

The diagram illustrates a segment of a double-stranded DNA molecule. The top strand is oriented 5' to 3' from left to right, with bases U, A, G, C, U, G, U, U, A, A, G, A. The bottom strand is oriented 3' to 5' from left to right, with bases A, C, T, G, A, C, A, A, U, U, C, C. Complementary base pairs are connected by vertical lines: U-A, A-T, G-C, C-G, U-A, G-C, U-A, U-A, A-U, A-U, G-C, and A-T.

[illegible]

Mature

Star

uuggacgcuaguaaacagac <u>uugaguuu</u> aucuguguuuu <u>aaugag</u> ua <u>aacucauu</u> aaacacagaua <u>aacucaagu</u> cuguuuuuugugcugcguugaaauggguaa <u>augcuau</u>			
.....uUuuuu <u>aaacacagaua</u> aacuc.....	11	1	R71
.....cauuuu <u>aaacacagaua</u> aacuca.....	1	0	R71
.....cauuuu <u>aaacacagaua</u> aacucaag.....	4	0	R71
.....auuuuu <u>aaacacagaua</u> aacuca.....	2	0	R71
.....auuuuu <u>aaacacagaua</u> aacucaC.....	1	1	R71
.....auuuuu <u>aaacacagaua</u> aacucaagu.....	9	0	R71
.....auuuG <u>aaacacagaua</u> aacucaagu.....	1	1	R71
.....auuuuu <u>aaacacagaua</u> aacucaaguA.....	2	1	R71
.....uuuu <u>aaacacagaua</u> aacucaagu.....	1	0	R71
.....uguugcugUguu <u>gaaaugug</u>	3	1	R71
.....uugaguuu <u>aucuguguuuu</u> aauga.....	4	0	H72
.....ugaguuu <u>aucuguguuuu</u> aaug.....	4	0	H72
.....ugaguuu <u>aucuguguuuu</u> aauga.....	2	0	H72
.....ugaguuu <u>aucuguguuuu</u> aaugag.....	1	0	H72
.....uugaguuu <u>aucuguguuuu</u> aaug.....	1	0	H52
.....uugaAuuu <u>aucuguguuuu</u> aauga.....	1	1	H52
.....uugaguuu <u>aucuguguuuu</u> aauga.....	7	0	H52
.....auuuuu <u>aaacacagaua</u> aacucaagu.....	3	0	H52
.....uugaguuu <u>aucuguguuuu</u> aauga.....	3	0	H32
.....ugaguuu <u>aucuguguuuu</u> aa.....	1	0	H32
.....ugaguuu <u>aucuguguuuu</u> aaugag.....	2	0	H32
.....ugaguuu <u>aucuguguuuu</u> aaugaga.....	1	0	H32
.....auuuuu <u>aaacacagaua</u> aacucaagu.....	1	0	H32
.....uugaguuu <u>aucuguguuuu</u> aa.....	2	0	H03
.....uugaguuu <u>aucuguguuuu</u> aaug.....	1	0	H03
.....uugaguuu <u>aucuguguuuu</u> aauga.....	30	0	H03
.....uugaguuu <u>aucuUuguuuu</u> aauga.....	1	1	H03
.....ugaguuu <u>aucuguguuuu</u> aa.....	2	0	H03
.....ugaguuu <u>aucugAguuuu</u> aaug.....	1	1	H03
.....ugaguuu <u>aucuguguuuu</u> aaug.....	15	0	H03
.....ugaguuu <u>aucuguguuuu</u> aauga.....	2	0	H03
.....ugaguuu <u>aucuguguuuu</u> aaugag.....	7	0	H03
.....cauuuu <u>aaacacagaua</u> aacuc.....	1	0	H03
.....cauuuu <u>aaacacagaua</u> aacucaag.....	1	0	H03
.....auuuuu <u>aaacacagaua</u> aacucaagu.....	7	0	H03
.....uuuu <u>aaacacagaua</u> aacucaagC.....	1	1	H03
.....uugaguuu <u>aucuguguuuu</u> aauga.....	7	0	H23
.....ugagGuu <u>aucuguguuuu</u> aaug.....	1	1	H23
.....ugaguuu <u>aucuguguuuu</u> aaug.....	1	0	H23
.....ugaguuu <u>aucuguguuuu</u> aaugag.....	1	0	H23
.....cauuuu <u>aaacacagaua</u> aacuca.....	1	0	H23
.....auuuuu <u>aaacacagaua</u> aacucaagu.....	2	0	H23
.....uugaguuu <u>aucuguguuuu</u> aaugaA.....	1	1	B03
.....uguugcugUguu <u>gaaaugug</u>	1	1	B03
.....uugaguuu <u>aucuguguuuu</u> aa.....	1	0	H12
.....uugaguuu <u>aucuguguuuu</u> aaug.....	1	0	H12
.....uugaguuu <u>aucuguguuuu</u> aauga.....	1	0	H12
.....ugaguuu <u>aucuguguuuu</u> aaug.....	1	0	H12
.....ugaguuu <u>aucuguguuuu</u> aaugag.....	4	0	H12
.....uUuuuu <u>aaacacagaua</u> aacuc.....	3	1	H12
.....uugaguuu <u>aucuguguuuu</u> aa.....	1	0	T72
.....uugaguuu <u>aucuguguuuu</u> aaug.....	2	0	T72
.....uugaguuu <u>aucuguguuuu</u> aauga.....	20	0	T72
.....uugaguuu <u>aucuguguuuu</u> aaugaA.....	2	1	T72
.....ugaguuu <u>aucuguguuuu</u> aaug.....	4	0	T72
.....ugaguuu <u>aucuguguuuu</u> aaGgag.....	1	1	T72
.....ugaguuu <u>aucuguguuuu</u> aaugag.....	1	0	T72
.....cauuuu <u>aaacacagaua</u> aacucaag.....	1	0	T72
.....auuuuu <u>aaacacagaua</u> aacucaag.....	1	0	T72
.....uuuu <u>aaacacagaua</u> aacucaag.....	1	0	T72
.....uguugcugUguu <u>gaaaugu</u>	3	1	T72
.....uguugcugUguu <u>gaaaugu</u>	1	1	T72

Mature

Star

uuggacgcuaaguaaacagacuugaguuaucuguguuuuaaugaguaacucauuuaaacacagauaaacucaagucuguuuuuugugcugcguugaaauggguaaugcuau

.....uugaguuau <u>cuguguuuu</u> aauga.....	9	0	H14
.....uugaguuau <u>cuguguuuu</u> aaugaA.....	1	1	H14
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	H14
.....uugaguuau <u>cuguguuuu</u> aaugag.....	3	0	H14
.....auuu <u>aaacacagau</u> aaacucaagu.....	1	0	H14
.....uguugcugUguuugaaaugug.....	1	1	H14
.....uugaguuau <u>cuguguuuu</u> aauga.....	22	0	R72
.....uugaguuau <u>cuguguuuu</u> aaUa.....	1	1	R72
.....uugaguuau <u>cuguguuuu</u> aaugaA.....	5	1	R72
.....uugaguuau <u>cuguguuuu</u> aaug.....	4	0	R72
.....uugaguuau <u>cuguguuuu</u> aaugag.....	4	0	R72
.....cauu <u>aaacacagau</u> aaacucaag.....	3	0	R72
.....auuu <u>aaacacagau</u> aaacucaagu.....	2	0	R72
.....uguugcugUguuugaaaugu.....	2	1	R72
.....uguugcugUguuugaaaugu.....	1	1	R72
.....uugaguuau <u>cuguguuuu</u> aaug.....	2	0	H74
.....uugaguuau <u>cuguguuuu</u> aauga.....	7	0	H74
.....uugaguuau <u>cuguguuuu</u> aaug.....	3	0	H74
.....uugaguuau <u>cuguguuuu</u> aauga.....	5	0	H74
.....uugaguuau <u>cuguguuuu</u> aaugag.....	1	0	H74
.....cuugaguuau <u>cuguguuuu</u> aa.....	1	0	H73
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	H73
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	H73
.....uugaguuau <u>cuguguuuu</u> aaug.....	3	0	H73
.....uugaguuau <u>cuguguuuu</u> aauga.....	1	1	H73
.....uugaguuau <u>cuguguuuu</u> aauga.....	14	0	H73
.....uugaguuau <u>cuguguuuu</u> aaug.....	6	0	H73
.....uugaguuau <u>cuguguuuu</u> aauga.....	1	0	H73
.....uugaguuau <u>cuguguuuu</u> aaugag.....	3	0	H73
.....cauu <u>aaacacagau</u> aaacu.....	1	0	H73
.....uugaguuau <u>cuguguuuu</u> aaug.....	1	0	H33
.....uugaguuau <u>cuguguuuu</u> aaugG.....	1	1	H33
.....uugaguuau <u>cuguguuuu</u> aauga.....	4	0	H33
.....uugaguuau <u>cuguguuuu</u> aaug.....	1	0	H33
.....auuu <u>aaacacagau</u> aaacucaag.....	1	0	H33
.....uugaguuau <u>cuguguuuu</u> aa.....	3	0	H53
.....uugaguuau <u>cuguguuuu</u> aaug.....	20	0	H53
.....uugaguuau <u>cuguguuuu</u> aauga.....	58	0	H53
.....uugaguuau <u>cuguguuuu</u> aaugaA.....	3	1	H53
.....uugaguuau <u>cuguguuuu</u> aaugaU.....	1	1	H53
.....uugaguuau <u>cuguguuuu</u> aaugaAa.....	1	1	H53
.....uugaguuau <u>cuguguuuu</u> aa.....	2	0	H53
.....Ggaguuau <u>cuguguuuu</u> aaug.....	1	1	H53
.....ugagAua <u>cuguguuuu</u> aaug.....	1	1	H53
.....uugaguuau <u>cuguguuuu</u> aaug.....	15	0	H53
.....uugaguuau <u>cuguguuuu</u> aauga.....	5	0	H53
.....uugaguuau <u>cuguguuuu</u> aaugaA.....	1	1	H53
.....uugaguuau <u>cuguguuuu</u> aaugag.....	12	0	H53
.....uUauuu <u>aaacacagau</u> aaacuc.....	1	1	H53
.....ucauu <u>aaacacagau</u> aaacuc.....	2	0	H53
.....cauu <u>aaacacagau</u> aaacucaag.....	1	0	H53
.....cauu <u>aaacacagau</u> aaacucaagu.....	2	0	H53
.....auuu <u>aaacacagau</u> aaacucaag.....	1	0	H53
.....auuu <u>aaacacagau</u> aaacucaagu.....	8	0	H53
.....aCua <u>aaacacagau</u> aaacucaagu.....	1	1	H53
.....uu <u>aaacacagau</u> aaacucaag.....	1	0	H53
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	R74
.....uugaguuau <u>cuguguuuu</u> aauga.....	4	0	R74
.....uugaguuau <u>cuguguuuu</u> aaug.....	1	0	R74
.....cauu <u>aaacacagau</u> aaacucaag.....	1	0	R74
.....uu <u>aaacacagau</u> aaacucaag.....	1	0	R74
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	B01

Mature

Star

uuggacgcuaaguaaacagacuugaguuaucuguguuuaaaugagaguaaaccauuaaacacagauaacucaagucuguuuuuuguugcgcguugaaauggguaaugcuau

.....uugaguuau <u>cu</u> guguuuauga.....	1	0	H01
.....ugaguuau <u>cu</u> guguuuaaug.....	1	0	H01
.....ugaguuau <u>cu</u> guguuuaaug.....	1	1	H01
.....ugaguuau <u>cu</u> guguuuaaugag.....	3	0	H01
.....cauuaaacacagauaacuca.....	1	0	H01
.....uugaguuau <u>cu</u> guguuuaCuga.....	1	1	H63
.....uugaguuau <u>cu</u> guguuuaauga.....	11	0	H63
.....uugaguuau <u>cu</u> guguuuaaugaA.....	1	1	H63
.....ugaguuau <u>cu</u> guguuuaaug.....	6	0	H63
.....ugaguuau <u>cu</u> guguuuaaugag.....	3	0	H63
.....auuaaacacagauaacucaagu.....	3	0	H63
.....uugaguuau <u>cu</u> guguuuaaug.....	2	0	H43
.....uugaguuau <u>cu</u> guguuuaauga.....	5	0	H43
.....uugaguuau <u>cu</u> Uuguuuaauga.....	1	1	H43
.....ugaguuau <u>cu</u> guguuuaaug.....	2	0	H43
.....uUauuaaacacagauaacuc.....	1	1	H43
.....auuaGacacagauaacucaagu.....	1	1	H43
.....uugaguuau <u>cu</u> guguuuaau.....	1	0	B04
.....uugaguuau <u>cu</u> guguuuaaug.....	1	0	B04
.....uugaguuau <u>cu</u> guguuuaauga.....	10	0	B04
.....ugaguuau <u>cu</u> guguuuaaug.....	9	0	B04
.....ugaguuau <u>cu</u> guguuuaaugag.....	4	0	B04
.....cauuaaacacagauaacuc.....	1	0	B04
.....auuaaacacagauaacucaagu.....	3	0	B04
.....uugaguuau <u>cu</u> guguuuaauga.....	1	0	H44
.....ugaguuau <u>cu</u> guguuuaaug.....	1	0	H44
.....ugaguuau <u>cu</u> guguuuaaugag.....	1	0	H44
.....auuaaacacagauaacucaagC.....	1	1	H44
.....uugaguuau <u>cu</u> guguuuaauga.....	2	0	E03
.....ugaguuau <u>cu</u> guguuuaaugag.....	1	0	E03
.....cauuaaacacagauaacucaag.....	1	0	E71
.....ugaguuau <u>cu</u> guguuuaaug.....	1	0	B02
.....uugaguuau <u>cu</u> guguuuaauga.....	1	0	H21
.....uugaguuau <u>cu</u> guguuuaaug.....	1	0	H02
.....uugaguuau <u>cu</u> guguuuaauga.....	3	0	H02
.....ugaguuau <u>cu</u> guguuuaaugag.....	3	0	H02
.....uuuaaacacagauaacucaag.....	1	0	H02
.....uguugcugUguugaaaugug.....	1	1	H02
.....uugaguuau <u>cu</u> guguuuaaug.....	1	0	E22
.....uugaguuau <u>cu</u> guguuuaauga.....	7	0	E22
.....ugaguuau <u>cu</u> guguuuaaug.....	2	0	E22
.....ugaguuau <u>cu</u> guguuuaauga.....	3	0	E22
.....ugaguuau <u>cu</u> guguuuaaugag.....	4	0	E22
.....cauuaaacacagauaacucaaa.....	1	0	E22
.....auuaaacacagauaacucaagu.....	3	0	E22
.....uugaguuau <u>cu</u> guguuuaau.....	1	0	E23
.....uugaguuau <u>cu</u> guguuuaaug.....	1	0	E23
.....uugaguuau <u>cu</u> guguuuaauga.....	3	0	E23
.....ugaguuau <u>cu</u> guguuuaa.....	3	0	E23
.....ugaguuau <u>cu</u> guguuuaaug.....	1	0	E23
.....ugaguuau <u>cu</u> guguuuaaugag.....	1	0	E23
.....ucauuaaacacagauUacuc.....	1	1	E23
.....auuaaacacagauaacucaagu.....	2	0	E23
.....uguugcugUguugaaaugug.....	2	1	E23
.....uugaguuau <u>cu</u> guguuuaauga.....	1	0	A61
.....ugaguuau <u>cu</u> guguuuaauga.....	1	0	A61
.....uugaguuau <u>cu</u> guguuuaauga.....	8	0	H61

Mature

Star

uuggacgcuaguaaacagac <u>uugaguuau</u> cuguguuuaa <u>augagau</u> ga <u>aacucauu</u> aaacacagaua <u>aacucaagu</u> cuguuuuuug <u>uugc</u> guugaaugugguaa <u>ugcuau</u>			
.....uagaguuau <u>cuguguu</u> aa <u>aug</u>	3	0	H61
.....uagaguuau <u>cuguguu</u> aa <u>augag</u>	1	0	H61
.....cauu <u>aaGc</u> acagaua <u>aacucaag</u>	1	1	H61
.....auuu <u>aaac</u> acagaua <u>aacucaagu</u>	1	0	H61
.....uugaguuau <u>cuguguu</u> aa <u>au</u>	1	0	H22
.....uugaguuau <u>cuguguu</u> aa <u>aug</u>	2	0	H22
.....uuAaguuau <u>cuguguu</u> aa <u>auga</u>	1	1	H22
.....uugaguuau <u>cuguguu</u> aa <u>auga</u>	8	0	H22
.....uagaguuau <u>cuguguu</u> aa <u>aug</u>	6	0	H22
.....uagaguuau <u>cuguguu</u> aa <u>auga</u>	1	0	H22
.....auuu <u>aaac</u> acagaua <u>aacucaagu</u>	2	0	H22
.....uugaguuau <u>cuguguu</u> aa <u>auga</u>	1	0	E21
.....auuu <u>aaac</u> acagaua <u>aacucaagu</u>	2	0	E21
.....uugaguuau <u>cuguguu</u> aa <u>au</u>	1	0	E11
.....uugaguuau <u>cuguguu</u> aa <u>auga</u>	5	0	E11
.....uagaguuau <u>cuguguu</u> aa <u>aug</u>	3	0	E11
.....uagaguuau <u>cuguguu</u> aa <u>augag</u>	1	0	E11
.....uUauuu <u>aaac</u> acagaua <u>aacuc</u>	1	1	E11
.....uugaguuau <u>cuguguu</u> aa <u>auga</u>	1	0	H64
.....uagaguuau <u>cuguguu</u> aa <u>aug</u>	1	0	H64
.....uagaguuau <u>cuguguu</u> aa <u>aug</u>	1	0	A52
.....uugaguuau <u>cuguguu</u> aa <u>aug</u>	1	0	A42
.....uugaguuau <u>cuguguu</u> aa <u>auga</u>	2	0	A42
.....uugaguuau <u>cuguguu</u> aa <u>augaAa</u>	1	1	A42
.....uagaguuau <u>cuguguu</u> aa <u>aug</u>	4	0	A42
.....uugaguuau <u>cuguguu</u> aa <u>aug</u>	1	0	H13
.....uuu <u>aaac</u> acagaua <u>aacucaagu</u>	1	0	H13
.....auuu <u>aaac</u> acagaua <u>aacucaagu</u>	1	0	A23
.....auuu <u>aaac</u> acagaua <u>aacucaagu</u>	1	0	A33
.....uugaguuau <u>cuguguu</u> A <u>aaug</u>	1	1	R73
.....uugaguuau <u>cuguguu</u> aa <u>aug</u>	7	0	R73
.....uugaguuau <u>cuguguu</u> aaC <u>uga</u>	1	1	R73
.....uugagCua <u>cuguguu</u> aa <u>auga</u>	1	1	R73
.....uugaguuau <u>cuguguu</u> aa <u>auga</u>	21	0	R73
.....uugaguuau <u>cuguguu</u> aa <u>augaC</u>	1	1	R73
.....uugaguuau <u>cuguguu</u> aa <u>augaA</u>	2	1	R73
.....uagaguuau <u>cuguguu</u> aa <u>au</u>	2	0	R73
.....uCa <u>guuau</u> cuguguu <u>aaug</u>	1	1	R73
.....uagaguuau <u>cuguguu</u> aa <u>aug</u>	41	0	R73
.....uagaguuau <u>cuguguu</u> aa <u>auga</u>	2	0	R73
.....uagaguuau <u>cuguguu</u> aa <u>augag</u>	6	0	R73
.....ucauu <u>aaac</u> acagaua <u>aacuc</u>	1	0	R73
.....auuu <u>aaac</u> acagaua <u>aacuc</u> aa.....	1	0	R73
.....auuu <u>aaac</u> acagaua <u>aacucaagu</u>	3	0	R73
.....uuu <u>aaac</u> acagaua <u>aacuc</u> aaC.....	1	1	R73
.....uuu <u>aaac</u> acagaua <u>aacucaag</u>	2	0	R73
.....uuu <u>aaac</u> acagaua <u>aacucaagu</u>	1	0	R73
.....uugu <u>ugcugU</u> guu <u>gaaaugu</u>	2	1	R73
.....ugu <u>ugcugU</u> guu <u>gaaaugug</u>	1	1	R73
.....uugaguuau <u>cuguguu</u> aa <u>auga</u>	2	0	A04
.....uugaguuau <u>cuguguu</u> aa <u>augaAa</u>	1	1	A04
.....cacagaua <u>aacucaagu</u> cug.....	1	0	A04
.....uugaguuau <u>cuguguu</u> aa <u>au</u>	1	0	H41
.....uugaguuau <u>cuguguu</u> aa <u>aug</u>	1	0	H41
.....uugaguuau <u>cuguguu</u> aa <u>auga</u>	23	0	H41
.....uugaguuau <u>cuguguu</u> aa <u>augaA</u>	2	1	H41
.....uagaguuau <u>cuguguu</u> aa.....	1	0	H41
.....uagaguuau <u>cuguguu</u> aa <u>aug</u>	13	0	H41

Mature

Star

uuggacgcuaaguaaacagac <u>uugaguuau</u> cuguguuuu <u>aaugaga</u> <u>guuaacucauu</u> aaacacagaua <u>aacucaagu</u> cuguuuuuugugcugcguugaaauggguaa <u>ugcuau</u>			
.....uagaguuau <u>cuguguuuu</u> aauga.....	1	0	H41
.....uagaguuau <u>cuguguuuu</u> aaugag.....	7	0	H41
.....auuaaacacagaua <u>aacucaagu</u>	4	0	H41
.....uugaguuau <u>cuguguuuu</u> aauga.....	2	0	E24
.....auuaaacacagaua <u>aacucaagu</u>	1	0	E24
.....uguugcugUguu <u>gaaaugug</u>	1	1	E24
.....uugaguuau <u>cuguguuuu</u> aaug.....	1	0	E14
.....uugaguuau <u>cuguguuuu</u> aauga.....	4	0	E14
.....uagaguuau <u>cuguguuuu</u> aaugag.....	2	0	E14
.....uugaguuau <u>cuguguuuu</u> aaau.....	1	0	T74
.....uugaguuau <u>cuguguuuu</u> aaauA.....	1	1	T74
.....uugaguuau <u>cuguguuuu</u> aaug.....	2	0	T74
.....uugaguuau <u>cugug</u> Auu <u>aauga</u>	1	1	T74
.....uugaguuau <u>cuguguuuu</u> aauga.....	12	0	T74
.....uugaguuau <u>cuguguuuu</u> aaugaA.....	1	1	T74
.....uugaguuau <u>cuguguuuu</u> aaugaAa.....	2	1	T74
.....uagaguuau <u>cuguguuuu</u> aaug.....	11	0	T74
.....uagaguuau <u>cuguguuuu</u> aaugag.....	2	0	T74
.....auuaaacacagaua <u>aacuc</u> aa.....	1	0	T74
.....auuaaacacagaua <u>aacucaagu</u>	18	0	T74
.....uuuaaacacagaua <u>aacucaag</u>	1	0	T74
.....uugaguuau <u>cuguguuuu</u> aa.....	2	0	T73
.....uugaguuau <u>cuguguuuu</u> aaau.....	3	0	T73
.....uugaguuau <u>cuguguuuu</u> aaug.....	1	0	T73
.....uugaguuau <u>cuguguuuu</u> aaauA.....	1	1	T73
.....uugaguuau <u>cuguguuuu</u> aauga.....	20	0	T73
.....uugaguuau <u>cuguguu</u> Caa <u>uga</u>	1	1	T73
.....uugaguuau <u>cuguguuuu</u> aaugaA.....	3	1	T73
.....uagaguuau <u>cuguguuuu</u> aa.....	1	0	T73
.....uagaguuau <u>cuguguuuu</u> aaug.....	15	0	T73
.....uagaguuau <u>cuguguuuu</u> aaugag.....	5	0	T73
.....auuaaacacagaua <u>aacucaagu</u>	2	0	T73
.....uuuaaacacagaua <u>aacucaag</u>	2	0	T73
.....uuuaaacacagaua <u>aacucaagu</u>	1	0	T73
.....uguugcugUguu <u>gaaaugu</u>	1	1	T73
.....uugaguuau <u>cuguguuuu</u> aa.....	2	0	E04
.....uugaguuau <u>cuguguuuu</u> aaau.....	1	0	E04
.....uugaguuau <u>cuguguuuu</u> aaug.....	2	0	E04
.....uugaguuau <u>cuguguu</u> Aa <u>uga</u>	1	1	E04
.....uugaguuau <u>cuguguuuu</u> aauga.....	46	0	E04
.....uugaAuau <u>cuguguuuu</u> aauga.....	1	1	E04
.....uugaguuau <u>cuguguuuu</u> aaugaA.....	2	1	E04
.....uagaguuau <u>cuguguuuu</u> aa.....	2	0	E04
.....ugagAuau <u>cuguguuuu</u> aaug.....	1	1	E04
.....uagaguuau <u>cuguguuuu</u> aaug.....	12	0	E04
.....uagaguuau <u>cuguguuuu</u> aauga.....	1	0	E04
.....uagaguuau <u>cuguguuuu</u> aaugaA.....	1	1	E04
.....uagaguuau <u>cuguguuuu</u> aaugag.....	23	0	E04
.....cauuuaaacacagaua <u>aacuc</u>	1	0	E04
.....cauuuaaacacagaua <u>aacucaag</u>	5	0	E04
.....auuaaacacagaua <u>aacucaag</u>	1	0	E04
.....auuaaacacagaua <u>aacucaagu</u>	2	0	E04
.....uugaguuau <u>cuguguuuu</u> aaau.....	2	0	A32
.....uugaguuau <u>cuguguuuu</u> aauga.....	3	0	A32
.....uagaguuau <u>cuguguuuu</u> aaug.....	2	0	A32
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	H04
.....uugaguuau <u>cuguguuuu</u> aaug.....	3	0	H04
.....uugaguuau <u>cuguguuuu</u> aaugG.....	1	1	H04
.....uugaguuau <u>cuguguuuu</u> aauga.....	35	0	H04
.....uugaguuau <u>cuguguuuu</u> aaugaA.....	1	1	H04
.....uagaguuau <u>cuguguuuu</u> aa.....	2	0	H04
.....uagaguuau <u>cuguguuuu</u> aaug.....	14	0	H04
.....uagaguuau <u>cuguguuuu</u> aauga.....	4	0	H04

Mature

Star

uuggacgcuaguaaacagac <u>uugaguuau</u> cuguguuuu <u>aaugaga</u> gu <u>aaacucauu</u> aaacacagauaacucaagucuguuuuuugugcgcguugaaauggguaaugcuau			
.....uaguuauucuguguuuu <u>aaugag</u>	10	0	H04
.....uaguuauucuguguuuu <u>aaugaga</u>	1	0	H04
.....u <u>U</u> uuuu <u>aaacacagauaacuc</u>	4	1	H04
.....cauu <u>aaacacagauaacucaag</u>	4	0	H04
.....auuu <u>aaacacagauaacuca</u>	2	0	H04
.....auuu <u>aaacacagauaacucaag</u>	1	0	H04
.....auuu <u>aaacacagauaacucaagu</u>	2	0	H04
.....uuuu <u>aaacacagauaacucaag</u>	1	0	H04
.....uu <u>aaacacagauaacucaagu</u>	1	0	H04
.....uuguuauucuguguuuu <u>aauga</u>	1	0	A41
.....uaguuauucuguguuuu <u>aaugag</u>	1	0	A41
.....cauu <u>aaacacagauaaAuca</u>	1	1	A41
.....uuguuauucuguguuuu <u>aauga</u>	2	0	E12
.....uaguuauucuguguuuu <u>aaau</u>	1	0	E12
.....uaguuauucuguguuuu <u>aaug</u>	2	0	E12
.....uaguuauucuguguuuu <u>aaugag</u>	1	0	E12
.....cauu <u>aaacacagauaacuca</u>	1	0	E12
.....auuu <u>aaacacagauaacucaagu</u>	1	0	E12
.....uuuu <u>aaacacagauaacucaag</u>	1	0	E12
.....uuguuauucuguguuuu <u>aa</u>	2	0	H42
.....uuguuauucuguguuuu <u>aaau</u>	1	0	H42
.....uuguuauucuguguuuu <u>aaug</u>	7	0	H42
.....uuguuauucuguguuuu <u>aauga</u>	40	0	H42
.....uuguuauucuguguuuu <u>aaugG</u>	2	1	H42
.....uuguuauucuguguuuu <u>aaugaA</u>	1	1	H42
.....uaguuauucuguguuuu <u>aa</u>	3	0	H42
.....uaguuauucuguguuuu <u>aaug</u>	9	0	H42
.....uaguuauucuguguuuu <u>aauga</u>	1	0	H42
.....u <u>U</u> aguuauucuguguuuu <u>aauga</u>	1	1	H42
.....uaguuauucuguguuuu <u>aaugag</u>	7	0	H42
.....ucauu <u>aaacacagauaacuc</u>	1	0	H42
.....cauu <u>aaacacagauaacuca</u>	1	0	H42
.....cauu <u>aaacacagauaacucaag</u>	2	0	H42
.....auuu <u>aaacacagauaacucaagu</u>	5	0	H42
.....uuuu <u>aaacacagauaacucaag</u>	2	0	H42
.....uuguuauucuguguuuu <u>aauga</u>	3	0	H11
.....uaguuauucuguguuuu <u>aaug</u>	3	0	H11
.....uaguuauucuguguuu <u>Cauga</u>	1	1	H11
.....uaguuauucuguguuuu <u>aaugag</u>	1	0	H11
.....auuu <u>aaacacagauaacucaagC</u>	1	1	H11
.....uuguuauucuguguuuu <u>aaau</u>	1	0	A53
.....uuguuauucuguguuuu <u>aaug</u>	1	0	A53
.....uuguuauucuguguuuu <u>aauga</u>	3	0	A53
.....uaguuauucuguguuuu <u>aaug</u>	9	0	A53
.....uaguuauucuguguuuu <u>aauga</u>	1	0	A53
.....uuguuauucuguguuuu <u>aaau</u>	3	0	H62
.....uuguuauucuguguuuu <u>aaug</u>	7	0	H62
.....uuguuauucuguguuuu <u>aauga</u>	40	0	H62
.....uuguuauucuguguuuu <u>aaugaA</u>	3	1	H62
.....uaguuauucuguguuuu <u>aa</u>	3	0	H62
.....uaguuauucuguguuuu <u>aaug</u>	8	0	H62
.....uaguuauucuguguuuu <u>aauga</u>	4	0	H62
.....uaguuauucuguguuuu <u>aaugag</u>	11	0	H62
.....uaguuauucuguguuuu <u>aaugaga</u>	1	0	H62
.....u <u>U</u> uuuu <u>aaacacagauaacuc</u>	3	1	H62
.....auuu <u>aaacacagauaacuca</u>	2	0	H62
.....auuu <u>aaacacagauaacucUagu</u>	1	1	H62
.....auuu <u>aaacacagauaacucaagu</u>	8	0	H62
.....uaguuauucuguguuuu <u>aaugaC</u>	1	1	A64
.....uuguuauucuguguuuu <u>aaau</u>	1	0	H71
.....uuguuauucuguguuuu <u>aaug</u>	4	0	H71
.....uuguuauucuguguuuu <u>aauga</u>	30	0	H71

Mature

Star

uuggacgcuaaguaaacagac <u>uugaguuau</u> cuguguuuu <u>aaugag</u> au <u>gaugua</u> aacuc <u>auuu</u> aaacacagaua <u>aacuca</u> agucuguuuuuuugugcugcguugaaaugugguaa <u>ugcuau</u>			
.....uugaguuau <u>cuguguuuu</u> aauga <u>Aa</u>	1	1	H71
.....ugaguuau <u>cuguguuuu</u> aaug.....	4	0	H71
.....ugaguuau <u>cuguguuuu</u> aauga.....	2	0	H71
.....ugaguuau <u>cuguguuuu</u> aaugag.....	6	0	H71
.....uUuuuu <u>aaacacagaua</u> aacuc.....	1	1	H71
.....uugaguuau <u>cuguguuuu</u> aaug.....	1	0	H34
.....uugaguuau <u>cuguguuuu</u> aauga.....	1	0	H34
.....ugaguuau <u>cuguguuuu</u> aaug.....	2	0	H34
.....auuu <u>aaacacagaua</u> aacucaagu.....	1	0	H34
.....uuuu <u>aaacacagaua</u> aacucaag.....	1	0	H34
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	T71
.....uugaguuau <u>cuguguuuu</u> aaug.....	2	0	T71
.....Cugaguuau <u>cuguguuuu</u> aauga.....	1	1	T71
.....uugaguuau <u>cuguguuuu</u> aauga.....	21	0	T71
.....uugaguuau <u>cuguguuuu</u> aauga <u>A</u>	2	1	T71
.....uugaguuau <u>cuguguuuu</u> aauga <u>Aa</u>	2	1	T71
.....ugaguuau <u>cuguguuuu</u> aa.....	2	0	T71
.....ugaguuau <u>cuguguuuu</u> aaug.....	5	0	T71
.....ugaguuau <u>cuguguuuu</u> aaugag.....	3	0	T71
.....uUuuuu <u>aaacacagaua</u> aacuc.....	1	1	T71
.....Uuuuu <u>aaacacagaua</u> aacuc.....	1	1	T71
.....auuG <u>aaacacagaua</u> aacucaagu.....	1	1	T71
.....auuu <u>aaacacagaua</u> aacucaagu.....	1	0	T71
.....uguu <u>cugUguu</u> gaaaugug.....	1	1	T71
.....uugaguuau <u>cuguguuuu</u> aauga.....	1	0	A11
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	A01
.....Agaguuau <u>cuguguuuu</u> aaug.....	1	1	E13
.....ugaguuau <u>cuguguuuu</u> aaug.....	2	0	E13
.....ugaguuau <u>cuguguuuu</u> aauga.....	1	0	E13
.....ugaguuau <u>cuguguuuu</u> aaugag.....	3	0	E13
.....uugaguuau <u>cuguguuuu</u> aauga.....	3	0	B11
.....ugaguuau <u>cuguguuuu</u> aaug.....	1	0	B11
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	E01
.....uugaguuau <u>cuguguuuu</u> aauga.....	2	0	E01
.....ugaguuau <u>cugUguu</u> uuuauug.....	1	1	E01
.....ugaguuau <u>cuguguuuu</u> aauga.....	1	0	E01
.....ugaguuau <u>cuguguuuu</u> aaugag.....	1	0	E01
.....uugaguuau <u>cuguguuuu</u> aaug.....	1	0	A62
.....uugaguuau <u>cuguguuuu</u> aauga.....	2	0	A62
.....ugaguuau <u>cuguguuuu</u> aaug.....	4	0	A62
.....ugaguuau <u>cuguguuuu</u> aaugag.....	1	0	A62
.....auuu <u>aaacacagaua</u> aacuc.....	1	0	A62
.....auuu <u>aaacacagaua</u> aacucaagu.....	2	0	A62
.....uuuu <u>aaacacagaua</u> aacucaagu.....	1	0	A62
.....uugaguuau <u>cuguguuuu</u> aauga.....	2	0	E74
.....ugaguuau <u>cuguguuuu</u> aaug.....	1	0	A13
.....ugaguuau <u>cuguguuuu</u> aaugag.....	1	0	A13
.....uugaguuau <u>cuguguuuu</u> aaug.....	3	0	E72
.....uugaguuau <u>cuguguuuu</u> aauga.....	5	0	E72
.....uugaguuau <u>cuguguuuu</u> aauga <u>Aa</u>	2	1	E72
.....ugaguuau <u>cuguguuuu</u> aaugag.....	3	0	E72
.....auuu <u>aaacacagaua</u> aacucaagu.....	2	0	E72
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	E73
.....uugaguuau <u>cuguguuuu</u> aa.....	1	0	E73
.....uugaguuau <u>cuguguuuu</u> aaug.....	3	0	E73
.....uugaguuau <u>cuguguuuu</u> aauga.....	1	0	E73
.....uugaguuau <u>cuguguuuu</u> aauga <u>A</u>	1	1	E73
.....ugaguuau <u>cugUguu</u> uuuauug.....	1	1	E73

Mature

Star

uuggacgcuaaguaaacagac <u>uugaguuu</u> aucuguguuuaa <u>augaga</u> gu <u>uaacuca</u> uuuaaacacagauaacucaagucuguuuuuuuguugcugcguugaaaugugguaaugcuau			
.....ugaguuuau <u>cuguguuuaa</u> aug.....	7	0	E73
.....ugaguuuau <u>cuguguuuaa</u> uga.....	3	0	E73
.....ugaguuuau <u>cuguguuuaa</u> augag.....	2	0	E73
.....uuuaaacacagauaacucaag.....	1	0	E73
.....uguugcugUguugaaaugug.....	1	1	E73
.....uugaguuuau <u>cuguguuuaa</u> uga.....	3	0	E02
.....ugaguuuau <u>cuguguuuaa</u> aug.....	3	0	E02
.....cauuuaaacacagauaacucaag.....	1	0	B12
.....uugaguuuau <u>cuguguuuaa</u> uga.....	5	0	A51
.....ugaguuuau <u>cuguguuuaa</u> aug.....	5	0	A51
.....aguuuau <u>cuguguuuaa</u> aug.....	1	0	A51
.....uUuuuaaacacagauaacuc.....	1	1	A51
.....cauuuaaacacagauaacuca.....	1	0	A51