

The diagram illustrates the 12S ribosome subunit, which is composed of two ribosomal RNA (rRNA) molecules: 16S rRNA (red) and 23S rRNA (yellow). The 16S rRNA molecule is on the left, and the 23S rRNA molecule is on the right. The 5' and 3' ends of the rRNA molecules are indicated. The 16S rRNA molecule has a 5' end labeled '5'' and a 3' end labeled '3''. The 23S rRNA molecule has a 5' end labeled '5'' and a 3' end labeled '3''. The rRNA molecules are shown in a folded, circular arrangement, with various nucleotides labeled with their base letters (A, U, G, C) and sugar letters (A, U, G, C). The 16S rRNA molecule is connected to the 23S rRNA molecule by a long, thin line representing the 23S rRNA molecule. The 16S rRNA molecule is connected to the 23S rRNA molecule by a long, thin line representing the 23S rRNA molecule.

[illegible]

Star

Mature

acacggaccgcucgagcggucggcgguugacugcucgagcagucggguuggugacugcucgagcugucucuaaccaaccgcucgagcaguuagaauuuuacccgagucuaagucau			
.....ugcucgagcugucucuaaccaa.....	4	0	E73
.....ugcucgagcugucucuaaccaaA.....	1	1	E73
.....ugcucgagcugucucuaaccaac.....	4	0	E73
.....ugcucgagcugucucuaaccaacA.....	1	1	E73
.....ugcucgagcugucucuaaccaac.....	1	0	B12
.cacggaccgcucgagcggucgucgagcugucucuaac.....	1	0	E02
.....cugcucgagcugucucuaac.....	2	0	E02
.....cugcucgagcugucucuaacc.....	1	0	E02
.....cugcucgagcugucucuaacca.....	24	0	E02
.....cugcucgagcugucucuaaccaa.....	29	0	E02
.....ugcucgagcugucucuaacca.....	4	0	E02
.....ugcucgagcugucucuCcca.....	1	1	E02
.....ugcucgagcugucucuaaccaa.....	13	0	E02
.....ugcucgagcugucucuaaccGa.....	4	1	E02
.....ugcucgagcugucucuaaccGac.....	9	1	E02
.....ugcucgagcugucucuaacUaac.....	1	1	E02
.....ugcucgagcugucucuaaccaaU.....	3	1	E02
.....ugcucgagcugucucuaaccaac.....	35	0	E02
.....ugcucgagcugucucuaaccaaA.....	7	1	E02
.....ugcucgagcugucucuaaccaacU.....	2	1	E02
.....ugcucgagcugucucuaaccaGccgcu.....	1	1	E02
.....cucgagcugucucuaaccaac.....	1	0	E02
.....cucgagcugucucuaaccGac.....	1	1	E02
.....cucgagcugucucuaGcaacc.....	1	1	E02
.....cucgagcugucucuaaccGaccgc.....	1	1	E02
.....cucgagcugucucuaaccaaccgc.....	3	0	E02
.....ucgagcugucucuaaccaaccgc.....	1	0	E02
.....ucgagcaguuagaauuuuacccgaguu.....	1	1	E02
.....ugcucgagcugucucuaaccaa.....	3	0	A51
.....ugcucgagcugucucuaaccaac.....	1	0	A51
.....cugcucgagcugucucuaacc.....	1	0	B14
.....cugcucgagcugucucuaaccaa.....	4	0	B14
.....ugcucgagcugucucuaacca.....	1	0	B14
.....ugcucgagcugucucuaaccaa.....	1	0	B14
.....ugcucgagcugucucuaaccaac.....	4	0	B14
.....cggcgguugacugcucgagcaguu.....	2	0	H71
.....cugcucgagcugucucuaac.....	7	0	H71
.....cugcucgagcugucucuaacc.....	12	0	H71
.....cCgcucgagcugucucuaacca.....	1	1	H71
.....cugcucgagcugucucuaacca.....	1	1	H71
.....cugcucgagcCgucucuaacca.....	1	1	H71
.....cugcucgagcuguuAucuaacca.....	1	1	H71
.....cuUcucgagcugucucuaacca.....	1	1	H71
.....cugcucgagcugucucuaacca.....	27	0	H71
.....cugcucgagcugucucuaaccaa.....	21	0	H71
.....cugcucgagcugucucuaaccaC.....	1	1	H71
.....cugcucgagcugucucuaGcaa.....	1	1	H71
.....cugcucgagcugucucuaaccaaA.....	1	1	H71
.....ugcucgagcugucucuaacc.....	1	0	H71
.....ugcucgagcugucucuaacca.....	11	0	H71
.....ugcucgagcugucucuaaccG.....	1	1	H71
.....ugcucgagcugucucuaaccaa.....	5	0	H71
.....ugcucAagcugucucuaaccaa.....	1	1	H71
.....ugcucgagcugucucuaaccGa.....	1	1	H71
.....ugcucgagcugucucuaacUaac.....	2	1	H71
.....ugcucgagcugucucuaaccGac.....	2	1	H71
.....ugcucAagcugucucuaaccaac.....	1	1	H71
.....ugcucgagcugucucuaaccaaA.....	1	1	H71
.....ugcucgagcugucucuaaccaac.....	39	0	H71
.....ugcucgagcugucucuaaccaacA.....	3	1	H71
.....ugcucgagcugucucuaaccaacU.....	2	1	H71
.....cugcucgagcugucucuaaccaa.....	2	0	A64
.....ugcucgagcugucucuaaccaac.....	1	0	A64
.....cggcgguugacugcucgagcaguu.....	1	0	H34

Star

Mature

acacggaccgcucgagcggucggcguugacugcucgagcagucggguugguagacugcucgagcugucucuaaccaaccgcucgagcaguuagaauuucuaaccgcagucuaagucau			
.....cugcucgagcugucucuaac.....	1	0	H34
.....cugcucgagcugucucuaacc.....	9	0	H34
.....cugcucgagcugucucuaacca.....	29	0	H34
.....cugcucgagcugucucuaaccaa.....	1	0	H34
.....cugcucgagcugucucuaaccaaλ.....	1	1	H34
.....cugcucgagcugucucuaaccaaU.....	1	1	H34
.....ugcucgagcugucucuaacc.....	1	0	H34
.....ugUucgagcugucucuaacca.....	1	1	H34
.....ugcucgagcugucucuaUca.....	1	1	H34
.....ugcucgagcugucucuaacca.....	7	0	H34
.....ugcucgagcugucucuaaccaa.....	6	0	H34
.....ugcucgagcugucucuaaccGac.....	5	1	H34
.....ugcucgagcugucucuaaccaac.....	14	0	H34
.....ugcucgagcugucucuaaccaacG.....	1	1	H34
.....ugcucgagcugucucuaaccaacU.....	2	1	H34
.....ugcucgagcugucucuaaccaacA.....	1	1	H34
.....ucggcguugacugcucgagcagu.....	1	0	T71
.....acugcucgagcugucucuaacca.....	1	0	T71
.....cugcucgagcugucucuaacca.....	1	0	T71
.....cugcucgagcugucucuaaccaa.....	2	0	T71
.....ugcucgagcugucucuaaccaa.....	3	0	T71
.....uλcucgagcugucucuaaccaac.....	1	1	T71
.....ugcucgagcugucucuaaccGac.....	1	1	T71
.....ugcucgagcugucucuaaccaac.....	9	0	T71
.....ugcucgagcugucucuaaccaλ.....	2	1	T71
.....ugcucgagcugucucuaaccaacU.....	1	1	T71
.....cugcucgagcugucucua.....	1	0	A02
.....cugcucgagcugucucuaac.....	1	0	A02
.....cugcucgagcugucucuaacc.....	1	0	A02
.....cugcucgagcugucucuaacca.....	1	0	A02
.....cugcucgagcugucucuaaccaa.....	2	0	A02
.....ugcucgagcugucucuaacca.....	1	0	A02
.....ugcucgagcugucucuaaccaa.....	1	0	A02
.....ugcucgagcugucucuaUccaa.....	1	1	A02
.....ugcucgagcugucucuaaccaac.....	2	0	A02
.....ucggcguugacugcucgagc.....	1	0	A44
.....cugcucgagcugucucuaacca.....	1	0	A44
.....ugcucgagcugucucuaaccaa.....	3	0	A44
.....ugcucgagcugucucuaaccGac.....	2	1	A44
.....cgagcugucuaaccaaaccgc.....	1	1	A44
.....accgcucgagcggucggcgu.....	1	0	A01
.....ugcucgagcugucucuaacca.....	2	0	A01
.....ugcucgagcugucucuaaccaa.....	4	0	A01
.....ugcucgagcugucucuaaccGa.....	1	1	A01
.....ugcucgagcugucucuaaccaac.....	3	0	A01
.....ugcucgagcugucucuaaccaacU.....	1	1	A01
.....aguugaauuucuaaccgcagu.....	1	0	A01
.....cugcucgagcugucucuaacc.....	1	0	A11
.....cugcucgagcugucucuaacca.....	1	0	A11
.....cugcucgagcugucucuaaccaa.....	1	0	A11
.....ugcucgagcugucucuaacca.....	1	0	A11
.....ugcucgagcugucucuaaccaa.....	1	0	A11
.....ugcucgagcugucucuaaccaac.....	2	0	A11
.....ugcucgagcugucucuaaccaCc.....	1	1	A11
.....cugcucgagcugucucuaaccaa.....	1	0	B11
.....ugcucgagcugucucuaacca.....	2	0	B11
.....ugcucgagcugucucuaaccaac.....	3	0	B11
.....ugcucgagcugucucuaaccaaU.....	1	1	B11
.....ucgagcugucucuaaccaacc.....	1	0	B11
.....cAagcaguugaauuucuaacc.....	2	1	B11
.....gagcggucggλguugacugc.....	1	1	E01
.....cugcucgagcugucucuaac.....	2	0	E01
.....cugcucgagcugucucuaacca.....	5	0	E01

Star

Mature

acacggaccgcugcagcggucggcguugacugcucgagcagucggguuggugacugcucgagcugucucuaccaaaccgcugcagcaguuugaauuucuaaccgcagucuaagucau			
.....cugcucgagcugucucuaccaa.....	5	0	E01
.....cugcucgagcugucucuaccaaA.....	1	1	E01
.....ugcucgagcugucucuaccaa.....	6	0	E01
.....ugcucgagcugucucuaccaa.....	2	0	E01
.....ugcucgagcugucucuaccaaA.....	1	1	E01
.....ugcucgagcugucucuaccaaC.....	8	0	E01
.....ugcucgagcugucucuaccaaU.....	1	1	E01
.....ugcucgagcugucucuacccGacc.....	1	1	E01
.....ugcucgagcugucucuaccaaCU.....	1	1	E01
.....cugcucgagcugucucuaccaa.....	2	0	E13
.....cugcucgagcugucucuaccaa.....	1	0	E13
.....ugcucgagcugucucuaccaa.....	1	0	E13
.....ugcucgagcugucucuaccaaA.....	2	1	E13
.....ugcucgagcugucucuaccaaC.....	5	0	E13
.....ugcucgagcugucucuaccaaCU.....	1	1	E13
.....cucgagcugucucuaccaaaccgc.....	1	0	E13
.....cucgagcAgucucuaccaaaccgc.....	1	1	E13
.....cacggaccgcugcagcgggu.....	1	0	H04
.....ucggcguugacugcucgagcaguc.....	2	0	H04
.....cggcguugacugcucgagcaguc.....	1	0	H04
.....gcguugacugcucgagcaguc.....	1	0	H04
.....acugcucgagcugucucuacc.....	1	0	H04
.....cugcucgagcugucucuacc.....	1	0	H04
.....cugcucgagcugucucuacc.....	4	0	H04
.....cugcucgagcugucucuaccC.....	1	1	H04
.....cugcucgagcugucucuaccaa.....	27	0	H04
.....cugcucgagcugucucuAuaacca.....	1	1	H04
.....cugcAagagcugucucuaccaa.....	1	1	H04
.....cugcucgagcugucucuaccaa.....	19	0	H04
.....cugcucgagcugucucuaccaaC.....	1	1	H04
.....cugcucgagcugucucuAuaaccaa.....	2	1	H04
.....cugcucgagcugucucuaccaaA.....	1	1	H04
.....ugcucgagcugucucuaccaa.....	9	0	H04
.....ugcucgagcugucucuaccaa.....	15	0	H04
.....ugcucgagcugucucuaccaaU.....	2	1	H04
.....ugcucgagcugucucuacccGac.....	2	1	H04
.....ugcucgagcugucucuGuaccaaC.....	1	1	H04
.....ugcucgagcugucucuaccaaC.....	30	0	H04
.....ugcucgagcugucucuaccaaacc.....	3	0	H04
.....ugcucgagcugucucuaccaaCU.....	4	1	H04
.....cucgagcugucucuaccaaaccgc.....	2	0	H04
.....ucgagcugucucuaccaaaccgc.....	1	0	H04
.....cgagcugucucuaccaaaccgcU.....	1	1	H04
.....cgagcugucucuaccaaaccgcU.....	1	0	H04
.....accgcucgagcaguuugaauuucuaaccg.....	1	0	H04
.....auuucuaaccgcagucUGguc.....	1	1	H04
.....cugcucgagcugucucuaccaa.....	1	0	A41
.....cugcucgagcugucucuacc.....	4	0	H11
.....cugcucgagcugucucuAac.....	1	1	H11
.....cugcucgagcugucucuacc.....	7	0	H11
.....cugcucgagcugucucuaccaa.....	33	0	H11
.....cugcucgagcugucucuaccaa.....	21	0	H11
.....cugcucgagcugucucuGaccaa.....	1	1	H11
.....cugcucgagcugucucuaccaaA.....	1	1	H11
.....ugcucgagcugucucuaccG.....	1	1	H11
.....ugcucgagcugucucuaccaa.....	15	0	H11
.....ugcucgagcugucucuaccaa.....	14	0	H11
.....ugAucgagcugucucuaccaaC.....	1	1	H11
.....ugcucgagcugucucuaccaaGc.....	1	1	H11
.....ugcucgagcugucucuaccGac.....	1	1	H11
.....ugcucgagcugucucuaccaaA.....	4	1	H11
.....ugcucgagcugucucuaccaaU.....	3	1	H11
.....ugcucgagcugucucuaccaaC.....	44	0	H11
.....ugcucgagcugucucuaccaaCA.....	1	1	H11
.....ugcucgagcugucucuaccaaCU.....	9	1	H11
.....ucggcguugacugcuAagcaguc.....	1	1	H42

Star

Mature

acacggaccgcucgagcggucggcguugacugcucgagcagucggguuggugacugcucgagcugucucuaaccaaccgcucgagcagugaaauuucuaaccgcagucuaagucau			
.....cugcucgagcugucucuaac.....	2	0	H42
.....cugcucgagcugucuaAuacc.....	1	1	H42
.....cugcucgagcugucucuaacc.....	7	0	H42
.....cugcucgagcugucucuaacca.....	30	0	H42
.....cugcucgagcugucucuaaccU.....	1	1	H42
.....cugcucgagcugucuaAuacca.....	4	1	H42
.....cugcucgagcugucucuaaccaa.....	3	0	H42
.....cugcucgagcugucuaAuaccaa.....	1	1	H42
.....cugcucgagcugucucuaaccaaA.....	2	1	H42
.....ugcucgagcugucucuaaccG.....	2	1	H42
.....ugcucgagcugucucuaacca.....	16	0	H42
.....ugcucgagcugucucuaaccaa.....	9	0	H42
.....ugcucgagcugucucuaaccGa.....	3	1	H42
.....ugcucgagcugucucuaaccaaA.....	1	1	H42
.....ugcucgagcugucucuaaccaa.....	9	0	H42
.....ugcucgagcugucucuaaccaaA.....	4	1	H42
.....ugcucgagcugucucuaaccaaU.....	4	1	H42
.....gcucgagcugucucuaacca.....	1	0	H42
.....uAuaccaaccgcucgagcag.....	1	1	H42
...cggaAcgcucgagcggucg.....	1	1	E12
.....acugcucgagcugucucuaacca.....	1	0	E12
.....cugcucgagcugucucua.....	1	0	E12
.....cugcucgagcugucucuaac.....	1	0	E12
.....cugcucgagcugucucuaacc.....	2	0	E12
.....cugcGcgagcugucucuaacc.....	1	1	E12
.....cugcucgagcugucucuaacca.....	17	0	E12
.....cugcucgagcugucucuaaccaa.....	9	0	E12
.....cugcucgagcugucucuaaccaaA.....	1	1	E12
.....ugcucgagcugucucuaacca.....	6	0	E12
.....ugcucgagcugucucuaaccG.....	1	1	E12
.....ugcucgagcugucucuaaccaa.....	18	0	E12
.....ugcucgagcugucucuaaccaaA.....	2	1	E12
.....ugcucgagcugucucAaccaac.....	1	1	E12
.....ugcucgagcugucucuaaccaac.....	37	0	E12
.....ugcuAgagcugucucuaaccaac.....	1	1	E12
.....ugcucgagcugucucuaaccaacU.....	3	1	E12
.....ugcucgagcugucucuaaccaacA.....	2	1	E12
.....ugcucgagcugucucuaaccaacc.....	4	0	E12
.....ucgagcugucucuaaccaaccgcu.....	1	0	E12
.....cucuaaccaaccgcucgagcagu.....	1	0	E12
.....Uaaccgcucgagcagugaaauuucuaacc.....	1	1	E12
.....acugcucgagcugucucuaacca.....	1	0	H62
.....cugcucgagcugucucuaacc.....	2	0	H62
.....cugcucgagcugucucGcca.....	1	1	H62
.....cugcucgagcugucucuaacca.....	17	0	H62
.....cugcucgagcugucucuaaccaa.....	20	0	H62
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.....ugcucgagcugucucuaacca.....	1	0	H62
.....ugcucgagcugucucuaaccaa.....	9	0	H62
.....ugcucgagcugucucuaaccaaU.....	1	1	H62
.....ugcucgagcugucucuaaccGac.....	1	1	H62
.....ugcuGgagcugucucuaaccaac.....	1	1	H62
.....ugcucgagcugucucuaaccaGc.....	1	1	H62
.....ugcucgagcugucucuaaccaaA.....	3	1	H62
.....ugcucgagcugucucuaaccaac.....	36	0	H62
.....ugcucgagcugucucuaaccaacc.....	1	0	H62
.....cucgagcAGucucuaaccaaccgc.....	1	1	H62
.....ucgagcugucucuaaccaaccgc.....	2	0	H62
.....cugcucgagcugucucuaac.....	1	0	A53
.....ugcucgagcugucucuaacca.....	1	0	A53
.....ugcucgagcugucucuaaccGa.....	2	1	A53
.....ugcucgagcugucucuaaccaaU.....	1	1	A53
.....cugcucgagcugucucuaacc.....	1	0	A33
.....cugcucgagcugucucuaacca.....	1	0	A33
.....ugcucgagcugucucuaacca.....	2	0	A33

Star

Mature

acacggaccgcucgagcggucggcguugacugcucgagcagucggguuggugacugcucgagcugucucuaaccaaccgcucgagcaguuugaauuucuaaccgcagucuaagucau			
.....ucgagcugucucuaaccaaccgcu.....	1	0	A33
.....cugucucuaaccaaccgcucga.....	1	0	A33
.....cugcucgagcugucucuaacca.....	1	0	R73
.....ugcucgagcugucucuaacca.....	2	0	R73
.....ugcucgagcugucucuaaccaac.....	4	0	R73
.....uacUaaccgcucgagcaguuugaauuuc.....	2	1	R73
.....Uaaccgcucgagcaguuugaauuucuaacc.....	1	1	R73
.....cugcucgagcugucucuaacca.....	1	0	A21
.....cugcucgagcugucucuaaccaa.....	1	0	A21
.....ugcucgagcugucucuaacca.....	1	0	A21
.....ugcucgagcugucucuaaccaa.....	1	0	A21
.....ugcucgagcugucucuaaccaac.....	2	0	A21
.....cucgagcugucucuaaccaaccgc.....	1	0	A21
.....cgagcaguuugaauuucuaacc.....	1	0	A21
.....cugcucgagcugucucuaac.....	1	0	A34
.....cugcucgagcugucucuaacca.....	5	0	A34
.....ugcucgagcugucucuaacca.....	6	0	A34
.....ugcucgagcugucucuaaccaa.....	2	0	A34
.....ugcucgagcugucucuaaccaac.....	4	0	A34
.....ugcucgagcugucucuaaccaaA.....	2	1	A34
.....ugcucgagcugucucuaaccaA.....	1	1	A34
.....uaccaaccgcucgagcaguuugaauuuc.....	1	0	A34
.cacggacUgcucgagcgguc.....	1	1	E24
.....ucggcguugacugcucgagcaguu.....	1	0	E24
.....acugcucgagcugucucuaacc.....	2	0	E24
.....acugcucgagcugucucuaacca.....	2	0	E24
.....cugcucgagcugucucuaac.....	1	0	E24
.....cugcucgagcugucucuaacc.....	1	0	E24
.....cugcucgagcugucucuaacca.....	11	0	E24
.....cugcucgagcAgucucuaaccaa.....	1	1	E24
.....cugcucgagcugucucuaaccaa.....	8	0	E24
.....cugcucgagcugucucuaaccaU.....	1	1	E24
.....cugcucgagcugucucuaaccaaA.....	1	1	E24
.....ugcucgagcugucucuaacca.....	4	0	E24
.....ugcucgagcugucucuaaccaa.....	5	0	E24
.....ugcucgagcugucucuaaccaaU.....	2	1	E24
.....ugcucgagcugucucuaaccaac.....	17	0	E24
.....ugcucgagcugucucuaaccaU.....	1	1	E24
.....cucgagcugucucuaaccGaccgc.....	1	1	E24
.....accgcucgagcaguuugaauu.....	1	0	E24
.....cuUcucgagcugucucuaacca.....	1	1	H41
.....cugcucgagcugucucuaacca.....	7	0	H41
.....cugcucgagcugucucuaaccaac.....	1	0	H41
.....cugcucgagcugucucuaaccaaA.....	1	1	H41
.....ugcucgagcugucucuaacca.....	2	0	H41
.....ugcucgagcugucucuaaccaa.....	1	0	H41
.....ugcucgagcugucucuaaccGac.....	1	1	H41
.....ugcucgagcugucucuaaccaac.....	3	0	H41
.....ugGucgagcugucucuaaccaac.....	1	1	H41
.....ugcucgagcugucucuaaccaU.....	1	1	H41
.....Aaauuucuaaccgcagucuaag.....	1	1	H41
.....cugcucgagcugucucuaacca.....	4	0	A04
.....cugcucgagcugucucuaaccaa.....	2	0	A04
.....cugcucgaCgugucuaaccaa.....	1	1	A04
.....ugcucgagcugucucuaacca.....	3	0	A04
.....ugcucgagcugucucuaAca.....	1	1	A04
.....ugcucgagcugucucuaaccaaA.....	2	1	A04
.....ugcucgagcugucucuaaccaaU.....	1	1	A04
.....ugcucgagcugucucuaUcaac.....	1	1	A04
.....ugcucgagcugucucuaaccaac.....	2	0	A04
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Mature

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Star

Mature

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Mature

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Star

Mature

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Star

Mature

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.....ucgagcugucucuaaccaaccgcu.....	2	0	H53
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Mature

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.....ugcucgagcugucucuaaccaac.....	8	0	R74
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Star

Mature

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Star

Mature

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Star

Mature

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.....ugacugcucgagcugucucuaUaacc.....	1	1	R71
.....cugcucgagcugucucuaacca.....	1	0	R71
.....ugcucgagcugucucuaacca.....	3	0	R71

Star

Mature

acacgggaccgcucgagcggucggcgguugacugcucgagcagucggguuggugacugcucgagcugucucuaaccaaccgcucgagcagugaaauuucuaaccgcagucuaagucau			
.....ugcucgagcugucucuaacca.....	1	0	R71
.....ugcucgagcugucucuaacca.....	1	1	R71
.....ucgagcugucucuaGcaacc.....	1	1	R71
.....Uaaccgcucgagcagugaaauuucuaacc.....	3	1	R71
.....cgucgagcagugaaauuuc.....	2	0	R71
.....cgagcagugaaauuucuaacc.....	1	0	R71
.....Agagcggucggcgguugacug.....	1	1	A31
.....cugcucgagcugucucuaacc.....	1	0	A31
.....cugcucgagcugucucuaacca.....	1	0	A31
.....ugcucgagcugucucuaacca.....	1	0	A31
.....ugcucgagcugucucuaacca.....	2	0	A31
.....ugcucgagcugucucuaaccGac.....	1	1	A31
.....acugcucgagcugucucuaacca.....	1	0	H72
.....cugcucgagcugucucuaac.....	3	0	H72
.....cugcucgagcugucucuaacca.....	15	0	H72
.....cugcucgagcugucucuaAca.....	1	1	H72
.....cugcucgagcugucucuaacca.....	6	0	H72
.....ugcucgagcugucucuaacca.....	4	0	H72
.....ugcucgagcugucucuaacca.....	1	0	H72
.....ugcucgagcugucucuaaccaU.....	1	1	H72
.....ugcucgagcugucucuaacca.....	22	0	H72
.....ugcucgagcugucucuaaccGac.....	2	1	H72
.....ugcucgagcugucucuaacca.....	1	0	H72
.....cucgagcagugaaauuucu.....	1	0	H72
.....acugcucgagcugucucuaacca.....	1	0	H32
.....cugcucgagcugucucuaacc.....	5	0	H32
.....cuAcucgagcugucucuaacca.....	1	1	H32
.....cugcucgagcugucucuaacca.....	22	0	H32
.....cugcucAagcugucucuaacca.....	1	1	H32
.....cugcucgagcCgucucuaacca.....	1	1	H32
.....cugcucgagcugucucuaacca.....	6	0	H32
.....cugcucgagcugucucuaaccaU.....	1	1	H32
.....ugcucgagcugucucuaacca.....	5	0	H32
.....ugcucgagcugucucuaacca.....	13	0	H32
.....ugcucgagcugucucuaaccGac.....	1	1	H32
.....ugcucgagcugucucuaacca.....	9	0	H32
.....ugcucgagcugucucuaaccaU.....	3	1	H32
.....ugcucgagcugucucuaaccGc.....	1	1	H32
.....ugcucgagcugucucuaacUaac.....	1	1	H32
.....ugcucgagcugucucuaaccaacU.....	3	1	H32
.....ugcucgagcugucucuaaccaacc.....	1	0	H32
.....ugcucgagcugucucuaaccaacA.....	3	1	H32
.....cucgagcugucucuaaccaaccgcu.....	1	0	H32
.....cgagcagugaaauuucuaacc.....	1	0	H32
.....cggcguugacugcucgagcaguc.....	1	0	H52
.....cugcucgagcugucucuaac.....	2	0	H52
.....cugcucgagcugucucuaacc.....	1	0	H52
.....cugcucgagcugucucuaacca.....	10	0	H52
.....cugcucgagcugucucuaaccaU.....	1	1	H52
.....ugcucgagcugucucuaacca.....	5	0	H52
.....ugcucgagcugucucuaacca.....	4	0	H52
.....ugcucgagcugucucuaaccGa.....	1	1	H52
.....ugcucAagcugucucuaaccaac.....	1	1	H52
.....ugcucgagcugucucuaaccaac.....	3	0	H52
.....ugcucgagcugucucuaaccaA.....	1	1	H52
.....ugcucgagcugucucuaaccGac.....	1	1	H52
.....cucAagcugucucuaaccaaccgc.....	2	1	H52
.....uacUaaccgcucgagcagugaaauuuc.....	1	1	H52
.....Uaaccgcucgagcagugaaauuucuaacc.....	2	1	H52
.....ucgagcagugaaauuucuaaccgcagucuc.....	1	0	H52