



5'	3'	obs	
aaaucauauaguugagggaaaacauugucuagcauauggugagcuguuugaacuuuuacuaauuuauugaua <u>ucaguuccaccagcucaccaau</u> aggccagagauaaca			
aaaucauauaguugagggaaaacauugucuagcauauggugagcuguuugaacuuuuacuaauuuauugaua <u>ucaguuccaccagcucaccaau</u> aggccagagauaaca			exp
...(((.....))).....((.(((.(....((((((((((....(((((((((.....).)).)))))).....)).)).)).)...auaguugaggAaaaacauugucuagcaua.....	reads	mm	sample
.....auaguugaggAaaaacauugucuagcaua.....	2	1	seq
.....auugucuagcauauggugagcG.....	1	1	seq
.....agcauauggugagcuguuugaacu.....	1	0	seq
.....uauuggugagcuguuugaa.....	1	0	seq
.....uauuggugagcuguuugaU.....	1	1	seq
.....uauuggugagcuguuugaac.....	2	0	seq
.....uauuggugagcuguuugaacuu.....	1	0	seq
.....uauuggugagcuguuugaacuuGu.....	3	1	seq
.....uauuggugagcuguuugaacuuGua.....	2	1	seq
.....uauuggugagcuguuugaacuuGuac.....	1	1	seq
.....auuggugagcuguuugaacuu.....	3	0	seq
.....auuggugagcuguuugaacuuG.....	1	1	seq
.....uggugagcuguuugaacG.....	1	1	seq
.....uggugagcuguuugaacu.....	10	0	seq
.....uggugagcuguuugaacC.....	5	1	seq
.....uggugagcuguuugaacA.....	1	1	seq
.....uggugagcuauuugaacu.....	3	1	seq
.....uggugGgcuguuugaacuu.....	4	1	seq
.....uggugagcuguuugaacGu.....	1	1	seq
.....uggugagcuguuugaacuG.....	1	1	seq
.....uggugagcuguuugaacuA.....	2	1	seq
.....uggugagcuguuugaacuC.....	5	1	seq
.....uggugagcuauuugaacuu.....	3	1	seq
.....uggugagcuguuugaacuu.....	13	0	seq
.....uggugagcuguuugaGcuu.....	2	1	seq
.....uggugagcuguuugaacAu.....	2	1	seq
.....Cggugagcuguuugaacuuu.....	1	1	seq
.....uggugagcuguuugaacuuG.....	6	1	seq
.....uggugagcuauuugaacuuu.....	8	1	seq
.....uggugagcuguuugaacuCu.....	1	1	seq
.....uggugagcuguuugaacuuC.....	1	1	seq
.....uggugagcuguuugaacuuu.....	24	0	seq
.....uggugagcuguuugaacuuuC.....	9	1	seq

Star

Mature

aaaucauauaguugagggaacauugucuagcauauggugagcuguuugaacuuuuacuauuuauagauaucaguuuccaccagcucaccaauaggccagauauaaca

.uggugagcuguuugaacuuuu	97	0	seq
.uggugagcuguuugaacuuGu	6	1	seq
.Cggugagcuguuugaacuuuu	1	1	seq
.uggugagcuguuugaacuuuA	3	1	seq
.uggugagcuAuuugaacuuuu	51	1	seq
.uggugagcuguCugaacuuuuu	3	1	seq
.uAgugagcuguuugaacuuuu	1	1	seq
.uggugagUuuugaacuuuuu	1	1	seq
.uggGgagcuguuugaacuuuu	1	1	seq
.uggugaAcuguuugaacuuuu	3	1	seq
.uggugagcugCuugaacuuuuu	1	1	seq
.uggugagcuguuugaGcuuuu	1	1	seq
.uggugagcAguuugaacuuuu	2	1	seq
.uggugagcuguuugaacuuuuU	5	1	seq
.Aggugagcuguuugaacuuuu	3	1	seq
.Cggugagcuguuugaacuuuu	11	1	seq
.uggugGgcuguuugaacuuuu	6	1	seq
.uggugagcuAuuugaacuuuu	170	1	seq
.uggCgagcuguuugaacuuuu	1	1	seq
.uggugagcuguuCgaacuuuu	2	1	seq
.uggugagcuguuAgaacuuuu	1	1	seq
.uggugagcuguuugaacuuuCa	1	1	seq
.uggugagcuguuugaacuuuu	470	0	seq
.uggugagcuguuugaacuuGua	3	1	seq
.uggugagcuguuuGacuuuu	3	1	seq
.uggugagcuguuugaacuuuuU	11	1	seq
.uggugagcuguuugaacuuuuac	1	0	seq
.uggugagcuAuuugaacuuuuac	6	1	seq
.uggugagcuguuugaacuuuuA	9	1	seq
.uggugagcuguuugaacuuuuUu	5	1	seq
.uggugagcuguuugaacuuuuAa	1	1	seq
.uggugagcuguuugaacuuuuUua	1	1	seq
.uggugagcuguuugaacuuuuAua	2	1	seq
.uggugagcuAuuugaacuuuuacuauuu	1	1	seq
.ggugagcuguuugaacu	1	0	seq
.ggugGgcuguuugaacu	1	1	seq
.Agugagcuguuugaacuu	2	1	seq
.ggugagcuguuugaacuA	8	1	seq
.ggugagcuguuugaacuC	37	1	seq
.ggugagcuguuugaacGu	2	1	seq
.ggugGgcuguuugaacuu	41	1	seq
.ggugagcuguuCgaacuu	1	1	seq
.ggugagcuguuugaacuu	99	0	seq
.ggugagcuguuugaacuG	2	1	seq
.ggugagcuguuugaacuAa	1	1	seq
.ggugagcuguuugaacuuu	13	0	seq
.ggugagcuguuugaacuuG	1	1	seq
.ggugGgcuguuugaacuuu	4	1	seq
.ggugagcuguuuGacuuu	3	1	seq
.ggugagcuAuuugaacuuu	2	1	seq
.ggugagcuguuugaacuuC	2	1	seq
.ggugGgcuguuugaacuuu	2	1	seq
.ggugagcCguuugaacuuu	1	1	seq
.Agugagcuguuugaacuuu	4	1	seq
.ggugagcuguuugaacuuGu	19	1	seq
.ggugagcuAuuugaacuuu	6	1	seq
.ggugagcuguuuGacuuu	3	1	seq
.ggugagcuguuugaacuuuG	1	1	seq
.ggugagcuguuugaacuuuC	7	1	seq
.ggugagcuguuugaacuuu	41	0	seq
.ggugagcuAuuugaacuuuu	34	1	seq
.ggugGgcuguuugaacuuuu	2	1	seq
.ggCgagcuguuugaacuuuu	1	1	seq
.ggugagcuguuuGacuuuu	2	1	seq
.ggugagcuguuugaacuuuu	213	0	seq
.Cgugagcuguuugaacuuuu	1	1	seq
.Agugagcuguuugaacuuuu	4	1	seq
.ggugagcuguuugaacuuuC	1	1	seq
.ggugagcuguuugaacCuua	1	1	seq
.ggugagcuguuugaacuuuAa	1	1	seq

Star

Mature

aaaucauauaguugaggggaaacauugucuagcauauggugagcuguuugaacuuuuacuaauuuuauagauaucaguccaccagcucaccaauaggccagaugauaaca			
.....ggugagcuguuugaacuuGua.....	52	1	seq
.....ggugagcuguuugaacuuuuuU.....	7	1	seq
.....ggugagcuguuugaacuuuuuA.....	2	1	seq
.....ggugagcuguuugaacuuuAuac.....	8	1	seq
.....Agugagcuguuugaacuuuuuac.....	1	1	seq
.....ggugagcuaauugaacuuuuuac.....	1	1	seq
.....ggugagcuguuugaacuuuuuAuu.....	2	1	seq
.....gugagcuguuugGacuuuu.....	1	1	seq
.....ugagcuguuugaacuuuuuA.....	1	0	seq
.....ugagcuguuugaacuuuuuac.....	1	0	seq
.....aacuuuuuacuauuuuauagau.....	1	0	seq
.....cuauuuuauagauaucaguccaccagc.....	1	0	seq
.....cuauuuuauagauaucaguccaccagcA.....	1	1	seq
.....cuauuuuauagauaucaguccaccagcucG.....	1	1	seq
.....uauuuuauagauaucaguccaccagcucaccC.....	1	1	seq
.....uuuauagauaucaguccaccagcucaccaau.....	1	0	seq
.....uauaguccaccagcucacc.....	2	0	seq
.....uauaguccaccagcucacca.....	3	0	seq
.....aucaguccaccagcucacca.....	1	0	seq
.....Cucaguccaccagcucaccaau.....	4	1	seq
.....Uucaguccaccagcucaccaau.....	2	1	seq
.....ucaguccaccagcucac.....	2	0	seq
.....ucaguccaccagcucU.....	1	1	seq
.....ucaguccaccaUcucac.....	7	1	seq
.....ucaguccaccagcucac.....	10	0	seq
.....ucaguccaccagcucacG.....	1	1	seq
.....ucaguccaccagcucacA.....	1	1	seq
.....ucaguccaccagcucacU.....	6	1	seq
.....Acaguccaccagcucacc.....	1	1	seq
.....ucaguccaccagcucacUc.....	4	1	seq
.....Ccaguccaccagcucacc.....	4	1	seq
.....ucaguccaccaAcucacc.....	1	1	seq
.....ucagCuccaccagcucacc.....	1	1	seq
.....ucaguccaccagcucacU.....	63	1	seq
.....ucaguccaccaUcucacc.....	185	1	seq
.....ucaguccaccagcucacAc.....	2	1	seq
.....ucaguccaccagcucacG.....	5	1	seq
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.....ucaguccacUcagcucacc.....	1	1	seq
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.....ucaguccaccagcucacA.....	90	1	seq
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.....ucaguccaccaCucacc.....	2	1	seq
.....ucaguccGccagcucacc.....	1	1	seq
.....ucaAuuccaccagcucacc.....	1	1	seq
.....ucaguccaccGgcucacc.....	1	1	seq
.....ucaguccaccagcucacGc.....	66	1	seq
.....ucaguccaccagcCcacc.....	1	1	seq
.....ucagCuccaccagcucacca.....	5	1	seq
.....ucaguccaccagcucaccU.....	24	1	seq
.....Gcaguccaccagcucacca.....	2	1	seq
.....ucaguccaccagcucacAa.....	21	1	seq
.....ucaguccaccCgcucacca.....	2	1	seq
.....ucaguccaccagcucacGca.....	137	1	seq
.....Acaguccaccagcucacca.....	6	1	seq
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.....ucUguuccaccagcucacca.....	2	1	seq
.....ucaguccaccagcucacUca.....	2	1	seq
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.....ucaguccaccagcCcacca.....	4	1	seq
.....ucaguccaccagcUacca.....	2	1	seq
.....ucaguccaccGgcucacca.....	8	1	seq
.....ucaguccUccagcucacca.....	1	1	seq
.....ucaguccaccaCucacca.....	4	1	seq
.....ucaguccaccagcucaccC.....	18	1	seq
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.....ucaguccaccagcucGcca.....	10	1	seq
.....ucaguccacUcagcucacca.....	1	1	seq
.....ucaguccGccagcucacca.....	5	1	seq
.....ucaguccaccaUcucacca.....	391	1	seq

Star

Mature

aaaucauauaguugagggaacauugucuagcauauaggugagcuguuugaacuuuuacuauuuauagauaucaguuccaccagcucaccaauaggccagaugauaaca

.....Caguuccaccagcucacca.....	7	1	seq
.....ucaguuccaccagUucacca.....	1	1	seq
.....ucaguuccaccagcucaccG.....	153	1	seq
.....ucaguuccaccagcucacca.....	1340	0	seq
.....ucaguuccaccaAcucacca.....	1	1	seq
.....ucaguuccaGcagcucacca.....	2	1	seq
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.....ucaguAccaccagcucacca.....	1	1	seq
.....ucaguuccaccagcGcacca.....	3	1	seq
.....ucaguuccaccaAcucaccaa.....	2	1	seq
.....ucaguuccaccagcucacUaa.....	1	1	seq
.....Caguuccaccagcucaccaa.....	6	1	seq
.....ucaguuccaccagcCcaccaa.....	3	1	seq
.....uUaguuccaccagcucaccaa.....	3	1	seq
.....ucaguAccaccagcucaccaa.....	2	1	seq
.....ucagCuccaccagcucaccaa.....	6	1	seq
.....ucGguuccaccagcucaccaa.....	2	1	seq
.....ucaguuccaccagcucGccaa.....	2	1	seq
.....ucaCuuccaccagcucaccaa.....	1	1	seq
.....ucaguuccaccagcucaccGa.....	4	1	seq
.....ucaguuccaccagUucaccaa.....	1	1	seq
.....ucaguuccGccagcucaccaa.....	3	1	seq
.....ucaguuccaccaUcucaccaa.....	123	1	seq
.....ucaguucUaccagcucaccaa.....	1	1	seq
.....ucaguuccaUcagcucaccaa.....	1	1	seq
.....ucaguuccaccagcucaccaG.....	20	1	seq
.....ucUguuccaccagcucaccaa.....	1	1	seq
.....Gcaguuccaccagcucaccaa.....	1	1	seq
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.....ucaguuccaccagcucaccaU.....	28	1	seq
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.....Acaguuccaccagcucaccaa.....	7	1	seq
.....ucaguuccaccagcucaccaC.....	6	1	seq
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.....ucaguuccaccagcucaccaa.....	669	0	seq
.....Acaguuccaccagcucaccaau.....	69	1	seq
.....ucaguuccaccagcucacAaa.....	9	1	seq
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.....ucaguuccaccagcGcaccaa.....	3	1	seq
.....ucaguuccaccagcucaccaCu.....	13	1	seq
.....ucaguGccaccagcucaccaau.....	5	1	seq
.....ucaguuccaccagcucaccaGu.....	357	1	seq
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.....ucaguuccaccagAucaccaau.....	2	1	seq
.....ucaguuccaccagcuAaccaau.....	2	1	seq
.....ucaguuccaccagcAcaccaau.....	4	1	seq
.....ucaAuuccaccagcucaccaau.....	6	1	seq
.....ucaguuccaccagcucaccGau.....	41	1	seq
.....ucaguuccaccagcucaccaUu.....	13	1	seq
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.....ucaguuccaccagcucaccaG.....	271	1	seq
.....ucaguuccaccaAcucaccaau.....	16	1	seq
.....ucaguucUaccagcucaccaau.....	6	1	seq
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.....ucaguAccaccagcucaccaau.....	5	1	seq
.....ucaguuccaccagcucaccaaC.....	1723	1	seq
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.....ucaguuccaccagcucaccaau.....	9644	0	seq
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.....ucaguuccaccagcucacUcaa.....	8	1	seq
.....ucaguuccaccagcucaccCau.....	5	1	seq
.....ucaguuccaccagcucaccUau.....	68	1	seq
.....ucaguuccaccagcucGccaa.....	22	1	seq
.....ucaguuccaccaCcucaccaau.....	11	1	seq
.....ucaguuccaccagcucaccaaA.....	445	1	seq
.....ucaguuccacAagcucaccaau.....	1	1	seq
.....ucaguuccaccagUucaccaau.....	10	1	seq
.....Gcaguuccaccagcucaccaau.....	2	1	seq

Star

Mature

aaaucauauaguugagggaacauugucucagcauauaggugagcuguuugaacuuuuacuauuuauagauauucaguccaccagcucaccaauaggccagaugauaaca

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.....uGaguuccaccagcucaccaau.....	1	1	seq
.....ucaguuccaccagcucUccaau.....	1	1	seq
.....ucaguuccaccagcucaAcaau.....	1	1	seq
.....ucGguuccaccagcucaccaau.....	34	1	seq
.....ucaguuccaccagcucacUaaU.....	11	1	seq
.....ucaguuccaccGgcucaccaau.....	31	1	seq
.....ucaguuccaccagcCcaccaau.....	29	1	seq
.....ucagCuccaccagcucaccaau.....	32	1	seq
.....ucaguuccUccagcucaccaau.....	4	1	seq
.....ucaguuccaccagcucaGcau.....	482	1	seq
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.....ucaguucAaccagcucaccaau.....	1	1	seq
.....ucaguuccaccaUcucaccaau.....	2657	1	seq
.....ucaguuccaccUgcucaccaau.....	4	1	seq
.....ucaguuccaUcagcucaccaau.....	13	1	seq
.....ucaguuUcaccagcucaccaau.....	5	1	seq
.....Ccaguuccaccagcucaccaau.....	124	1	seq
.....ucaguuccaccagcuUaccau.....	13	1	seq
.....ucUguuccaccagcucaccaau.....	8	1	seq
.....uAguuccaccagcucaccaau.....	2	1	seq
.....ucaguuccGccagcucaccaau.....	31	1	seq
.....uAguuccaccagcucaccaua.....	5	1	seq
.....ucaguuccaccagcucaccaUua.....	62	1	seq
.....ucaguuccaccagcucaccaGua.....	19	1	seq
.....ucaguuccaccagcucaccaaGa.....	10	1	seq
.....ucaguuccCcagcucaccaua.....	2	1	seq
.....ucaguuccaccUgcucaccaua.....	4	1	seq
.....ucagGuccaccagcucaccaua.....	1	1	seq
.....ucaguuAaccagcucaccaua.....	3	1	seq
.....ucaguuccaccagcucacAaau.....	5	1	seq
.....ucaguuccaccagcucaccaaAa.....	26	1	seq
.....ucaguuccaGcagcucaccaua.....	1	1	seq
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.....ucaguuccaccaAcucaccaua.....	9	1	seq
.....ucaguuccaccaCcucaccaua.....	5	1	seq
.....Gcaguuccaccagcucaccaua.....	5	1	seq
.....ucaguuccaccagcuUaccaua.....	6	1	seq
.....ucaguuccaccagcucaccauG.....	67	1	seq
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.....ucaguuccaccagcucaccaaCa.....	105	1	seq
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.....ucaguuccUaccagcucaccaua.....	8	1	seq
.....ucaguuccaUcagcucaccaua.....	9	1	seq
.....ucaguuccaccagcucaccauC.....	414	1	seq
.....ucagCuccaccagcucaccaua.....	33	1	seq
.....ucaguuccaccagcucaGcaua.....	26	1	seq
.....ucaguuccaccagcuAaccaua.....	2	1	seq
.....ucaguuccaccagcucaccauU.....	2796	1	seq
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.....ucaguuccUccagcucaccaua.....	7	1	seq
.....ucaguuccaccagUucaccaua.....	24	1	seq
.....ucaguuccaccagcAcaccaua.....	9	1	seq
.....ucUguuccaccagcucaccaua.....	2	1	seq
.....ucaguuUcaccagcucaccaua.....	7	1	seq
.....ucaguuccaccCgcucaccaua.....	1	1	seq
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.....ucaguuccaccagcucacUaua.....	3	1	seq
.....ucaguuccaccagcucaccGau.....	22	1	seq
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.....ucaguuccaccagcucaUcaua.....	9	1	seq
.....ucaguuccaccagcucUccaua.....	3	1	seq
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.....ucaguAaccaccagcucaccaua.....	2	1	seq
.....ucaguuccacAagcucaccaua.....	4	1	seq

Star

Mature

aaaucauauaguugagggaacauugucuagcauauggugagcuguugaacuuuuacuauuuauagauaucaguccaccagcucaccaauaggccagauaauaca

.....ucaguccaccagcucGccaaua.....	29	1	seq
.....uUaguuccaccagcucaccaaua.....	13	1	seq
.....ucaguccaccaUcucaccaaua.....	62	1	seq
.....Acaguccaccagcucaccaaua.....	54	1	seq
.....ucaguccacGagcucaccaaua.....	1	1	seq
.....ucCguuccaccagcucaccaaua.....	1	1	seq
.....ucaguccaccagcucaccaauaA.....	27	1	seq
.....ucaguccaccagcucaccaauaC.....	19	1	seq
.....ucaguccaccagcucaccaauaCg.....	1	1	seq
.....caguuccaccagcucacc.....	1	0	seq
.....Aaguuccaccagcucacc.....	1	1	seq
.....cGguuccaccagcucacca.....	1	1	seq
.....caguuccaccagcucacca.....	1	0	seq
.....caguuccaccagcucaccaa.....	3	0	seq
.....caguuccaccagcucaccaGu.....	1	1	seq
.....caguuccaccagcCcaccaau.....	1	1	seq
.....caguuccaccagcucaccaaC.....	3	1	seq
.....caguuccaccagcucaccaau.....	20	0	seq
.....caguuccaccagcucacGcaau.....	4	1	seq
.....caguuccaccagcucaccaaua.....	29	0	seq
.....caguuccaccagcucaccaauU.....	9	1	seq
.....aguuccaccagcucacca.....	1	0	seq
.....aguuccaccagcucaccaa.....	3	0	seq
.....aguuccaccagcucaccaau.....	5	0	seq
.....aguuccaccagcucaccaaC.....	1	1	seq
.....Cguuccaccagcucaccaaua.....	1	1	seq
.....aguuccaccagcucaccaaua.....	17	0	seq
.....aguuccaccagcucaccaauU.....	2	1	seq
.....guuccaccagcucaccaau.....	2	0	seq
.....guuccaccagcucacGcaau.....	1	1	seq
.....guuccaccagcucaccaaua.....	2	0	seq
.....Cuccaccagcucaccaau.....	2	1	seq
.....uuccaccagcucaccUau.....	3	1	seq
.....uuccaccagcucaccaaA.....	4	1	seq
.....uuccaccagcucaccaaC.....	19	1	seq
.....uuccaccagcucaccaaG.....	1	1	seq
.....uuccaccagcucaccaGu.....	1	1	seq
.....uuccaccagcucaccaau.....	72	0	seq
.....Cuccaccagcucaccaaua.....	2	1	seq
.....uuccaccagcCcaccaua.....	2	1	seq
.....uAccaccagcucaccaua.....	1	1	seq
.....uuccaccagcucaccaGua.....	2	1	seq
.....uuccaccagcucaccaua.....	139	0	seq
.....uuccaccagcucaccaUua.....	1	1	seq
.....uuccaccagcucaccaauU.....	9	1	seq
.....uuccGccagcucaccaua.....	1	1	seq
.....uuccaccagcucaccaauC.....	2	1	seq