Provisional ID	: chromosome_4_131847
Score total	: 6722.7
Score for star read(s)	: 3.9
Score for read counts	: 6715
Score for mfe	: 2.2
Score for randfold	: 1.6
Score for cons. seed	:
Total read count	: 13183
Mature read count	: 12108
Loop read count	: 0
Star read count	: 1075

Mature   **Star**

```
5'- guuggaggaagaaggaccacagucugcgaguagggaauuuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccgauugcaauaggagagacu  -3'   obs
    guuggaggaagaaggaccacagucugcgaguagggaauuuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccgauugcaauaggagagacu         exp
    ......((.........))..(((((((((.((((((((((((((((((((((.((((((((.....))))))))))))))))))))))))))))).))))........)))))   reads   mm   sample
    .................cagucugcgaguagggaau.................................................................................   1       0    s18
    ..........................gaauuagguuuggagCuccaguga...................................................................   1       1    s18
    .......................aauuagguuuggaguuccagugau.....................................................................   1       0    s18
    .........................uuagguuuggaguuccagugg.....................................................................   3       0    s18
    .........................uuagguuuggaguuccagugа.....................................................................   8       0    s18
    .......................uGgguuuggaguuccagu..........................................................................   1       1    s18
    ......................uagguuuggaguuccaAu..........................................................................   1       1    s18
    ......................uagguuuggaguuccaUu..........................................................................   1       1    s18
    ......................uagguuuggaguuccagu..........................................................................   3       0    s18
    ......................uagguuuggaguuccagug.........................................................................   16      0    s18
    ......................uagguuuggaguuccagCg.........................................................................   1       1    s18
    ......................uagguuuggaguuccaguA.........................................................................   1       1    s18
    ......................uagguuuggaguuccaguU.........................................................................   1       1    s18
    ......................uagguuuggaguGcaguga.........................................................................   1       1    s18
    ......................uagguuuggaguCccaguga........................................................................   1       1    s18
    .....................uUgguuuggaguuccaguga.........................................................................   2       1    s18
    ......................uagguuuggaguuUcaguga........................................................................   1       1    s18
    ......................Aagguuuggaguuccaguga........................................................................   2       1    s18
    ......................uagguuuggaguuccaUuga........................................................................   1       1    s18
    ......................uagguuuggaguuccagugU........................................................................   5       1    s18
    ......................uaggCuuggaguuccaguga........................................................................   1       1    s18
    ......................uagguuuggaguuccagugG........................................................................   9       1    s18
    ......................uagguuCggaguuccaguga........................................................................   1       1    s18
    ......................uagguuAggaguuccaguga........................................................................   1       1    s18
    ......................uagguuuggGguuccaguga........................................................................   1       1    s18
    .....................uGgguuuggaguuccaguga.........................................................................   1       1    s18
    ......................uagguuuggaguuccaguga........................................................................   140     0    s18
    ......................uagguuuggaguuAcaguga........................................................................   1       1    s18
    ......................uagguuuggaguuccagGga........................................................................   1       1    s18
    ......................uagguuuggaguuccagugau.......................................................................   2       0    s18
    ......................uagguuuggaguuccagugauuua....................................................................   2       0    s18
    ......................uagguuuggaguuccagugauuuaAu..................................................................   1       1    s18
    ......................uagguuuggaguuccagugauuuacucacu..............................................................   1       0    s18
```

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........................................................acucacugAacuccaaaccugau........................    2    1    s18
........................................................acuggacuccaaaccugau..........................    1    0    s18
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........................................................acuggacuccaaaccugauuA........................    1    1    s18
........................................................acuggacuccaaaccugauuccA......................    3    1    s18
........................................................cuggacuccaaaccugauuuA.........................    1    1    s18


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..............cacagucugcgaguagggaaC.................................................................    1    1    s05
................cagucugcgaguagggaau.................................................................    3    0    s05
.........................gaauuagguuuggaguuccagu.....................................................    3    0    s05
.........................gaauuagguuuggaguuccagAg....................................................    1    1    s05
.........................gaauuagguuuggaguuccaguga...................................................    2    0    s05
.........................gaauuagguuuggaguuccaguUa...................................................    1    1    s05
..........................aauuagguuuggaguucc........................................................    1    0    s05
..........................aauuagguuuggaguuccaguA....................................................    1    1    s05
..........................aauuagguuuggaguuccagug....................................................    1    0    s05
..........................aauuagguuuggaguuccaguga...................................................    1    0    s05
..........................aauuagguuuggaguuccaguU....................................................    3    1    s05
..........................aauuagguuuggaguuccagugaC..................................................    1    1    s05
...........................auuagguuuggaguuccagugau.................................................    1    0    s05
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.............................uuagguuAggaguuccagu...................................................    1    1    s05
.............................uuagguuuggaguuccagu...................................................    2    0    s05
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.............................uuagguuuggaguuccagug..................................................    2    0    s05
.............................uuagguuuggaguuccaguga.................................................    7    0    s05
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.............................uuagguuuggaguuccagugauuuU............................................    1    1    s05
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..............................uagguuuggaguuccagC..................................................    3    1    s05
..............................uagguuuggaguuccagug.................................................   17    0    s05
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..............................uagguuuggaguuccagugU................................................    9    1    s05
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..............................uagguuuggaguGccaguga................................................    1    1    s05
..............................uagguuuggaguuccagugaC...............................................    2    1    s05
..............................uagguuuggaguuccagugau...............................................   10    0    s05
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..............................uagguuuggaguuccagugaA...............................................    1    1    s05
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....................................................acuggacucUaaaccugauuucc........................    1    1    s05
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....................................................acuggacuccaaaccugauuucG........................    2    1    s05
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.....................................................................cuggacuccaaaccugauu.......................   1    0    s05
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.....................................................................cuggacuccaaaccugauuucU....................   2    1    s05
.....................................................................cuggacuccaaaccugauuucA....................   1    1    s05
.....................................................................cuggacuccaaaccugauuucc....................   3    0    s05
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...............cacagucugcgaguagggaa............................................................................   2    0    s02
...............cacagucugcgaguagggaaC...........................................................................   3    1    s02
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...............................gaauuagguuuggaguuccaguga........................................................   6    0    s02
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................................aauuagguuuggaguuccagugaC.......................................................   1    1    s02
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..................................uuagguuuggaguuccaAu..........................................................   1    1    s02
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..................................uuaggCuuggaguuccaguga........................................................   1    1    s02
..................................uuagguuuggaguuccaguga........................................................  48    0    s02
..................................uuagguuuggaguuccagugC........................................................   1    1    s02
..................................uuagguuuggaguuccagugG....uuacucacuggacuccaaaccugauu............................   1    1    s02
..................................uuagguuuggaguucAaguga........................................................   1    1    s02
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..................................................Cuagguuuggaguuccaguga.............................................  1    1    s02
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..................................................uagguuuggaguuccGgu...............................................  1    1    s02
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..................................................uagguuuggaguuccaguAau.............................................  1    1    s02
..................................................uagguuuggaguuccagugau.............................................  73   0    s02
..................................................uagguuAggaguuccagugauu............................................  1    1    s02
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..................................................uagguuuggaguuccagugauC............................................  2    1    s02
..................................................uaggCuuggaguuccagugauu............................................  1    1    s02
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..................................................uGgguuuggaguuccagugauu............................................  2    1    s02
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugaAuacucacuggacuccaaaccgauuuccgauugcaauaggagagacu       2    1    s02
..................................................uagguuuggaguuccagugauu.............................................  13   0    s02
```

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..............................................uagguuuggaguuccagugauAu...................................................  2    1    s02
..............................................uagguuuggaguuccagugauuu...................................................  4    0    s02
..............................................uagguuuggaguuccagugauuuU..................................................  5    1    s02
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..............................................agguuuggaguuccaguga.....................................................  5    0    s02
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.......................................................gauuuacucacuggacuccaaaccugau.....................................  2    0    s02
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.........................................................acucacugAacuccaaaccu............................................  2    1    s02
.........................................................acucacugAacuccaaaccug............................................  3    1    s02
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.........................................................acucacugAacuccaaaccugau.........................................  5    1    s02
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...............................................................acuggacuccaaaccugGu........................................  1    1    s02
...............................................................acuggacuccaaaccugau........................................  20   0    s02
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...............................................................Gcuggacuccaaaccugauu.......................................  3    1    s02
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...............................................................acuggacuccaaaccugauuu......................................  3    0    s02
...............................................................acuggacuccaaaccugauuA......................................  28   1    s02
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...............................................................acuggacuccaaaccugauuuA.....................................  2    1    s02
...............................................................acuggacuccaaaccugauuucc....................................  18   0    s02
...............................................................acuggacuccaaaccugauuucU....................................  10   1    s02
...............................................................acuggacuccaaaccugauuuUc....................................  1    1    s02
...............................................................acuggacuccaaaccugauuucA....................................  4    1    s02
...............................................................acuggacuccGaaccugauuucc....................................  2    1    s02
...............................................................acuggacuccaaaccugGuuucc....................................  2    1    s02
...............................................................acuggacuccaaaccugauuuccu...................................  2    0    s02
...............................................................acuggacuccaaaccugauuuccA...................................  10   1    s02
...............................................................acuggacuccaaaccugauuuccAu..................................  3    1    s02
...............................................................acuggacuccaaaccugauuuccG...................................  4    1    s02
................................................................cuggacuccaaaccugauuu.....................................  4    0    s02
................................................................cuggacuccaaaccugauuA.....................................  8    1    s02
................................................................cuggacuccaaaccugauuuc....................................  24   0    s02
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacuc.cuggacuccaaaccugauuuU....................................  5    1    s02
..............................................uagguuuggaguuccagugauA......cuggacCccaaaccugauuuc...........................  2    1    s02
```

Mature   **Star**

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu
```

Read	Count	Mismatch	Sample
...cuggacuccaaaccugauuucA...	6	1	s02
...cuggacuccaaaccugauuuAc...	2	1	s02
...cuggacuccaaaccugauuucc...	13	0	s02
...Guggacuccaaaccugauuucc...	1	1	s02
...cuggacuccaaaccugauuucU...	4	1	s02
...cuggacuccaaaccugauuucAu...	1	1	s02
...cuggacuccaaaccugauuuccC...	1	1	s02
...cuggacuccaaaccugauuuccA...	6	1	s02
...uggacuccaaaccugaGu...	1	1	s02
...uggacuccaaaccugauu...	1	0	s02
...uggacuccaaaccugauuu...	1	0	s02
...uggacuccaaaccugauuc...	1	0	s02
...uggacuccaaaccugauuucA...	5	1	s02
...uggacuccaaCccugauuucc...	1	1	s02
...uggacuccaaaccugauuucc...	3	0	s02
...uggacuccaaaccugauuucU...	2	1	s02
...cagucugcgaguagggaau...	2	0	s11
...aauuagguuuggaguuccagGg...	1	1	s11
...aauuagguuuggaguuccagug...	2	0	s11
...aauuagguuuggaguuccagugau...	1	0	s11
...uuagguuuggaguuccaguga...	3	0	s11
...uagguuuggaguuccUgu...	1	1	s11
...uagguuuggaguuccagu...	1	0	s11
...uagguuuggaguuccagug...	6	0	s11
...uagguuuggaguuccaguga...	35	0	s11
...uagguCggaguuccaguga...	1	1	s11
...uaggCuggaguuccaguga...	1	1	s11
...uagguuuggaguuccagugU...	3	1	s11
...uagguuuggaguuccagugG...	5	1	s11
...uagguuCggaguuccaguga...	1	1	s11
...uagguuuggaguuccagugC...	1	1	s11
...uagguuuggaCuuccaguga...	1	1	s11
...uagguuuggaguuccagugauu...	1	0	s11
...uagguuuggaguuccagugauA...	1	1	s11
...uagguuuggaguuccagugauuuacC...	1	1	s11
...uagguuuggaguuccagugauuuacu...	1	0	s11
...uagguuuggaguuccagugauuuacucacu...	7	0	s11
...gauuuacucacuggacuccaaaccugau...	1	0	s11
...acuggacuccaaaccugauu...	1	0	s11
...aggaccacagucugcgaguagggaau...	1	0	s10
...cacagucugcgaguagggaau...	8	0	s10
...acagucugcgaguagggaau...	1	0	s10
...cagucugcgaguagggaaC...	1	1	s10
...cagucugcgaguagggaau...	4	0	s10
...agucugcgaguagggaau...	1	0	s10
...Aaauuagguuuggaguucc...	1	1	s10
...gaauuagguuuggaguuccag...	2	0	s10
...gaauuagguuuggaguuccaA...	1	1	s10
...gGauuagguuuggaguuccag...	1	1	s10
...gaauuagguuuggaguuccagu...	1	0	s10
...gaauuagguuuggaguuccGgu...	1	1	s10
...gaauuagguuuggaguuccagug...	2	0	s10
...gaauuagguuuggaguuccagugU...	1	1	s10
...gaauuagguuuggaguuccaguga...	11	0	s10
...aauuagguuuggaguuccagu...	1	0	s10
...aauuagguuuggaguucAagu...	1	1	s10
...aauuagguuuggaguuccaguga...	9	0	s10
...aauuagguuuggaguuccagugauA...	3	1	s10
...auuagguuuggaguuccagug...	3	0	s10
...auuagguuuggaguuccaguU...	2	1	s10
...auuagguuuggaguuccaguga...	10	0	s10
...auuagguuuggGguuccagugau...	1	1	s10
...uuagguuuggaguuccag...	5	0	s10
...uuagguuuggaguuccagu...	11	0	s10
...uuaggAuuggaguuccagu...	1	1	s10
...uCagguuuggaguuccagu...	3	1	s10
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagug uuuacuc acuggacuccaaaccugauuccugauugcaauaggagagacu	9	0	s10
...uuagguuuggaguuccaguU...	1	1	s10

Mature   **Star**

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuccugauugcaauaggagagacu
```

Sequence	Count	A	Sample
....Cuagguuuggaguuccaguga..	1	1	s10
....Guagguuuggaguuccaguga..	1	1	s10
....uuagguuuggaguuccaguga..	152	0	s10
....uuagguuuggaguuccagugC..	2	1	s10
....uuagguuuggaguuccagugG..	6	1	s10
....uuagguuuggaguGccaguga..	2	1	s10
....uuagguuuggaguuccaguCa..	1	1	s10
....uuagguuuggagCuccaguga..	2	1	s10
....uuagguuuggaguUcaguga..	2	1	s10
....uuagguuuggaguAccaguga..	1	1	s10
....uuagguuuggaguuccagGga..	1	1	s10
....uuagguuuggGguuccaguga..	1	1	s10
....uuGgguuuggaguuccaguga..	1	1	s10
....uuagguuuggaguucCguga..	1	1	s10
....uuagguAuggaguuccaguga..	1	1	s10
....uuagguuuggaguuccagugU..	11	1	s10
....uuaUguuuggaguuccaguga..	1	1	s10
....uuagguuuggaguuccagugaA..	1	1	s10
....uuagguuuggaguuccagugaC..	1	1	s10
....uuagguuuggaguuccagugau..	7	0	s10
....uagguuuggaguuccagA..	6	1	s10
....uagguuCggaguuccagu..	1	1	s10
....uagguuuggaguuccaUu..	3	1	s10
....uagguuuggaguuccGgu..	1	1	s10
....uagguuuggaguuccaAu..	1	1	s10
....Aagguuuggaguuccagu..	1	1	s10
....uagguuuggaguuccagu..	85	0	s10
....uagguuuAgaguuccagu..	1	1	s10
....uagguuuggaguuccagC..	13	1	s10
....uagguuuggagCuccagug..	1	1	s10
....uagguuuggaguuccaguA..	11	1	s10
....uagguuCggaguuccagug..	1	1	s10
....uagguuuggaguuccaguU..	8	1	s10
....uGgguuuggaguuccagug..	1	1	s10
....uagguuuAgaguuccagug..	1	1	s10
....uagguuuggaguucUagug..	1	1	s10
....uagguuuggaguuccagug..	127	0	s10
....uagguuuggaguuccaguga..	1635	0	s10
....uagguuuAgaguuccaguga..	1	1	s10
....Aagguuuggaguuccaguga..	11	1	s10
....uagguuuggaguucAaguga..	1	1	s10
....Gagguuuggaguuccaguga..	1	1	s10
....uagguuuggaAuuccaguga..	3	1	s10
....uaggGuuggaguuccaguga..	2	1	s10
....uagguuuggaguuGcaguga..	1	1	s10
....uagguuuggaguuccaAuga..	3	1	s10
....uagguuuggaCuuccaguga..	1	1	s10
....uagguuAggaguuccaguga..	2	1	s10
....Cagguuuggaguuccaguga..	9	1	s10
....uagguuuggaguuccagAga..	1	1	s10
....uagguuuggaguGccaguga..	3	1	s10
....uagguuuggaguuccaguAa..	3	1	s10
....uGgguuuggaguuccaguga..	7	1	s10
....uUgguuuggaguuccaguga..	1	1	s10
....uaUguuuggaguuccaguga..	1	1	s10
....uagguuuggaguuccagCga..	1	1	s10
....uagguuuggaguuccagugG..	43	1	s10
....uagguuuggaguAccaguga..	2	1	s10
....uagguuuggaguccGguga..	5	1	s10
....uagguuuggaguuccaguUa..	5	1	s10
....uagguuuggaguucUaguga..	3	1	s10
....uagguuuggaguccUguga..	4	1	s10
....uagguuuggaguuccaUuga..	4	1	s10
....uagguuuggGguuccaguga..	13	1	s10
....uagguuuUgaguuccaguga..	1	1	s10
....uagAuuuggaguuccaguga..	1	1	s10
....uagguuuggaguuccCguga..	3	1	s10
....uagguCggaguuccaguga..	2	1	s10
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggagCuccagugauuuacucacuggacuccaaaccgauuccugauugcaauaggagagacu	5	1	s10
....uagguuuggCguuccaguga..	2	1	s10

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuccugauugcaauaggagagacu
```

Sequence	Count	Flag	ID
....uagguuuggaguuccagugugC..	18	1	s10
....uagguuCggaguuccaguga..	4	1	s10
....uagguuuggagGuccaguga..	4	1	s10
....uaggAuuggaguuccaguga..	2	1	s10
....uagguuuggaguucGaguga..	1	1	s10
....uagguuuggaguCccaguga..	9	1	s10
....uagguuuggagAuccaguga..	1	1	s10
....uaAguuuggaguuccaguga..	5	1	s10
....uagguuGggaguuccaguga..	4	1	s10
....uagguuuggaguuccagGga..	26	1	s10
....uagguuuUaguuccaguga..	1	1	s10
....uagguuuggaguuccagugU..	130	1	s10
....uaggCuuggaguuccaguga..	9	1	s10
....uagguuuggaguuccagugGu..	1	1	s10
....uagguuuggaguuccagugaC..	6	1	s10
....Aagguuuggaguuccagugau..	2	1	s10
....uagguuuggaguuccagugaA..	9	1	s10
....uagguuuggaguuccagugau..	23	0	s10
....uagguuuggaguuccagugaG..	1	1	s10
....uagguuuggaguuccagugauu..	28	0	s10
....uagguuuggaguuccagugauC..	7	1	s10
....uagguuuggaguuccagugaGu..	2	1	s10
....uCgguuuggaguuccagugauuu..	1	1	s10
....uagguuuggaguuccagugauuG..	2	1	s10
....uagguuuggaguuAcagugauuu..	1	1	s10
....uaggCuuggaguuccagugauuu..	1	1	s10
....uagguuAggaguuccagugauuu..	2	1	s10
....uagguuuggaguuccagugauuC..	1	1	s10
....uagguuuggaguuccagugauuu..	17	0	s10
....uagguuuggUguuccagugauuu..	2	1	s10
....uagguuuggaguuccagugauuA..	1	1	s10
....uagguuuggaguuccagugauuuU..	2	1	s10
....uagguuuggaguuccagugauuua..	3	0	s10
....Aagguuuggaguuccagugauuuacu..	1	1	s10
....uagguuuggaguuccagugauuuacG..	1	1	s10
....uagguuuggaguuccagugauuuacu..	3	0	s10
....uagguuuggaguuccagugauuuacuca..	1	0	s10
....uagguuuggaguuccagugauuuacCcacu..	1	1	s10
....uagguuuggaguuccagugauuuacucacG..	1	1	s10
....uagguuuggaguuccagugauuuacucacu..	37	0	s10
....uagguuuggaguuccagugauuuacucacC..	1	1	s10
....uagguuAgaguuccagugauuuacucacu..	1	1	s10
....agguuCggaguuccaguga..	1	1	s10
....agguuuggaguuccagugauu..	1	0	s10
....ugauuuacucacuggacuccaaaccgauu..	1	0	s10
....Aauuuacucacuggacuccaaaccgau..	1	1	s10
....acucacugAacuccaaaccug..	1	1	s10
....acucacugAacuccaaaccuga..	1	1	s10
....cucacugAacuccaaaccuga..	2	1	s10
....acuggacuccaaacAugauu..	1	1	s10
....acuggacuccaaaccugauu..	24	0	s10
....acuggacGccaaaccugauu..	1	1	s10
....acuggacuccaaaccugauuu..	4	0	s10
....acugCacuccaaaccugauuu..	1	1	s10
....acuggacuccaaaccugauuuA..	1	1	s10
....acuggacuccaaaccugauuuc..	2	0	s10
....acuggacuccaaaccAgauuucc..	1	1	s10
....acuggacuccaaaccugauuucc..	3	0	s10
....acuggacuccaaaccugauuucA..	1	1	s10
....acuggacuccaaaccugauuuccA..	1	1	s10
....cuggacuccaaaccugauuuc..	2	0	s10
....cuggacuccaaaccugauuAc..	1	1	s10
....cuggacuccaaaccugauuucU..	1	1	s10
....cuggacuccaaaccugauuucA..	1	1	s10
....cuggacuccaaaccugauuuccA..	1	1	s10
....cuggacuccaaaccugauuuccuU..	1	1	s10
....uggacuccaaaccugauuucc..	1	0	s10
....cacagucugcgaguagggaaC..	2	1	s01
....cacagucugcgaguagggaau..	3	0	s01

guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu

Sequence	Count	Flag	ID
.................acagucugcgaguagggaau...	1	0	s01
...............cagucugcgaguagggaau...	1	0	s01
..........................gaauuagguuuggaguucU..	1	1	s01
..........................gaauuagguuuggaguuccagu..	3	0	s01
..........................gaauuagguuuggaguuccaguga..	5	0	s01
..........................gaaCuagguuuggaguuccaguga..	1	1	s01
..........................gaauuagguuuggaguCccaguga..	1	1	s01
............................aauuagguuuggaguucc..	1	0	s01
............................aauuagguuuggaguucca...	4	0	s01
............................aauuagguuuggaguuccaU..	1	1	s01
............................aauuagguuuggaguuccagug...	1	0	s01
............................aauuagguuuggaguuccaguga..	13	0	s01
............................aauuagguuuggagCuccaguga..	1	1	s01
..........................Cauuagguuuggaguuccagugau..	1	1	s01
..............................auuagguuuggaguuccagug...	1	0	s01
..............................auuagguCuggaguuccaguga..	1	1	s01
..............................auuagguuuggaguuccaguga..	3	0	s01
...............................uCagguuuggaguuccag..	1	1	s01
...............................uuagguuuggaguuccag..	8	0	s01
...............................uuagguuuggaguuccagu...	3	0	s01
...............................uuagguuuggaguuccaguga...	15	0	s01
...............................uuagguuuggaguuccagugau...	1	0	s01
...............................uagguuuggagCuccagu...	1	1	s01
...............................uagguuuggaguuccagu...	16	0	s01
...............................uagguuuggaguuccaAu...	1	1	s01
...............................uagguuuggaguuccagC...	2	1	s01
...............................uagguuuggaguuccaUu...	2	1	s01
...............................uagguuuggaguuccagA...	12	1	s01
...............................uagguuuggaguuccagug..	28	0	s01
...............................uagguuuggaguuccaguA..	5	1	s01
...............................uagguuuggaguuccagugU...	15	1	s01
...............................uagguuuAgaguuccaguga...	1	1	s01
...............................uagguuuggaguucCgguga...	2	1	s01
...............................uagguuuggaCuuccaguga...	1	1	s01
...............................uagAuuuggaguuccaguga...	1	1	s01
...............................uagguuuggaguuGcaguga...	2	1	s01
...............................uagguuuggaAuuccaguga...	1	1	s01
...............................uagguuuggaguuccagugG...	4	1	s01
...............................Cagguuuggaguuccaguga...	1	1	s01
...............................uagguuuggaguuccCuguga..	1	1	s01
...............................Aagguuuggaguuccaguga...	1	1	s01
...............................uagguuuggagGuccaguga...	2	1	s01
...............................uagguuuggaguuccaguUa...	2	1	s01
...............................uagguuuggagCuccaguga...	2	1	s01
...............................uagguuuggGguuccaguga...	2	1	s01
...............................uagguCuggaguuccaguga...	1	1	s01
...............................uagguuuggaguuccaguAa..	2	1	s01
...............................uagguuuggaguuccaguCa..	1	1	s01
...............................uagguuuggaguuccagGga..	3	1	s01
...............................uGgguuuggaguuccaguga...	2	1	s01
...............................Gagguuuggaguuccaguga...	1	1	s01
...............................uagguuuggaguuccaguga...	345	0	s01
...............................uagguuuggaguuccagugC..	2	1	s01
...............................Cagguuuggaguuccagugau..	1	1	s01
...............................uagguuuggaguuccagugau..	5	0	s01
...............................uagguuuggaguuccagugaC...	2	1	s01
...............................uagguuuggaguuccagugaA...	1	1	s01
...............................uagguuuggaguCccagugauu..	1	1	s01
...............................uagguuuggaguuccagugauA..	3	1	s01
...............................uagguuuggaguuccagugauu..	8	0	s01
...............................uagguuuggaguuccagugauuu...	9	0	s01
...............................uagguuuggaguuccagugauuua..	2	0	s01
...............................uagguuuggaguuccagugauuuacu.....................................	9	0	s01
...............................uagguuuggaguuccagugauCuacu.....................................	1	1	s01
...............................uagguuuggaguuccagugauuuacC.....................................	2	1	s01
...............................uagguuuggaguuccagugauuuacuca...................................	1	0	s01
...............................uagguuuggaguuccagugauuuacucacA.................................	1	1	s01
...............................uagguuuggaguuccagugauuuacucacu.................................	19	0	s01
guuggaggaagaaggaccacagucugcgaguagggaau..agguuuggaguuccaguga.....acuc.acuggacuccaaaccgauuu.ccugauu..	3	0	s01
....acucacugAacuccaaaccu...........................	1	1	s01

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuccugauugcaauaggagagacu

...........................................................cucacugAacuccaaaccug........................   1     1    s01
...........................................................ucacuggacuccaaaccug.........................   1     0    s01
.................................................................acuggacuccaaaccugau....................   4     0    s01
.................................................................acuggGcuccaaaccugauu...................   1     1    s01
.................................................................acuggacuccaaaccugauA...................   5     1    s01
.................................................................acuggacuccaaaccugauuA..................   2     1    s01
.................................................................acuggacuccaaaccugauuuU.................   1     1    s01
.................................................................acuggacuccaaaccugauuuc.................   2     0    s01
.................................................................acuggacuccaaaccugauuucc................   3     0    s01
.................................................................acuggacuccaaaccugauuuccu...............   1     0    s01
.................................................................acuggacuccaaaccugauuuccA...............   3     1    s01
....................................................................cuggacuccaaaccugauuuc..............   1     0    s01
....................................................................cuggacuccaaaccugauuucA.............   1     1    s01
....................................................................cuggacuccaaaccugauuuccA............   1     1    s01

.................cacagucugcgaguagggaau.................................................................   2     0    s17
.....................gaauuagguuuggaguuccagA...........................................................   1     1    s17
.....................gaauuagguuuggaguuccaguga.........................................................   1     0    s17
......................aauuagguuuggaguuccaguga........................................................   3     0    s17
.........................uuagguuuggaguuccag.........................................................   1     0    s17
.........................uuagguuuggaguuccagugU......................................................   1     1    s17
.........................uuagguuuggaguuccaguga......................................................  23     0    s17
..........................uagguuuggaguuccagu.......................................................  14     0    s17
..........................uagguuuggaguuccagC.......................................................   1     1    s17
..........................uagguuCggaguuccagug......................................................   1     1    s17
..........................uagguuuggaguuccagug......................................................  15     0    s17
..........................uagguuuggaguuccagugG.....................................................   2     1    s17
..........................uaUguuuggaguuccaguga.....................................................   1     1    s17
..........................uagguuuggaguuccGguga.....................................................   6     1    s17
..........................uagguuuggaguuccagugU.....................................................   8     1    s17
..........................uagguuuggagCuccaguga.....................................................   1     1    s17
..........................uGgguuuggaguuccaguga.....................................................   1     1    s17
..........................uagguuuggaguuccagugC.....................................................   1     1    s17
..........................uagguuuggaguuccagGga.....................................................   1     1    s17
..........................uagguuuGguuccaguga......................................................   2     1    s17
..........................uagguCuggaguuccaguga....................................................   1     1    s17
..........................Gagguuuggaguuccaguga....................................................   2     1    s17
..........................uagguuuggaguuccaguga....................................................  161    0    s17
..........................uagguuuggaguuccagugau...................................................   1     0    s17
..........................uagguuuggaguuccagugauuu.................................................   3     0    s17
..........................uagguuuggaguuccagugauuuacu..............................................   3     0    s17
..........................uagguuuggagCuccagugauuuacucacu...........................................   1     1    s17
..........................uagguuuggaguuccagugauuuacucacG...........................................   1     1    s17
..........................uagguuuggaguuccagugauuuacucacu...........................................  27     0    s17
..........................uagguuuggaguuccagugauuuacucaUu..........................................   1     1    s17
...........................agguuuggaguuccaguga....................................................   1     0    s17
.................................................................acuggacuccaaaccugauu..............   3     0    s17
.................................................................acuggacuccaaaccugauuu.............   1     0    s17
.................................................................acuggacuccaaaccugauuuc............   3     0    s17
.................................................................acuggacuccaaaccugauuucU...........   1     1    s17
.................................................................acuggacuccaaaccugauuucc...........   2     0    s17
....................................................................cuggacuccaaaccugauuuc.........   2     0    s17
....................................................................cuggacuccaaaccugauuucc........   1     0    s17

.................cacagucugcgaguagggC..................................................................   1     1    s12
.................cacagucugcgaguagggaau................................................................   1     0    s12
..................acagucugcgaguagggaaC................................................................   1     1    s12
...................cagucugcgaguagggaaC...............................................................   2     1    s12
...................caguGugcgaguagggaau...............................................................   1     1    s12
...................cagucugcgaguagggaau...............................................................   5     0    s12
....................agucgcAaguagggaau................................................................   1     1    s12
.........................gaauuagguuuggaguuccagu......................................................   1     0    s12
.........................gaauuagguuuggaguuccagugU....................................................   2     1    s12
.........................gaauuagguuuggaguuccaguga....................................................   1     0    s12
.........................gaauuagguuuggaguuccagugau..................................................   1     0    s12
......................aauuagguuuggaguuccagugU.......................................................   2     1    s12
......................aauuagguuuggaguuccaguga.......................................................   4     0    s12
.........................uuagguuuggaguuccag.........................................................   1     0    s12
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagu.uuuacucacuggacuccaaaccgauuccugauugcaauaggagagacu   5     0    s12
.........................uuagguuuggaguuccagug.......................................................   1     0    s12
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu
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Sequence	Count	Flag	Sample
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....uuagguuuggaguuccaguga..	17	0	s12
....uuagguuuggaguuccagugU..	4	1	s12
....uuagguuuggaguuccCguga..	1	1	s12
....uuagguuuggaguuccagugau..	3	0	s12
....uuagguuuggaguuccagugauuu......................................	2	0	s12
....uagguuuggaguuccagu..	38	0	s12
....Aagguuuggaguuccagu..	1	1	s12
....uagguuuggaguuccagG..	1	1	s12
....uagguuuggaguCccagu..	2	1	s12
....uagguuuggaguuccagC..	1	1	s12
....uagguuuggaguuccaguA..	4	1	s12
....uagguuuggaguuccaguU..	2	1	s12
....uagguuuggaguGccagug..	1	1	s12
....uagguuuggaguuccaguC..	2	1	s12
....uagguuuggaguuccGgug..	1	1	s12
....uagguuuggaguuccagug..	41	0	s12
....uagguuuggaguuccUguga...	1	1	s12
....uagguuuggaguuccagugC...	4	1	s12
....uagguuuggagCuccaguga...	2	1	s12
....Aagguuuggaguuccaguga...	1	1	s12
....uagguuuggagAuccaguga...	1	1	s12
....uagguuuggaguCccaguga...	2	1	s12
....Gagguuuggaguuccaguga...	1	1	s12
....uaggAuuggaguuccaguga...	1	1	s12
....uaggCuuggaguuccaguga...	2	1	s12
....uagguuAggaguuccaguga...	3	1	s12
....uagguuuggaguuccagugU...	41	1	s12
....uagguuuggaguuccaguga...	394	0	s12
....uagguuuggGguuccaguga...	2	1	s12
....uagguuuggaguuAcaguga...	1	1	s12
....uagguuuggaguuccagGga...	6	1	s12
....Cagguuuggaguuccaguga...	1	1	s12
....uagguuuggaguuccGguga...	1	1	s12
....uagguuuggaguuccagugG...	7	1	s12
....uagguuuggUguuccaguga...	1	1	s12
....uagguuuggaguucAaguga...	1	1	s12
....uagguuuggaguuccaguUa..	2	1	s12
....uagguuCggaguuccaguga...	1	1	s12
....uagguuugAaguuccaguga...	2	1	s12
....uagguuuggaguuccaUuga...	1	1	s12
....uagguuuggaguGccaguga...	1	1	s12
....uagguuuggaguucUaguga...	1	1	s12
....uagguuuggaguuccagCga...	1	1	s12
....uagguCuggaguuccaguga...	1	1	s12
....uagguuuggaguuccagugCu..	1	1	s12
....uagguuuggaguuccagugaA..	6	1	s12
....uagguuuggaguuccagugUu..	2	1	s12
....uagguuuggaguuccagugaC..	6	1	s12
....uagguuGggaguuccagugau...	1	1	s12
....uagguuuggaguuccagugau...	28	0	s12
....Aagguuuggaguuccagugau...	2	1	s12
....uagguuAggaguuccagugau...	2	1	s12
....uagguuuggaguuccagugauu.......................................	17	0	s12
....uagguuuggaguuccagugauC.......................................	1	1	s12
....uagguuuggaguuccagugaAuu.....................................	1	1	s12
....uagguuuggaguuccagugauuu.....................................	1	0	s12
....uagguuuggaguuccagugauuuU....................................	1	1	s12
....uagguuuggaguuccagugauuuacu.................................	2	0	s12
....uagguuuggaguuccagugauuuacucacu.............................	6	0	s12
....uuuggaguuccagugauuu....................................	1	0	s12
....gauuuacucacuggacuccaaaccgau...................	1	0	s12
....acucacugAacuccaaacc......................	1	1	s12
....acucacugAacuccaaaccug...................	1	1	s12
....acucacugAacuccaaaccuga..................	1	1	s12
....acucacugAacuccaaaccugau.................	1	1	s12
....cucacugAacuccaaaccu....................	2	1	s12
....cucacugAacuccaaaccug...................	4	1	s12
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccaguga....cucacugAacuccaaaccuga..uuccugauugcaauaggagagacu	1	1	s12
....cucacugAacuccaaaccugauu.................	2	1	s12

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccgauugcaauaggagagacu

...................................................................ucacuggacuccaaaccugau......................  1    0   s12
...................................................................ucacuggacuccaaaccugaCu.....................  1    1   s12
......................................................................acuggacuccaaaccuga.......................  2    0   s12
......................................................................acuggacuccaaacAugau......................  1    1   s12
......................................................................acuggacuccaaaccugau......................  4    0   s12
.........................................................................aUuggacuccaaaccugau...................  1    1   s12
......................................................................acuggacuccaaaccugaC......................  2    1   s12
......................................................................acuggacuccaaaccugUuu.....................  1    1   s12
......................................................................acuggacuccaaacAugauu.....................  1    1   s12
......................................................................acuggacuccaaaccugauC.....................  1    1   s12
......................................................................acuggacuccaaaccugauA.....................  1    1   s12
......................................................................acuggacuccaaaccugauu.....................  25   0   s12
......................................................................acuggacuccaaGccugauu.....................  1    1   s12
......................................................................acuggacuccaaaccugauuA....................  2    1   s12
......................................................................acuggacuccaaaccugauAu....................  1    1   s12
......................................................................acuggacuccaaaccugauuuc...................  4    0   s12
......................................................................acuggacuccaaaccugauuuA...................  3    1   s12
......................................................................acuggacuccaaaccugauuucU..................  3    1   s12
......................................................................acuggacuccaaaccugauuucA..................  2    1   s12
......................................................................acuggacuccaaaccugauuucc..................  8    0   s12
......................................................................acuggacuccaaaccugauuuccA.................  1    1   s12
.......................................................................cuggacuccaaaccugauuA...................  1    1   s12
.......................................................................cuggacCccaaaccugauuuc..................  1    1   s12
.......................................................................cuggacuccaaaccugauuuc..................  7    0   s12
.......................................................................cuggacuccaaaccugauuucc.................  4    0   s12
.......................................................................cuggacuccaaGccugauuuccu................  2    1   s12

.....................................gaauuagguuuggaguuccaguga.................................................  4    0   s13
.....................................gaauuagguuuggaguuccagugaCuu.............................................  1    1   s13
.......................................aauuagguuuggaguucU.....................................................  2    1   s13
.......................................aauuagguuuggaguuccagu...................................................  1    0   s13
.......................................aauuagguuuggaguuccaguga.................................................  5    0   s13
........................................aCuagguuuggaguuccagugauu..............................................  1    1   s13
..........................................uuagguuuggaguuccaU..................................................  1    1   s13
..........................................uuagguuuggaguuccag...................................................  5    0   s13
..........................................uuaggCuggaguuccag....................................................  1    1   s13
..........................................uuagguuuggaguuccagu..................................................  4    0   s13
..........................................uuagguuuggaguuccagug.................................................  4    0   s13
..........................................uuagguuGggaguuccaguga...............................................  1    1   s13
..........................................uuagguuuggaguuccaguga...............................................  20   0   s13
..........................................uuagguuuggaguuccagugau..............................................  5    0   s13
..........................................uuagguuuggaguuccagugaA..............................................  2    1   s13
..........................................uuagguuuggaguuccagugauu.............................................  1    0   s13
..........................................uuagguuuggaguuccagugaAu.............................................  1    1   s13
...........................................uagguuuggaguuccagA..................................................  5    1   s13
...........................................uagguuuggaguuccagC..................................................  5    1   s13
...........................................uagguuuggaguuccaUu.................................................  7    1   s13
...........................................uGgguuuggaguuccagu.................................................  2    1   s13
...........................................uagguuuggaguuccagu.................................................  29   0   s13
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...........................................uagguuuggaguuccagug................................................  31   0   s13
...........................................uagguuuggaguuccaguA................................................  2    1   s13
...........................................uagguuuggaUuuccaguga..............................................  1    1   s13
...........................................uagguuuggaguuccaguAa..............................................  1    1   s13
...........................................Cagguuuggaguuccaguga..............................................  1    1   s13
...........................................uagguuuggaguuGcaguga..............................................  1    1   s13
...........................................uagguuuggaguuUcaguga..............................................  1    1   s13
...........................................uagguuuggaguccUguga...............................................  1    1   s13
...........................................uagguuuggaguuccagCga..............................................  3    1   s13
...........................................uagguuuggaguuccagugG...............................................  7    1   s13
...........................................uagguuuggaguCccaguga..............................................  3    1   s13
...........................................uagguuuggGguuccaguga..............................................  5    1   s13
...........................................uagguuuggaguuccaguga..............................................  229  0   s13
...........................................uagguuuggaguuccGguga..............................................  2    1   s13
...........................................uagguuuggagAuccaguga..............................................  1    1   s13
...........................................uagguuuggaguuccagugC...............................................  2    1   s13
...........................................Aagguuuggaguuccaguga..............................................  6    1   s13
...........................................uGgguuuggaguuccaguga..............................................  3    1   s13
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguGccaguga uuuacucacuggacuccaaaccugauuccgauugcaauaggagagacu  1    1   s13
...........................................uagguuuggaguuccagugU...............................................  10   1   s13
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
.........................................................uagguuuggaguuccagugaG.......................................  1    1    s13
.........................................................uagguuuggaguuUcagugau.......................................  1    1    s13
.........................................................uagguuuggGguuccagugau.......................................  1    1    s13
.........................................................uagguuuggaguuccagugaC.......................................  10   1    s13
.........................................................uagguuuggaguuccagugaA.......................................  7    1    s13
.........................................................uagguuuggaguuccagugau.......................................  53   0    s13
.........................................................uagguuuggaguuccagugUu.......................................  2    1    s13
.........................................................Aagguuuggaguuccagugau.......................................  1    1    s13
.........................................................uagguuuggaguuccagCgau.......................................  1    1    s13
.........................................................Cagguuuggaguuccagugau.......................................  2    1    s13
.........................................................uagguuuggaguuccGgugau.......................................  3    1    s13
.........................................................uagguuuggaguuccagugaCu......................................  2    1    s13
.........................................................uagguuuggaguuccagugauu......................................  12   0    s13
.........................................................uagguuuggagCuccagugauu......................................  1    1    s13
.........................................................uagguuuggaguuccGgugauu......................................  2    1    s13
.........................................................uagguuuggaguuccagugauC......................................  2    1    s13
.........................................................uagguuuggaguuccagugauA......................................  3    1    s13
.........................................................uagguuuggaguuAcagugauu......................................  1    1    s13
.........................................................uagguuuggaguuccagugaAu......................................  2    1    s13
.........................................................uagguuuggaguuccagugauuu.....................................  4    0    s13
.........................................................uagguuuggaguuccagugauuC.....................................  6    1    s13
.........................................................uagguuuggaguuccagugauuA.....................................  1    1    s13
.........................................................uagguuuggaguuccagugauuuac...................................  2    0    s13
.........................................................uagguuuggaguuccagugauuuacucacC.............................  9    1    s13
.........................................................uagguuuggaguuccagugauuuacucacu.............................  3    0    s13
.......................................................................acuggacuccaaaccugaCu.........................  2    1    s13
.......................................................................acuggacuccaaacAugauu.........................  1    1    s13
.......................................................................acuggacuccaaaccugauu.........................  4    0    s13
.......................................................................acuggacuccaaaccugauA.........................  1    1    s13
.......................................................................acuggacuccaaaccugauuu........................  3    0    s13
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.......................................................................acuggacCccaaaccugauuuc.......................  2    1    s13
.......................................................................acuggacuccaaaccugauuucc......................  1    0    s13
.......................................................................acuggacuccaaaccugauuucU......................  1    1    s13
........................................................................cuggacuccaaaccugauuuc.......................  1    0    s13
.........................................................................uggacuccaaaccugauuuc.......................  2    0    s13

..............................cacagucugcgaguagggaau...................................................................  2    0    s19
..............................cagucugcgaguagggaaC....................................................................  1    1    s19
..............................cagucugcgaguagggaau....................................................................  1    0    s19
...............................agucugcgaguagggaau....................................................................  1    0    s19
.................................gaauuagguuuggaguuccaguA..............................................................  1    1    s19
.................................gaauuagguuuggaguuccaguga............................................................  5    0    s19
...................................aauuagguuuggaguucc...............................................................  3    0    s19
...................................aauuagguuuggaguucca..............................................................  1    0    s19
...................................aauuagguuuggaguuccaUu............................................................  2    1    s19
...................................aauuagguuuggaguuccagug...........................................................  4    0    s19
...................................aauuagguuuggaguuccaguga..........................................................  2    0    s19
.....................................uuagguuuggaguuccaU.............................................................  2    1    s19
.....................................uuagguuuggaguuccag.............................................................  2    0    s19
.....................................uuagguuuggaguuccagu............................................................  1    0    s19
.....................................uuagguuuggUguuccagu............................................................  1    1    s19
.....................................uuagguuuggaguuccagug...........................................................  2    0    s19
.....................................uuagguuuggagCuccaguga..........................................................  1    1    s19
.....................................Auagguuuggaguuccaguga..........................................................  1    1    s19
.....................................uuagguuuggaguuccagugU..........................................................  3    1    s19
.....................................uuagguuAggaguuccaguga..........................................................  1    1    s19
.....................................uuagguuuggaguCccaguga..........................................................  1    1    s19
.....................................uuagguuuggaguuccaguga..........................................................  32   0    s19
.....................................Cuagguuuggaguuccaguga..........................................................  3    1    s19
.....................................uGgguuuggaguuccagu.............................................................  1    1    s19
.....................................uagguuuggaguuccagC.............................................................  7    1    s19
.....................................uagguuuggaguuccagA.............................................................  9    1    s19
.....................................uagguuuggaguuccagG.............................................................  1    1    s19
.....................................uagguuuggaguuccaUu.............................................................  4    1    s19
.....................................uagguuuggaguuccagu.............................................................  29   0    s19
.....................................uagguuuggaguuccaguC............................................................  2    1    s19
.....................................uagguuuggaguuccaguU uuacucacuggacuccaaaccugauuccugauugcaauaggagagacu.............  2    1    s19
.....................................uagguuuggaguGccagug.............................................................  1    1    s19
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guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu

Sequence	Count	Flag	Sample
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...uagguuuggaguccGgug...	1	1	s19
...uagguuuggaguuccaguA...	6	1	s19
...uagguuuggaguuccagug...	77	0	s19
...uagguuGggaguuccagug...	1	1	s19
...Cagguuuggaguuccagug...	2	1	s19
...uagguuuggaguuccaAug...	1	1	s19
...Gagguuuggaguuccaguga...	1	1	s19
...uagguuuggGguuccaguga...	5	1	s19
...uagguuuggaguuccagugC...	8	1	s19
...uagguuuggagGuccaguga...	1	1	s19
...uaAguuuggaguuccaguga...	3	1	s19
...uagguuuggaguuccaUuga...	1	1	s19
...uaggAuuggaguuccaguga...	1	1	s19
...uagguuuggaguuccaCuga...	1	1	s19
...uagguuuggaguuAcaguga...	1	1	s19
...uGgguuuggaguuccaguga...	1	1	s19
...uagguuuggaguCccaguga...	3	1	s19
...uagguuuggaguuccagAga...	1	1	s19
...Cagguuuggaguuccaguga...	6	1	s19
...uagguuuggaguGccaguga...	1	1	s19
...uagguuuggaguuccagCga...	13	1	s19
...uagguuGggaguuccaguga...	1	1	s19
...uagguGuggaguuccaguga...	2	1	s19
...uaggCuuggaguuccaguga...	7	1	s19
...uagguuuggaguucAaguga...	1	1	s19
...uagguuuggaguuccagGga...	7	1	s19
...uagguuuggaguucUaguga...	1	1	s19
...uagguCuggaguuccaguga...	3	1	s19
...uagguuuggaguuccaguAa...	1	1	s19
...uagguuCggaguuccaguga...	5	1	s19
...uagguuuggaguuGcaguga...	1	1	s19
...uUgguuuggaguuccaguga...	2	1	s19
...uagguuuggCguuccaguga...	1	1	s19
...uagguuuggUguuccaguga...	1	1	s19
...uagguuuggaguuccagugU...	17	1	s19
...uagguuuggaguccGguga...	4	1	s19
...uagguuuggaguuccagugG...	14	1	s19
...Aagguuuggaguuccaguga...	5	1	s19
...uagguuuggaguuccaguga...	767	0	s19
...uagguuAggaguuccaguga...	3	1	s19
...uagguuuggaguuccagugaC...	4	1	s19
...uagguuuggaguuccagugau...	8	0	s19
...uagguuuggaguccGgugau...	1	1	s19
...uagguuuggaguuccagugauu...	6	0	s19
...uagguuuggaguuccagugauuu...	4	0	s19
...uagguuuggaguuccagugauuuU...	1	1	s19
...uagguuuggaguuccagugauuuac...	1	0	s19
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...uagguuuggaguuccagugauuuacucac...	2	0	s19
...uaggCuuggaguuccagugauuuacucacu...	1	1	s19
...uagguuuggaguuccagugauuuacCcacu...	1	1	s19
...Aagguuuggaguuccagugauuuacucacu...	1	1	s19
...uagguuuggaguuccagugauuuacucUcu...	1	1	s19
...uagguuuggaguuccagugauuuacucacA...	2	1	s19
...uagguuuggaguuccagugauuuacucacC...	1	1	s19
...uagguuuggaguuccagugauuuacucacu...	39	0	s19
...uagguuAggaguuccagugauuuacucacu...	1	1	s19
...uagguuuggagCuccagugauuuacucacu...	2	1	s19
.agguuuggaguuccagugau...	3	0	s19
.gguuuggaguuccaguga...	1	0	s19
..guuuggaguuccagugauAu...	3	1	s19
...acucacugAacuccaaaccu...	1	1	s19
...acucacugAacuccaaaccuga...	1	1	s19
...acuggacuccaaaccugaC...	1	1	s19
...acuggacuccaaaccugauu...	16	0	s19
...acuggacuccaaacAugauu...	1	1	s19
...acuggacuccaaaccugauC...	2	1	s19
...acuggacuccaaaccugaCu...	1	1	s19
...acuggacuccaaaccugauuu...	1	0	s19

guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu

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..........................................................acuggacuccaaaccugauuA....................    2    1    s19
..........................................................acCggacuccaaaccugauuu....................    1    1    s19
..........................................................acuggacuccaaacAugauuu....................    2    1    s19
..........................................................acuggacuccaaaccugauuuU...................    2    1    s19
..........................................................acuggacuccaaaccugauuuA...................    1    1    s19
..........................................................acuggacuccaaaccugauucc..................    7    0    s19
..........................................................acuggacuccaaaccugauuucU.................    3    1    s19
..........................................................acuggacuccaaaccugauuuccA................    2    1    s19
..........................................................acuggacuccaaaccugauuuccuU...............    3    1    s19
..........................................................uggacuccaaaccugauuucA....................    2    1    s19


..............cacagucugcgaguagggaau..............................................................    2    0    s14
.............................gaauuagguuuggaguuccagugU.............................................    2    1    s14
.............................gaauuagguuuggaguuccaguga.............................................    3    0    s14
.............................gaauuagguuuggaguuccagugaAuu..........................................    1    1    s14
...............................aauuagguuuggaguuccaguga...........................................    2    0    s14
................................auuagguuuggaguuccaguga...........................................    2    0    s14
.................................uuagguuuggaguuccagGga...........................................    1    1    s14
.................................uuagguuuggaguuccaguga...........................................    1    0    s14
..................................uagguuuggaguuccagu............................................    4    0    s14
..................................uagguuuggaguuccaguA............................................    3    1    s14
..................................uagguuuggaguuccagug............................................    4    0    s14
..................................uagguuuggaguuccaguU............................................    1    1    s14
..................................uagguuuggaguCccaguga..........................................    1    1    s14
..................................uagguuuggaguuccagugU..........................................    2    1    s14
..................................uaggCuuggaguuccaguga..........................................    1    1    s14
..................................uagguuuggaguuccGguga..........................................    1    1    s14
..................................uagguuuggagAuccaguga..........................................    1    1    s14
..................................uagguuuggaguuccaguCa.........................................    1    1    s14
..................................uagguuuggaguuccagugG.........................................    2    1    s14
..................................uagguuuggGguuccaguga.........................................    1    1    s14
..................................uagguuuggaguuccaguga.........................................   57    0    s14
..................................uagguuuggaguuccagugaA.......................................    2    1    s14
..................................uagguuuggaguuccagugau.......................................    1    0    s14
..................................uagguuuggaguuccagugaC.......................................    1    1    s14
..................................uagguuuggaguuccagugauuuacu..................................    1    0    s14
..................................uaAguuuggaguuccagugauuuacucacu.............................    1    1    s14
..................................uagguuuggaguuccagugauuuacucacu.............................    6    0    s14
..................................uagguuuggaguuccagugauuuacucacC............................    1    1    s14
...............................................cucacugAacuccaaaccug.........................    1    1    s14
...............................................acuggacuccaaaccugauu.......................    1    0    s14
...............................................acuggacuccaaaccugauA.......................    3    1    s14
...............................................acuggacuccaaaccugauuucc...................    1    0    s14
...............................................acuggacuccaaaccugauuucU...................    2    1    s14
...............................................cuggacuccaaaccugauu.......................    1    0    s14


..............cacagucugcgaguagggaau..............................................................    3    0    s16
.............acagucugcgaguagggaaC.................................................................    2    1    s16
............cagucugcgaguagggaaC...................................................................    2    1    s16
.........................gaauuagguuuggaguucU......................................................    1    1    s16
.........................gaauuagguuuggaguuccagugU.................................................    1    1    s16
.........................gaauuagguuuggaguuccaguga.................................................    6    0    s16
..............................aauuagguuuggaguucc................................................    1    0    s16
..............................aauuagguuuggaguucca...............................................    2    0    s16
..............................aauuagguuuggaguuccag..............................................    1    0    s16
..............................aauuagguuuggaguuccaguA............................................    1    1    s16
..............................aauuagguuuggaguuccagugU...........................................    1    1    s16
..............................aauuagguuuggaguuccaguga...........................................    6    0    s16
..............................aauuagguuuggaguuccagugaC.........................................    1    1    s16
...............................auuagguuuggaguuccagug...........................................    2    0    s16
...............................auuagguuuggaguuccagugU..........................................    1    1    s16
................................uuagguuuggaguuccagu............................................    2    0    s16
................................uuagguuuggaguuccagug...........................................    1    0    s16
................................uuagguuuggaguuccaguga..........................................   15    0    s16
................................uuagguuuggaguuccagugU..........................................    1    1    s16
................................uuagguuuggaguuAcagugau.........................................    1    1    s16
................................uuagguuuggaguuccagugau.........................................    2    0    s16
................................uuagguuuggaguuccagugauu........................................    1    0    s16
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagC....uuuacucacuggacuccaaaccugauuuccgauugcaauaggagagacu    2    1    s16
................................uagguuuggaguuccGgu.............................................    1    1    s16
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccgauugcaauaggagagacu
..................................................uagguuuggaguuccagu.....................................................    25    0    s16
..................................................uagguuuggaguuccagA.....................................................    2     1    s16
.................................................uagguuuggaguCccagug.....................................................    1     1    s16
.................................................uagguuuggaguuccGgug.....................................................    1     1    s16
.................................................uagguuuggaguuccagug.....................................................    38    0    s16
.................................................uagguuuggaguuccaguU.....................................................    1     1    s16
.................................................uagguuuggaguuccaguA.....................................................    2     1    s16
.................................................uagguuuggaguuccagGga....................................................    7     1    s16
.................................................uagguuuGggaguuccaguga...................................................    1     1    s16
.................................................uagguuuggaguUcaguga.....................................................    1     1    s16
.................................................uagguuuAaguuccaguga.....................................................    1     1    s16
.................................................uagguuuggaguucAaguga....................................................    2     1    s16
.................................................uagguuuggaguuccGguga....................................................    6     1    s16
.................................................uagguuuggUguuccaguga....................................................    1     1    s16
.................................................uGgguuuggaguuccaguga....................................................    4     1    s16
.................................................Aagguuuggaguuccaguga....................................................    4     1    s16
.................................................uagguuuggaguuccagugU....................................................    19    1    s16
.................................................uagguuuggaguucGaguga....................................................    3     1    s16
.................................................Cagguuuggaguuccaguga....................................................    1     1    s16
.................................................uagguuuggaguCccaguga....................................................    1     1    s16
.................................................uagguuuggaguuccagugG....................................................    7     1    s16
.................................................uagAuuuggaguuccaguga....................................................    1     1    s16
.................................................uagguuuggaguucUaguga....................................................    3     1    s16
.................................................uagguuuggaguuAcaguga....................................................    2     1    s16
.................................................uagguuuggaguuccaUuga....................................................    2     1    s16
.................................................uagguuuggaguuccaguga....................................................    336   0    s16
.................................................uagguuuUgaguuccaguga....................................................    1     1    s16
.................................................uagguuAggaguuccaguga....................................................    1     1    s16
.................................................uagguuuggaguuccUguga....................................................    1     1    s16
.................................................uagguuuggaAuuccaguga....................................................    1     1    s16
.................................................uagguuuggaguGcaguga.....................................................    1     1    s16
.................................................Gagguuuggaguuccagugau...................................................    1     1    s16
.................................................uagguuuggaguuccagugaA...................................................    2     1    s16
.................................................uagguuuggaguuccagugaC...................................................    2     1    s16
.................................................uagguuuggaguuccagugau...................................................    35    0    s16
.................................................uagguuuggaguuccagugauC..................................................    1     1    s16
.................................................uagguuuggaguuccagugauA..................................................    3     1    s16
.................................................uaAguuuggaguuccagugauu..................................................    2     1    s16
.................................................uagguuuggaguuccagugauu..................................................    7     0    s16
.................................................uagguuuggaguuccagCgauuu.................................................    1     1    s16
.................................................uagguuuggaguuccagugauuu.................................................    16    0    s16
.................................................uagguuAggaguuccagugauuu.................................................    1     1    s16
.................................................uagguuCggaguuccagugauuu.................................................    1     1    s16
.................................................uagguuuggaguuccagugauuC.................................................    3     1    s16
.................................................Aagguuuggaguuccagugauuu.................................................    2     1    s16
.................................................uagguuuggaguuccagugauuua................................................    1     0    s16
.................................................uagguuuggaguuccagugauuuac...............................................    2     0    s16
.................................................uagguuuggaguuccagugauuuacu..............................................    2     0    s16
.................................................uagguuuggaguuccagugauuuacC..............................................    1     1    s16
.................................................uagguuuggaguuccagugauuuacuc.............................................    1     0    s16
.................................................uagguuuggaguuccagugauuuacucacC..........................................    1     1    s16
.................................................uagguuuggaguuccagugauuuacucacu..........................................    30    0    s16
..................................................agguuuggaguuccaguga....................................................    2     0    s16
..................................................agguuuggaguuccagugau..................................................    1     0    s16
.........................................................gauuuacucacuAgacuccaaaccugau....................................    1     1    s16
.........................................................gauuuacucacuggacuccaaaccugGu....................................    1     1    s16
............................................................acucacugAacuccaaaccuga.......................................    1     1    s16
.............................................................cucacugAacuccaaaccug........................................    1     1    s16
..................................................................Gcuggacuccaaaccugauu...................................    2     1    s16
..................................................................acuggacuccaaaccugauC...................................    2     1    s16
..................................................................acuggacuccaaaccugauu...................................    18    0    s16
..................................................................acuggacuccaaaccugUuu...................................    1     1    s16
..................................................................acuggacuccaaaccugaCu...................................    3     1    s16
..................................................................acuggacuccaaacAugauuu..................................    1     1    s16
..................................................................acuggacuccaaaccugauuA..................................    2     1    s16
..................................................................acuggacuccaaaccugauuu..................................    2     0    s16
..................................................................acuggacuccaaaccugauAu..................................    1     1    s16
..................................................................acuggacuccaaaccugauuU..................................    1     1    s16
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuc....................................    7     0    s16
..................................................................acuggacuccaaaccugauuuA..................................    3     1    s16
```

Mature   **Star**

guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu

Sequence	Count	Flag	Label
....acuggacuccaaaccugauuAc....................	1	1	s16
....acuggacuccaaaccugauuucA...................	1	1	s16
....acuggacuccaaaccugauuucc...................	9	0	s16
....acuggacuccaaaccugauuucU...................	4	1	s16
....cuggacuccaaaccugauuuc....................	5	0	s16
....cuggacuccaaaccugauuucA...................	1	1	s16
....cuggacuccaaaccugauuAc...................	1	1	s16
....cuggacuccaaaccugauucU...................	1	1	s16
....cuggacuccaaaccugauuuccu..................	1	0	s16
....................aauuagguuuggaguuccaguga..	1	0	s15
.......................uuagguuuggaguuccaguga..	1	0	s15
..........................uagguuuggaguuccagC...	1	1	s15
..........................uagguuuggaguuccaUu...	1	1	s15
..........................uagguuuggaguuccagu...	1	0	s15
..........................uagguuuggaguuccaguU..	1	1	s15
..........................uagguuuggaguuccagug..	8	0	s15
..........................uagguuCggaguuccaguga...	1	1	s15
..........................uagguuuggaguuccaguga...	32	0	s15
..........................uagguuuggaguuccGguga...	2	1	s15
..........................uagguuuggaguuccagugG...	2	1	s15
..........................uagguuuggaguuccagugau...	1	0	s15
..........................uagguuuggaguuccagugauuuacu...	2	0	s15
..........................uagguuuggaguuccagugauuuacucacu.......................................	7	0	s15
..........................Gagguuuggaguuccagugauuuacucacu.......................................	1	1	s15
....gauuuacucacuggacuccaaaccugau..................	3	0	s15
....acuggacuccaaaccugauu.........	2	0	s15
....acuggacuccaaaccugauuucU......	1	1	s15
...............cagucugcgaguagggaau..	2	0	s03
................agucugcgaguagggaau..	1	0	s03
......................gaauuagguuuggaguuccaguga...	5	0	s03
......................gaauuagguuuggaguuccagugC...	1	1	s03
......................gaauuagguuuggaguuccagugauA...	1	1	s03
.........................aauuaggCuuggaguuccag..	1	1	s03
.........................aauuagguuuggaguuccaguga...	11	0	s03
.........................aauuagguuuggaguuccagugau...	5	0	s03
..........................auuagguuuggaguuccaguga...	1	0	s03
...........................uuaggCuuggaguuccag..	1	1	s03
...........................uuGgguuuggaguuccag..	1	1	s03
...........................uuagguuuggaguuccag..	3	0	s03
...........................uuagguuuggaguuccaU..	1	1	s03
...........................uuagguuuggaguuccagug..	1	0	s03
...........................uuagguuCggaguuccaguga...	1	1	s03
...........................uuagguuuggaguuccaguga...	14	0	s03
...........................uuagguuuggaguuccagugU..	3	1	s03
...........................uagguuuggaguuccagu...	13	0	s03
...........................uagguuuggaguuccagC...	2	1	s03
...........................uagguuuggaguuccaguU..	1	1	s03
...........................Cagguuuggaguuccagug..	1	1	s03
...........................uagguuuggaguuccagCg..	1	1	s03
...........................uagguuuggaguuccagug..	23	0	s03
...........................Gagguuuggaguuccagug..	1	1	s03
...........................uagguuuggaguuccaguA..	5	1	s03
...........................uagguuuggaguuccagugG...	4	1	s03
...........................uagguuuggaguuccagugC...	5	1	s03
...........................uagguuuggagAuccaguga...	1	1	s03
...........................uagguuuggaguuccaUuga...	1	1	s03
...........................uagguuuggaguuccagGga...	2	1	s03
...........................uagguuuggaguuccaguga...	319	0	s03
...........................Aagguuuggaguuccaguga...	3	1	s03
...........................uagguuuggaguuccaguUa..	1	1	s03
...........................uagguuuggaguuccagugU..	13	1	s03
...........................uagguCuggaguuccaguga...	3	1	s03
...........................uagguuugAaguuccaguga...	1	1	s03
...........................uagguuCggaguuccaguga...	1	1	s03
...........................uagguuuggaguGcaguga..	1	1	s03
...........................uagguuuggaguuccaAuga...	3	1	s03
uuggaggaagaaggaccacagucugcgaguagggaau...........uagguuuggaguucAagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu ...uagguuuggaguucAaguga..........................	1	1	s03
...........................uagguuuggUaguuccaguga..	1	1	s03

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guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccgauugcaauaggagagacu
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Sequence			
....uaggguuuggagCuccaguga...	1	1	s03
....uGgguuuggaguuccaguga...	1	1	s03
....uaggguuuggaguuccagugau......................................	13	0	s03
....uaggguuuggaguuccagugaA......................................	1	1	s03
....uaggguuuggaguuccagugaC......................................	2	1	s03
....uaggguuuggaguuccagugauuu...................................	2	0	s03
....uaggguuuggaguuccagugauuC...................................	2	1	s03
....uaggguuuggaguuccagugauuA...................................	1	1	s03
....uaggguuuggaguuccagugauuuacu................................	1	0	s03
....uaggguuuggaguuccagugauuuacucU..............................	1	1	s03
....uaggguuuggaguuccagugauuuacucacu............................	3	0	s03
....uaggguuuggaguuccagugaCuuacucacu............................	2	1	s03
....aggguuuggaguuccaguga......................................	1	0	s03
....aggguuuggaguuccagugU......................................	1	1	s03
....gauuuacucacuggacuccaaaccugau.....................	2	0	s03
....acuggacuccaaaccuga.........................	1	0	s03
....acuggacuccaaaccugauA.......................	1	1	s03
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....acuggacuccaaaccugauuuc.....................	1	0	s03
....acuggacuccaaaccugauuucA...................	2	1	s03
....acuggacuccaaaccugauuucc...................	2	0	s03
....acuggacuccaaaccugauuuccA..................	4	1	s03
....cuggacuccaaaccugauuuc..................	1	0	s03
....cuggacuccaaaccugauuucA.................	2	1	s03
...............................cacagucugcgaguagggaau..	1	0	s06
.................................cagucugcgaguagggaau..	1	0	s06
..................................aguGugcgaguagggaau..	1	1	s06
....gaauuagguuuggagguuccagu..	1	0	s06
....gaauuagguuuggaguuccagug...	1	0	s06
....gaauuagguuuggaguuccaguga..	6	0	s06
....aauuagguuuggaguucU..	1	1	s06
....aauuagguuuggaguuccag..	2	0	s06
....aauuagguuuggaguuccagug..	1	0	s06
....aauuagguuuggaguuccaguU..	1	1	s06
....aauuagguuuggaguuccagCga...	1	1	s06
....Cauuagguuuggaguuccaguga..	1	1	s06
....aauuagguuuggaguAccaguga..	1	1	s06
....aauuagguuuggaguuccaguga..	6	0	s06
....aauuagguuuggaguuccagugau...	2	0	s06
....aauuagguuuggaguuccagugauA..	1	1	s06
....auuagguuuggaguucAaguga..	1	1	s06
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....auCagguuuggaguuccaguga..	1	1	s06
....uuaggCuuggaguuccag...	1	1	s06
....uuagguuuggaguuccag...	1	0	s06
....uuagguuuggaguuccagu..	4	0	s06
....uuagguuuggaguuccagA..	1	1	s06
....uuagguuuggaguuccaguA...	1	1	s06
....Cuagguuuggaguuccagug...	1	1	s06
....uuagguuuggaguuccagug...	2	0	s06
....uuagguuuggaguuccGguga..	1	1	s06
....uuagguAuggaguuccaguga..	1	1	s06
....uuagguuuggaguuccaguga..	29	0	s06
....uuagguuuggaguuccagugU..	3	1	s06
....uuagguuuggagCuccaguga..	1	1	s06
....uuagguuuggaguuccagugau...	3	0	s06
....uuagguuuggaguuccagugauA..	1	1	s06
....uuagguuuggaguuccagugauu..	4	0	s06
....uagguuuggaguuccagC..	2	1	s06
....uagguuuggaguuccagA..	3	1	s06
....uagguuuggaguuccagu..	29	0	s06
....uagguuuggaguuccaguU...	3	1	s06
....uagguuuggaguuccGgug...	1	1	s06
....uagguuuggaguGccagug...	1	1	s06
....uagguuuggaguuccaguA...	1	1	s06
....uagguuuggaguuccagug...	22	0	s06
uGgguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccgauugcaauaggagagacu	2	1	s06
....uagguuuggaAuuccaguga...	1	1	s06

guuggaggaagaaggaccacagucugcgaguagggaauuaggguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu

Sequence	Count	S	Sample
uaggguuugUaguuccaguga	1	1	s06
uCgguuuggaguuccaguga	1	1	s06
uagguuuggaguuccaguUa	1	1	s06
uagguuuggaguuUcaguga	1	1	s06
Cagguuuggaguuccaguga	2	1	s06
uaggCuuggaguuccaguga	1	1	s06
uagguuuggaguGccaguga	1	1	s06
uagguuAggaguuccaguga	2	1	s06
uagguuuggaguuccagugG	6	1	s06
uUgguuuggaguuccaguga	1	1	s06
uagguuuggaguuccagugC	2	1	s06
uagguuuggaguuAcaguga	1	1	s06
uagguuuggaguuccaguCa	1	1	s06
uagguuuggaguucCGguga	2	1	s06
uagguuuggagGuccaguga	1	1	s06
uagguuuggaguuccaUuga	2	1	s06
uagguuuggaguuccagGga	5	1	s06
uagguuuggaguuccaguga	351	0	s06
uagguuuggGguuccaguga	2	1	s06
uagguuuggaguuccagugU	17	1	s06
uagguuuggaguuccagugaG	2	1	s06
uagguuuggaguuccagugGu	2	1	s06
uagguuuggaguuccagugau	24	0	s06
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uagguuuggaguCccagugau	1	1	s06
uagguuuggaguuccagugauu	17	0	s06
uagguuuggGguuccagugauu	1	1	s06
uagguuuggaguuccagugauC	4	1	s06
uagguuuggaguuccagCgauuu	1	1	s06
uagguuuggaguuccagugauuu	4	0	s06
uagguuuggaguuccagugauAu	1	1	s06
uagguuuggaguuccagugauuua	2	0	s06
uagguuuggaguuccagugauuuU	4	1	s06
uagguuuggaguuccagugauuuacu	10	0	s06
uagguuuggaguuccagugauuuacucacu	9	0	s06
uagguuuggaguuccagugauuuacucacC	4	1	s06
uagguuuggaguuccagugauuuacucacG	1	1	s06
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agugauuuacucacuggacuccaaaccuga	1	0	s06
gauuuacucacuggacuccaaaccugau	3	0	s06
acuggacuccaaaccugau	1	0	s06
acuggacuccaaaccugauC	1	1	s06
acuggacuccaaaccugauA	2	1	s06
acuggacuccaaacAugauu	1	1	s06
acuggacuccaaaccugauG	2	1	s06
acuggacuccaaaccugauu	29	0	s06
acuggacGccaaaccugauu	1	1	s06
acuggacuccaaaccugauuA	2	1	s06
aGuggacuccaaaccugauuu	1	1	s06
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acuggacuccaaaccugauuu	3	0	s06
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acuggacuccaaaccugauuuAc	1	1	s06
acuggacuccaaaccugauuucc	20	0	s06
acuggacuccaaaccugauuucU	4	1	s06
acuggacuccaaaccugauuuccA	2	1	s06
cuggacuccaaaccugauuuc	4	0	s06
cuggacuccaaaccugauuucA	1	1	s06
cuggacuccaaaccugauuucU	1	1	s06
uggacuccaaaccugau	1	0	s06
uggacuccaaaccugauAu	1	1	s06
cacagucugcgaguagggaau	6	0	s09
gaauuagguuuggaguucca	1	0	s09
gaauuagguuuggaguuccagu	1	0	s09
gaauuagguuuggaguuccaguga	5	0	s09
gaauuagguuuggaguUcaguga	1	1	s09
aauuagguuuggaguuccaguga	7	0	s09
aauuagguuuggaguuccagugU	2	1	s09

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guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu
..............................................auuagguuuggaguuccagu......................................................  1    0    s09
..............................................auuagguuuggaguuccaguga....................................................  4    0    s09
..............................................uuagguuuggaguuccag.......................................................  2    0    s09
..............................................uuagguuuggaguuccagu......................................................  1    0    s09
..............................................uuagguuuggaguuccagug.....................................................  7    0    s09
..............................................uuagguuuggaguuccaguA.....................................................  2    1    s09
..............................................uuagguuuggaguuccagugG....................................................  2    1    s09
..............................................uuagguAuggaguuccaguga....................................................  1    1    s09
..............................................uuagguuuggagAuccaguga....................................................  1    1    s09
..............................................uuagguuuggaguuccagugU....................................................  1    1    s09
..............................................uuagguuuggagCuccaguga....................................................  2    1    s09
..............................................uuagguuuggaguuccaguga....................................................  34   0    s09
..............................................uuagguuuggaguuccagugaC...................................................  2    1    s09
..............................................uagguuuggaguuccagA.......................................................  4    1    s09
..............................................uagguuuggaguuccagC.......................................................  5    1    s09
..............................................uagguuuggaguuccagu.......................................................  39   0    s09
..............................................uagAuuuggaguuccagu.......................................................  2    1    s09
..............................................uagguuuggagAuccagu.......................................................  1    1    s09
..............................................uagguuuggaguuccagug......................................................  40   0    s09
..............................................uagguuuggaguuccGgug......................................................  1    1    s09
..............................................uagguuuggaguuccagAg......................................................  2    1    s09
..............................................uagguuuggaguuccaguU......................................................  3    1    s09
..............................................Aagguuuggaguuccagug......................................................  2    1    s09
..............................................uagguuuggaguuccaguA......................................................  3    1    s09
..............................................uagguuuggaguCccaguga.....................................................  5    1    s09
..............................................uagguuuggCguuccaguga.....................................................  1    1    s09
..............................................Cagguuuggaguuccaguga.....................................................  5    1    s09
..............................................uagguuuggaguuGcaguga.....................................................  2    1    s09
..............................................uagguuuggaguccGguga......................................................  8    1    s09
..............................................uagguuuggagGuccaguga.....................................................  1    1    s09
..............................................uagguuuggaguuccaguUa.....................................................  3    1    s09
..............................................uagguuuggaguccCguga......................................................  1    1    s09
..............................................uagUuuuggaguuccaguga.....................................................  1    1    s09
..............................................uagguuuggaguuccaCuga.....................................................  1    1    s09
..............................................uagguuAggaguuccaguga.....................................................  1    1    s09
..............................................uagguuuggaguuccagugG.....................................................  20   1    s09
..............................................uagguCuggaguuccaguga.....................................................  4    1    s09
..............................................uagguuuggaguuccagCga.....................................................  3    1    s09
..............................................uagguuuggaguuAcaguga.....................................................  2    1    s09
..............................................uagguuCggaguuccaguga.....................................................  2    1    s09
..............................................uagguuuggUguuccaguga.....................................................  2    1    s09
..............................................uagguuuUgaguuccaguga.....................................................  1    1    s09
..............................................uagguuuggGguuccaguga.....................................................  5    1    s09
..............................................uGgguuuggaguuccaguga.....................................................  2    1    s09
..............................................uagguuuggaguuccagGga.....................................................  6    1    s09
..............................................uagguuuggaguuccagugU.....................................................  33   1    s09
..............................................uagguuuggaguucUaguga.....................................................  2    1    s09
..............................................Aagguuuggaguuccaguga.....................................................  1    1    s09
..............................................uagguuuggaguuccaguga.....................................................  674  0    s09
..............................................Gagguuuggaguuccaguga.....................................................  1    1    s09
..............................................uagguuuggaguuccaAuga.....................................................  1    1    s09
..............................................uagguuuggaguuccagugC.....................................................  2    1    s09
..............................................uagguuuAgaguuccaguga.....................................................  3    1    s09
..............................................uagguuuAaguuccaguga......................................................  2    1    s09
..............................................uagguuuggaguuccagugau....................................................  17   0    s09
..............................................uagguuuggaguuccagugaC...................................................  1    1    s09
..............................................uagguuuggaguuccagugaA...................................................  2    1    s09
..............................................uagguCuggaguuccagugau....................................................  2    1    s09
..............................................uagguuuggaguuccagugauu...................................................  6    0    s09
..............................................uagguuuggaguuccagugauuC..................................................  1    1    s09
..............................................uagguuuggaguuccagugauuu..................................................  6    0    s09
..............................................uagguuuggaguuccagugauuua.................................................  1    0    s09
..............................................uagguuuggaguuccagugauuuacC...............................................  1    1    s09
..............................................uagguuuggaguuccagugauuuacu...............................................  6    0    s09
..............................................uagguuuggaguuccagugauuGacu...............................................  1    1    s09
..............................................uagguuuggaguuccagugauuuGcucacu...........................................  1    1    s09
..............................................uagguuuggaguuccagugauuuacucacA...........................................  1    1    s09
..............................................uagguuuggaguuccagugauuuacucacu...........................................  50   0    s09
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuAgaguuccagugauuuacucacu.....................................................  1    1    s09
.................................................agguuuggaguuccaguga....................................................  3    0    s09
```

Mature   **Star**

guuggaggaagaaggaccacagucugcgaguagggaauuaggguuggaguuccagugauuuacucacuggacuccaaaccgauuccugauugcaauaggagagacu

Sequence	Count	Star	ID
....gauuuacucacuggacuccaaaccugau.......................	1	0	s09
....acucacugAacuccaaaccu...........................	1	1	s09
....acucacugAacuccaaaccuga.........................	1	1	s09
....acuggacuccaaaccugauu......................	8	0	s09
....acuggacuccaaaccugauA......................	1	1	s09
....acuggacuccaaaccugauuA.....................	1	1	s09
....acuggacuccaaaccugauuu.....................	2	0	s09
....acuggacuccaaacAugauuuc....................	3	1	s09
....acuggacuccaaaccugauuuc....................	1	0	s09
....acuggacuccaaaccugauuucc...................	4	0	s09
....acuggacuccaaacAugauuucc...................	1	1	s09
....cuggacuccaaaccugauuucA..................	1	1	s09
....cuggacuccaaaccugauuucAu.................	1	1	s09
....uggacuccaaaccugauuucc.................	1	0	s09
................cacagucugcgaguagggaaC..	1	1	s07
................cacagucugcgaguagggaau..	8	0	s07
.................acagucugcgaguagggaau...	2	0	s07
.................acagucugcgaguagggaaC...	1	1	s07
..................cagucugcgGguagggaau...	2	1	s07
..................cagucugcgaguagggaaC...	3	1	s07
..................cagucugcgaguagggaau...	3	0	s07
...................agucugcgaguagggaau...	1	0	s07
...........................gaauuagguuuggaguuc...................................	1	0	s07
...........................gaauuagguuuggaguucc..................................	2	0	s07
...........................gaauuagguuuggaguuccaU................................	4	1	s07
...........................gaauuagguuuggaguuccaUu...............................	2	1	s07
...........................gaauuagguuuggaguuccagC...............................	1	1	s07
...........................gaauuagguuuggaguuccagu...............................	3	0	s07
...........................gaauuagguuuggaguuccaguga.............................	2	0	s07
............................aauuagguuuggaguucca................................	1	0	s07
............................aauuagguuuggaguuccagug.............................	2	0	s07
............................aauuagguuuggaguuccaguga...........................	2	0	s07
............................aauuagguuuggaguuccagugU...........................	1	1	s07
.............................auuagguuuggaguuccaguA............................	1	1	s07
.............................auuagguuuggaguuccaguga..........................	2	0	s07
..............................uuagguuuggaguuccag.............................	8	0	s07
..............................uuagguuuggaguuccGg.............................	1	1	s07
..............................uuagguuuggaguuccagA............................	2	1	s07
..............................uuagguuuggaguuccaguU..........................	1	1	s07
..............................uuagguuugCaguuccaguga.........................	1	1	s07
..............................uuagguuuggaguuccagugC.........................	2	1	s07
..............................uuagguuuggaguuccagGga........................	1	1	s07
..............................uuagguuuggaguuccaguga........................	9	0	s07
..............................uuagguuuggaguuccagugau......................	3	0	s07
...............................uagguuuggaguCccagu..........................	1	1	s07
...............................uaggCuuggaguuccagu.........................	1	1	s07
...............................uGgguuuggaguuccagu.........................	1	1	s07
...............................uagguuuggaguuccagC.........................	19	1	s07
...............................uagguuuggaguuccagA.........................	9	1	s07
...............................Aagguuuggaguuccagu.........................	4	1	s07
...............................uagguuuggaguuccagu.........................	118	0	s07
...............................uagguCuggaguuccagu.........................	1	1	s07
...............................uagguuuggaguuccagG.........................	4	1	s07
...............................uagguuuggaguuccaUu.........................	2	1	s07
...............................uagguuuggagCuccagu.........................	1	1	s07
...............................uagguuuggaguuccagCg........................	1	1	s07
...............................uagguuuggaguuccagug........................	56	0	s07
...............................uagguuuggaguuccaguA........................	43	1	s07
...............................uagguuuggaguuccaguC........................	1	1	s07
...............................uagguuuggaguuccaguU........................	2	1	s07
...............................uagguuuggaguuccagGg........................	1	1	s07
...............................uagguuuggaguuccagGga.......................	4	1	s07
...............................uagguuuggaguuccaguga.......................	415	0	s07
...............................Aagguuuggaguuccaguga.......................	7	1	s07
...............................uaggCuuggaguuccaguga.......................	4	1	s07
...............................uagguuuggagAuccaguga.......................	1	1	s07
...............................uagguuugAaguuccaguga.......................	1	1	s07
...............................uagguuuggUguuccagugauuuacucacuggacuccaaaccgauuuccgauugcaauaggagagacu	1	1	s07
...............................uagguuuggagGuccaguga.......................	2	1	s07

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
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Sequence	Count	Flag	Sample
....uagguuuggaguuccagugG..	15	1	s07
....uagguuuggaguuGcaguga..	1	1	s07
....uagguuuggagCuccaguga..	1	1	s07
....uagguuuggGguuccaguga..	3	1	s07
....uagguuuggaguuccaguCa..	1	1	s07
....uagguuuggaguuccaUuga..	1	1	s07
....uagAuuuggaguuccaguga..	1	1	s07
....uagguuuCggaguuccaguga...	1	1	s07
....uagguuuggaguAccaguga..	1	1	s07
....uagguuuggaguuccaAuga..	1	1	s07
....uagguuuggaguuccagCga..	2	1	s07
....uagguuuggaguuccagugU..	29	1	s07
....uagguuuggaguGccaguga..	1	1	s07
....uagguuuggaguuccagugC..	2	1	s07
....uaAguuuggaguuccaguga..	2	1	s07
....uagguuuggaguuccagugau..	37	0	s07
....uGgguuuggaguuccagugau..	1	1	s07
....uagguuuggaguAccagugau..	1	1	s07
....uagguuuggaguuccagugaA..	1	1	s07
....uagguuuggaguuccagugaC..	3	1	s07
....uagguuuggaguuccagugauu.......................................	7	0	s07
....uagguuuggaguuccagugauC.......................................	3	1	s07
....uagguuuggaguuccagugauA.......................................	2	1	s07
....uagguuuggaguuccagugaGu.......................................	1	1	s07
....uagguuuggaguuccagugGuuu......................................	1	1	s07
....uagguuuggaguuccagugauuu......................................	1	0	s07
....uagguuuggaguuccagugauuC......................................	1	1	s07
....uagguuuggaguuccagugauuuacucacu..............................	1	0	s07
....acucacugAacuccaaaccug..........................	1	1	s07
....acucacugAacuccaaaccuga.........................	2	1	s07
....cucacugAacuccaaaccu...........................	1	1	s07
....cucacugAacuccaaaccug..........................	2	1	s07
....cucacugAacuccaaaccuga.........................	2	1	s07
....cacuggacuccaaaccuga.........................	1	0	s07
....Aacuggacuccaaaccugauu.......................	1	1	s07
....acuggacuccaaaccugC...........................	2	1	s07
....acuggacuccaaaccuga...........................	13	0	s07
....acuggacuccaaaccugau..........................	3	0	s07
....acuggacuccaaaccugaG..........................	1	1	s07
....acuggacuccaaaccugaC..........................	5	1	s07
....acuggacuccaaaccugauA.........................	10	1	s07
....acuggacuccaaaccugauu.........................	48	0	s07
....acuggacuccaaaccugauG.........................	1	1	s07
....acuggacuccaaaccugaCu.........................	8	1	s07
....acuggacuccaaaAcugauu.........................	1	1	s07
....acuggacCccaaaccugauu.........................	1	1	s07
....acuggacuccaaaccugauC.........................	4	1	s07
....Gcuggacuccaaaccugauu.........................	2	1	s07
....acuggacuccaaacAugauu.........................	2	1	s07
....acuggacuccaaacAugauuu........................	3	1	s07
....acuggacuccaaaccugauuA........................	3	1	s07
....acuggacuccaaaccugauuuA.......................	1	1	s07
....acuggacuccaaaccugauuuU.......................	2	1	s07
....acuggacuccaaacAugauuuc.......................	1	1	s07
....acuggacuccaaaccugauuucc......................	3	0	s07
....acuggacuccaaaccugauuuccA.....................	4	1	s07
....cuggacuccaaaccugauuAc......................	1	1	s07
....cuggacuccaaaccugauuuA......................	1	1	s07
....cuggacuccaaaccugauuucc.....................	2	0	s07
....cuggacuccaaaccugauuucA.....................	1	1	s07
....cuggacuccaaaccugauuuccA....................	2	1	s07
....uggacuccaaaccugauu......................	1	0	s07
....uggacuccaaaccugauA......................	1	1	s07
....uggacuccaaaccugauAu.....................	2	1	s07
....uggacuccaaaccugauuucc....................	1	0	s07
...............cacagucugcgaguagggaau..	2	0	s08
...............acagucuAcgaguagggaau...	1	1	s08
guuggaggaagaaggaccacagucugcgaguagggaau...	3	0	s08
...............................gaauuagguuuggaguuccaguga..	6	0	s08
```

Reference sequence (top):

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
```

Column labels: **Mature** (red)   **Star** (purple)

Read	Count	Flag	Sample
aauuagguuuggaguucc	1	0	s08
aauuagguuuggaguucU	1	1	s08
aauuagguuuggaguuccagu	1	0	s08
aauuagguuuggaguuccagug	1	0	s08
aauuagguuuggaguuccaguga	6	0	s08
aauuagguuGgaguuccaguga	2	1	s08
aauuagguuuggaguuccagCga	1	1	s08
aauuagguuuggaguuccagugU	1	1	s08
aauuaggAuuggaguuccaguga	1	1	s08
.auuagguuuggaguuccaguga	2	0	s08
uuuagguuuggaguuccag	1	0	s08
Cuagguuuggaguuccagug	1	1	s08
uuagguuuggaguuccagug	3	0	s08
uuagguuuggaguuccaguga	19	0	s08
uuagguuuggaguuccagugaA	2	1	s08
uagguuuggaguuccagG	1	1	s08
uagguuuggaguuccagu	63	0	s08
uagguuuggaguuccagA	1	1	s08
uagguuAggaguuccagu	1	1	s08
uagguuuggaguuccaUu	4	1	s08
uagguuuggaguuccagC	7	1	s08
uagguuuggaguuccaguA	2	1	s08
uagguuuggaguuccaguC	5	1	s08
uagguuuggaguuccagug	22	0	s08
uagguuuggaguuccaguU	1	1	s08
uagguuuggUguuccaguga	1	1	s08
uagguuuggaguuccagugG	9	1	s08
uagguuCggaguuccaguga	5	1	s08
uagguuuggaguGcaguga	2	1	s08
Cagguuuggaguuccaguga	2	1	s08
uagguuuggaguccGguga	5	1	s08
uagguuAggaguuccaguga	3	1	s08
uGgguuuggaguuccaguga	3	1	s08
uagguuuggaguuccagGga	3	1	s08
uagguuuggaguCccaguga	2	1	s08
uagguuuggaguuccaguga	525	0	s08
uagguuuggagCuccaguga	2	1	s08
uagguuuggaguuccaAuga	1	1	s08
uagguuuggaguuccagCga	2	1	s08
uagguuuggagGuccaguga	1	1	s08
uagAuuggaguuccaguga	1	1	s08
uagguuuggGguuccaguga	2	1	s08
uagguuGggaguuccaguga	1	1	s08
uagguuuggaguuccagugU	36	1	s08
uagguuuggCguuccaguga	1	1	s08
Aagguuuggaguuccaguga	4	1	s08
uagguuuggaguuAcaguga	1	1	s08
uagguuuAgaguuccaguga	3	1	s08
uagguuuggaguuccagugC	5	1	s08
uaggCuuggaguuccagugau	1	1	s08
uagguuuggaguuccagugaA	3	1	s08
uagguuuggaguuccagugGu	4	1	s08
uagguuuggaguuccagugau	12	0	s08
uagguuuggaguGccagugau	1	1	s08
uagguuuggaguuccagugaC	1	1	s08
uagguuuggagCuccagugauu	1	1	s08
uagguuuggaguuccagugauu	2	0	s08
uagguuuggaguuccagugauuua	1	0	s08
uagguuuggaguuccagugauuuacucacu	6	0	s08
agguuuggaguuccaguga	1	0	s08
gauuuacucacuggacuccaaaccugau	11	0	s08
gauuuacucacuggacuccaaaccugauu	2	0	s08
acucacugAacuccaaaccug	1	1	s08
acuggacuccaaaccugau	3	0	s08
acuggacuccaaaccugauu	19	0	s08
acuggacuccaaaccugauC	2	1	s08
acAggacuccaaaccugauu	1	1	s08
acuggacuccaaaccugauuuc	1	0	s08
acuggacuccaaaccugauuucU	2	1	s08
acuggacuccGaaccugauuucc	2	1	s08

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
```

....acuggacuccaaaccugauuucc....................	6	0	s08
....acuggacuccaaaccugGuuucc....................	1	1	s08
....acuggacuccaaaccugauuucA....................	1	1	s08
....acuggacuccaaaccugauuuccu...................	1	0	s08
....cuggacuccaaaccugauuuc.....................	5	0	s08
....cuggacuccaaaccugauuucc....................	4	0	s08
....cuggacuccaaaccugauuucU....................	1	1	s08
....cuggacuccaaaccugauuuccuA..................	1	1	s08
....uggacuccaaaccugauuucc.....................	1	0	s08
....................aauuagguuuggaguucU..	1	1	s04
....................aauuagguuuggaguuccaguga.......................................	1	0	s04
......................uuagguuuggaguuccaguga.......................................	2	0	s04
.......................uagguuuggaguuccagu..	1	0	s04
.......................uagguuuggaguuccGgu..	1	1	s04
.......................uagguuuggaguuccagug.......................................	9	0	s04
.......................uagguuuggaguuccagugU......................................	1	1	s04
.......................uagguuuggaguuccaguga.....................................	28	0	s04
.......................uagguuuggGguuccaguga.....................................	1	1	s04
.......................uagguuuggaguuccagGga....................................	1	1	s04
.......................uagguuuggaguuccagugaC....................................	1	1	s04
.......................uagguuuggGguuccagugau...................................	1	1	s04
.......................uagguuuggaguuccagugauu...................................	3	0	s04
.......................uagguuuggaguuccagugauuuacucacC...........................	2	1	s04
.......................uagguuuggaguuccagugauuuacucacu...........................	3	0	s04
....acuggacuccaaaccugauu......................	1	0	s04

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
```