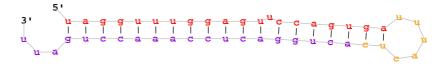Provisional ID   : chromosome_4_131807
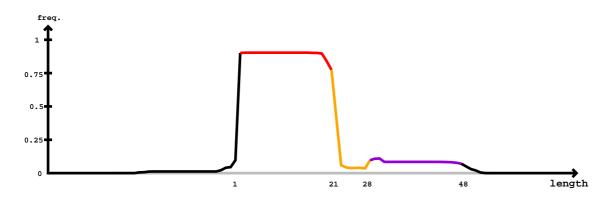Score total   :   6722.7
Score for star read(s) :   3.9
Score for read counts :   6715
Score for mfe   :   2.2
Score for randfold   :   1.6
Score for cons. seed :
Total read count   : 13183
Mature read count   : 12108
Loop read count   :   0
Star read count   :   1075

Mature   **Star**

```
5'- guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu  -3'     obs
    guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu          exp
    ......((.........))..(((((((((.(((((((((((((((((((((.((((((.....))))))))))))))))))))))))).))))........)))))     reads     mm      sample
    ................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
    ...........................aauuagguuuggaguuccaguga...........................................                 6        0        s16
    ...........................aauuagguuuggaguuccagugU...........................................                 1        1        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
    ..............................uagguuuggaguuccagA..........................................                 2        1        s16
    ..............................uagguuuggaguuccagu..........................................                25        0        s16
    ..............................uagguuuggaguuccCgu..........................................                 1        1        s16
    ..............................uagguuuggaguuccagC..........................................                 2        1        s16
    ..............................uagguuuggaguuccaguA.........................................                 2        1        s16
    ..............................uagguuuggaguuccagug.........................................                38        0        s16
    ..............................uagguuuggaguuccGgug........................................                 1        1        s16
    ..............................uagguuuggaguuccaguU........................................                 1        1        s16
    ..............................uagguuuggaguCccagug........................................                 1        1        s16
    ..............................uagguuuggaguucAaguga.......................................                 2        1        s16
    .............................Aagguuuggaguuccaguga........................................                 4        1        s16
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu

.............................................uagAuuuggaguuccaguga.........................................   1    1    s16
.............................................Cagguuuggaguuccaguga.........................................   1    1    s16
.............................................uagguuGggaguuccaguga.........................................   1    1    s16
.............................................uagguuuggaguuccagGga.........................................   7    1    s16
.............................................uagguuuggaguucUaguga.........................................   3    1    s16
.............................................uGgguuuggaguuccaguga.........................................   4    1    s16
.............................................uagguuuggaguccUguga.........................................   1    1    s16
.............................................uagguuuggaguucGaguga.........................................   3    1    s16
.............................................uagguuuggUguuccaguga.........................................   1    1    s16
.............................................uagguuuggaguCccaguga.........................................   1    1    s16
.............................................uagguuuggaguuccagugU.........................................  19    1    s16
.............................................uagguuuggaguuccagugG.........................................   7    1    s16
.............................................uagguuAggaguuccaguga.........................................   1    1    s16
.............................................uagguuuggaguucCguga.........................................   6    1    s16
.............................................uagguuuggaguuGcaguga.........................................   1    1    s16
.............................................uagguuuggaguuccaUuga.........................................   2    1    s16
.............................................uagguuuUgaguuccaguga.........................................   1    1    s16
.............................................uagguuugAaguuccaguga.........................................   1    1    s16
.............................................uagguuuggaguUcaguga.........................................   1    1    s16
.............................................uagguuuggaguAcaguga.........................................   2    1    s16
.............................................uagguuuggaAuuccaguga.........................................   1    1    s16
.............................................uagguuuggaguuccaguga......................................... 336    0    s16
.............................................uagguuuggaguuccagugau........................................  35    0    s16
.............................................uagguuuggaguuccagugaC........................................   2    1    s16
.............................................Gagguuuggaguuccagugau........................................   1    1    s16
.............................................uagguuuggaguuccagugaA........................................   2    1    s16
.............................................uagguuuggaguuccagugauu.......................................   7    0    s16
.............................................uagguuuggaguuccagugauA.......................................   3    1    s16
.............................................uagguuuggaguuccagugauC.......................................   1    1    s16
.............................................uaAguuuggaguuccagugauu.......................................   2    1    s16
.............................................uagguuuggaguuccagCgauuu......................................   1    1    s16
.............................................uagguuCggaguuccagugauuu......................................   1    1    s16
.............................................uagguuAggaguuccagugauuu......................................   1    1    s16
.............................................Aagguuuggaguuccagugauuu......................................   2    1    s16
.............................................uagguuuggaguuccagugauuC......................................   3    1    s16
.............................................uagguuuggaguuccagugauuu......................................  16    0    s16
.............................................uagguuuggaguuccagugauuua.....................................   1    0    s16
.............................................uagguuuggaguuccagugauuuac....................................   2    0    s16
.............................................uagguuuggaguuccagugauuuacC...................................   1    1    s16
.............................................uagguuuggaguuccagugauuuacu...................................   2    0    s16
.............................................uagguuuggaguuccagugauuuacuc..................................   1    0    s16
.............................................uagguuuggaguuccagugauuuacucacC...............................   1    1    s16
.............................................uagguuuggaguuccagugauuuacucacu...............................  30    0    s16
.............................................agguuuggaguuccaguga.........................................   2    0    s16
.............................................agguuuggaguuccagugau........................................   1    0    s16
..........................................................gauuuacucuggacuccaaaccugGu.....................   1    1    s16
.........................................................gauuuacucacuAgacuccaaaccugau....................   1    1    s16
.........................................................acucacugAacuccaaaccuga..........................   1    1    s16
........................................................cucacugAacuccaaaccug............................   1    1    s16
........................................................acuggacuccaaaccugauu.............................  18    0    s16
........................................................acuggacuccaaaccugaCu.............................   3    1    s16
........................................................acuggacuccaaaccugauC.............................   2    1    s16
........................................................Gcuggacuccaaaccugauu.............................   2    1    s16
........................................................acuggacuccaaaccugUuu.............................   1    1    s16
........................................................acuggacuccaaaccugauAu............................   1    1    s16
........................................................acuggacuccaaaccugauuA............................   2    1    s16
........................................................acuggacuccaaacAugauuu............................   1    1    s16
........................................................acuggacuccaaaccugauuu............................   2    0    s16
........................................................acuggacuccaaaccugauuuA...........................   3    1    s16
........................................................acuggacuccaaaccugauuuc...........................   7    0    s16
........................................................acuggacuccaaaccugauuuU...........................   1    1    s16
........................................................acuggacuccaaaccugauuAc...........................   1    1    s16
........................................................acuggacuccaaaccugauuucA..........................   1    1    s16
........................................................acuggacuccaaaccugauuucc..........................   9    0    s16
........................................................acuggacuccaaaccugauuucU..........................   4    1    s16
.........................................................cuggacuccaaaccugauuuc...........................   5    0    s16
.........................................................cuggacuccaaaccugauuuAc..........................   1    1    s16
.........................................................cuggacuccaaaccugauuucU..........................   1    1    s16
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacuccuggacuccaaaccugauuucA..................   1    1    s16
.........................................................cuggacuccaaaccugauuuccu.........................   1    0    s16
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuaggguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu
```

```
...................cacagucugcgaguagggaau.............................................................  1      0      s06
.................cagucugcgaguagggaau.................................................................  1      0      s06
................aguGugcgaguagggaau...................................................................  1      1      s06
.........................gaauuaggguuuggaguuccagu....................................................  1      0      s06
.........................gaauuaggguuuggaguuccagug...................................................  1      0      s06
.........................gaauuaggguuuggaguuccaguga..................................................  6      0      s06
........................aauuaggguuuggaguucU.........................................................  1      1      s06
........................aauuaggguuuggaguuccag.......................................................  2      0      s06
........................aauuaggguuuggaguuccagug.....................................................  1      0      s06
........................aauuaggguuuggaguuccaguU.....................................................  1      1      s06
........................aauuaggguuuggaguAccaguga....................................................  1      1      s06
........................aauuaggguuuggaguuccaguga....................................................  6      0      s06
........................Cauuaggguuuggaguuccaguga....................................................  1      1      s06
........................aauuaggguuuggaguuccagCga....................................................  1      1      s06
........................aauuaggguuuggaguuccagugau...................................................  2      0      s06
........................aauuaggguuuggaguuccagugauA..................................................  1      1      s06
.......................auCagguuuggaguuccaguga.......................................................  1      1      s06
........................auuaggguuuggaguucAaguga.....................................................  1      1      s06
........................auuaggguuuggaguuccaguga.....................................................  4      0      s06
.......................uuaggCuuggaguuccag...........................................................  1      1      s06
.......................uuaggguuuggaguuccag..........................................................  1      0      s06
.......................uuaggguuuggaguuccagu.........................................................  4      0      s06
.......................uuaggguuuggaguuccagA.........................................................  1      1      s06
.......................uuaggguuuggaguuccagug........................................................  2      0      s06
.......................uuaggguuuggaguuccaguA........................................................  1      1      s06
......................Cuaggguuuggaguuccagug.........................................................  1      1      s06
.......................uuaggguuuggagCuccaguga.......................................................  1      1      s06
.......................uuaggguuuggaguuccagugU.......................................................  3      1      s06
.......................uuaggguuuggaguuccaguga.......................................................  29     0      s06
.......................uuaggguuuggaguuccGguga.......................................................  1      1      s06
.......................uuagguAuggaguuccaguga........................................................  1      1      s06
.......................uuaggguuuggaguuccagugau......................................................  3      0      s06
.......................uuaggguuuggaguuccagugauu.....................................................  4      0      s06
.......................uuaggguuuggaguuccagugauA.....................................................  1      1      s06
......................uaggguuuggaguuccagC...........................................................  2      1      s06
......................uaggguuuggaguuccagA...........................................................  3      1      s06
......................uaggguuuggaguuccagu...........................................................  29     0      s06
......................uaggguuuggaguuccagug..........................................................  22     0      s06
......................uaggguuuggaguuccaguU..........................................................  3      1      s06
......................uaggguuuggaguGccagug..........................................................  1      1      s06
......................uaggguuuggaguccGgug...........................................................  1      1      s06
......................uaggguuuggaguuccaguA..........................................................  1      1      s06
......................uagguuuggaguuUcaguga..........................................................  1      1      s06
......................uaggguuuggaguuccaguga.........................................................  351    0      s06
......................uaggguuuggaguGccaguga.........................................................  1      1      s06
......................uGgguuuggaguuccaguga..........................................................  2      1      s06
......................uaggguuuggagGuccaguga.........................................................  1      1      s06
......................uaggguuuggGguuccaguga.........................................................  2      1      s06
......................uaggguuuggaguuccaguCa.........................................................  1      1      s06
......................uagguuAggaguuccaguga..........................................................  2      1      s06
......................uaggguuuggaguuccagGga.........................................................  5      1      s06
......................uaggguuuggaAuuccaguga.........................................................  1      1      s06
......................uCgguuuggaguuccaguga..........................................................  1      1      s06
......................uaggguuuggaguuccagugC.........................................................  2      1      s06
......................Cagguuuggaguuccaguga..........................................................  2      1      s06
......................uaggCuuggaguuccaguga..........................................................  1      1      s06
......................uaggguuuggaguucGguga..........................................................  2      1      s06
......................uaggguuuUaguuccaguga..........................................................  1      1      s06
......................uaggguuuggaguuccagugU.........................................................  17     1      s06
......................uaggguuuggaguuAcaguga.........................................................  1      1      s06
......................uaggguuuggaguuccagugG.........................................................  6      1      s06
......................uaggguuuggaguuccaUuga.........................................................  2      1      s06
......................uaggguuuggaguuccaguUa.........................................................  1      1      s06
......................uUgguuuggaguuccaguga..........................................................  1      1      s06
......................uaggguuuggaguCccagugau........................................................  1      1      s06
......................uaggguuuggaguuccagugGu........................................................  2      1      s06
......................uagguuuggaguuccagugau.........................................................  24     0      s06
guuggaggaagaaggaccacagucugcgaguagggaauuAaggguuuggaguuccagugau...cucacuggacuccaaaccugauuccugauugcaauaggagagacu  1      1      s06
......................uaggguuuggaguuccagugaG........................................................  2      1      s06
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu
.............................................uagguuuggaguuccagugauC..........................................    4     1     s06
.............................................uagguuuggaguuccagugauu..........................................   17     0     s06
.............................................uagguuuggGguuccagugauu..........................................    1     1     s06
.............................................uagguuuggaguuccagugauAu.........................................    1     1     s06
.............................................uagguuuggaguuccagugauuu.........................................    4     0     s06
.............................................uagguuuggaguuccagCgauuu.........................................    1     1     s06
.............................................uagguuuggaguuccagugauuua........................................    2     0     s06
.............................................uagguuuggaguuccagugauuuU........................................    4     1     s06
.............................................uagguuuggaguuccagugauuuacu......................................   10     0     s06
.............................................uagguuuggaguuccagugauuuacucacG..................................    1     1     s06
.............................................uagguuuggaguuccagugauuuacucacC..................................    4     1     s06
.............................................uagguuuggaguuccagugauuuacucacu..................................    9     0     s06
.............................................agguuuggaguuccaguga.............................................    1     0     s06
...................................................agugauuuacucacuggacuccaaaccuga...........................    1     0     s06
..................................................gauuuacucacuggacuccaaaccugau.............................    3     0     s06
..................................................acuggacuccaaaccugau........................................    1     0     s06
..................................................acuggacGccaaaccugauu.......................................    1     1     s06
..................................................acuggacuccaaaccugauG.......................................    2     1     s06
..................................................acuggacuccaaaccugauC.......................................    1     1     s06
..................................................acuggacuccaaaccugauu.......................................   29     0     s06
..................................................acuggacuccaaaccugauA.......................................    2     1     s06
..................................................acuggacuccaaacAugauu.......................................    1     1     s06
..................................................acuggacuccaaaccugauuC......................................    2     1     s06
..................................................acuggacuccaaaccugauuu......................................    3     0     s06
..................................................acuggacuccaaaccugauuA......................................    2     1     s06
..................................................aGuggacuccaaaccugauuu......................................    1     1     s06
..................................................acuggacuccaaaccugauuuc.....................................    7     0     s06
..................................................acuggacuccaaaccugauuuU.....................................    1     1     s06
..................................................acuggacuccaaaccugauuucc....................................   20     0     s06
..................................................acuggacuccaaaccugauuuAc....................................    1     1     s06
..................................................acuggacuccaaaccugauuucU....................................    4     1     s06
..................................................acuggacuccaaaccugauuuccA...................................    2     1     s06
...................................................cuggacuccaaaccugauuuc.....................................    4     0     s06
...................................................cuggacuccaaaccugauuucU....................................    1     1     s06
...................................................cuggacuccaaaccugauuucA....................................    1     1     s06
....................................................uggacuccaaaccugauu.......................................    1     0     s06
....................................................uggacuccaaaccugauAu......................................    1     1     s06

....................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
.................................uuagguuuggaguuccagugU......................................................    3     1     s03
.................................uuagguuuggaguuccaguga......................................................   14     0     s03
.................................uuaggguuCggaguuccaguga.....................................................    1     1     s03
.................................uagguuuggaguuccagC.........................................................    2     1     s03
.................................uagguuuggaguuccagu.........................................................   13     0     s03
.................................Gagguuuggaguuccagug.......................................................    1     1     s03
.................................uagguuuggaguuccagCg.......................................................    1     1     s03
.................................uagguuuggaguuccaguA.......................................................    5     1     s03
.................................uagguuuggaguuccagug.......................................................   23     0     s03
.................................uagguuuggaguuccaguU.......................................................    1     1     s03
.................................Cagguuuggaguuccagug.......................................................    1     1     s03
.................................uagguuuggagCuccaguga......................................................    1     1     s03
.................................uagguuuggaguuccaguga......................................................  319     0     s03
.................................uagguuuggaguuccagGga......................................................    2     1     s03
.................................uagguuuggagAuccaguga......................................................    1     1     s03
.................................uagguuCggaguuccagugC......................................................    5     1     s03
.................................uagguuCggaguuccagugauuuacucacuggacuccaaaccugauu............................    1     1     s03
.................................uagguuuggaguuccagugU......................................................   13     1     s03
```

Mature   **Star**

```
guuggaggaagaaggaccacagucugcgaguagggaauuaagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu
```

Sequence	Count	Flag	ID
....uagguuuguUaguuccaguga..	1	1	s03
....uagguuuggaguuccaUuga..	1	1	s03
....uagguuuggaguuGcaguga..	1	1	s03
....uagguuuggaguuccaguUa..	1	1	s03
....uagguuuggaguuccagugG..	4	1	s03
....uagguuuggaguucAaguga..	1	1	s03
....uagguuugAaguuccaguga..	1	1	s03
....uGgguuuggaguuccaguga..	1	1	s03
....uagguuuggaguuccaAuga..	3	1	s03
....Aagguuuggaguuccaguga..	3	1	s03
....uagguCuggaguuccaguga..	3	1	s03
....uagguuuggaguuccagugaA..	1	1	s03
....uagguuuggaguuccagugau..	13	0	s03
....uagguuuggaguuccagugaC..	2	1	s03
....uagguuuggaguuccagugauuC..	2	1	s03
....uagguuuggaguuccagugauuA..	1	1	s03
....uagguuuggaguuccagugauuu..	2	0	s03
....uagguuuggaguuccagugauuuacu..	1	0	s03
....uagguuuggaguuccagugauuuacucU..	1	1	s03
....uagguuuggaguuccagugauuuacucacu..	3	0	s03
....uagguuuggaguuccagugaCuuacucacu..	2	1	s03
....agguuuggaguuccaguga..	1	0	s03
....agguuuggaguuccagugU..	1	1	s03
....gauuuacucacuggacuccaaaccgau........................	2	0	s03
....acuggacuccaaaccuga........................	1	0	s03
....acuggacuccaaaccugauA........................	1	1	s03
....acuggacuccaaaccugauu........................	1	0	s03
....acuggacuccaaaccugauuA........................	5	1	s03
....acuggacuccaaaccugauuuc........................	1	0	s03
....acuggacuccaaaccugauuucc........................	2	0	s03
....acuggacuccaaaccugauuucA........................	2	1	s03
....acuggacuccaaaccugauuccA........................	4	1	s03
....cuggacuccaaaccugauuuc........................	1	0	s03
....cuggacuccaaaccugauuucA........................	2	1	s03
....aauuagguuuggaguuccaguga..	1	0	s15
....uuagguuuggaguuccaguga..	1	0	s15
....uagguuuggaguuccagC..	1	1	s15
....uagguuuggaguuccaUu..	1	1	s15
....uagguuuggaguuccagu..	1	0	s15
....uagguuuggaguuccagug..	8	0	s15
....uagguuuggaguuccaguU..	1	1	s15
....uagguuCggaguuccaguga..	1	1	s15
....uagguuuggaguuccagugG..	2	1	s15
....uagguuuggaguuccaguga..	32	0	s15
....uagguuuggaguuccGguga..	2	1	s15
....uagguuuggaguuccagugau..	1	0	s15
....uagguuuggaguuccagugauuuacu..	2	0	s15
....uagguuuggaguuccagugauuuacucacu..	7	0	s15
....Gagguuuggaguuccagugauuuacucacu..	1	1	s15
....gauuuacucacuggacuccaaaccgau........................	3	0	s15
....acuggacuccaaaccugauu........................	2	0	s15
....acuggacuccaaaccugauuucU........................	1	1	s15
................................cacagucugcgaguagggaau..	2	0	s08
................................acagucuAcgaguagggaau..	1	1	s08
................................cagucugcgaguagggaau..	3	0	s08
................................gaauuagguuuggaguuccaguga..	6	0	s08
................................aauuagguuuggaguuccc..	1	0	s08
................................aauuagguuuggaguucU..	1	1	s08
................................aauuagguuuggaguuccagu..	1	0	s08
................................aauuagguuuggaguuccagug..	1	0	s08
................................aauuagguuGggaguuccaguga..	2	1	s08
................................aauuaggAuuggaguuccaguga..	1	1	s08
................................aauuagguuuggaguuccaguga..	6	0	s08
................................aauuagguuuggaguuccagugU..	1	1	s08
................................aauuagguuuggaguuccagCga..	1	1	s08
................................auuagguuuggaguuccaguga..	2	0	s08
guuggaggaagaaggaccacagucugcgaguagggaau..uuagguuuggaguuccag.......uuuacuc acuggacuccaaaccgauuuccugauugcaauaggagagacu	1	0	s08
................................uuagguuuggaguuccagug..	3	0	s08

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuccugauugcaauaggagagacu

.......................................Cuagguuuggaguuccagug..........................................  1    1    s08
.......................................uuagguuuggaguuccaguga.........................................  19   0    s08
.......................................uuagguuuggaguuccagugaA........................................  2    1    s08
........................................uagguuuggaguuccaUu...........................................  4    1    s08
........................................uagguuuggaguuccagA...........................................  1    1    s08
........................................uagguuAggaguuccagu...........................................  1    1    s08
........................................uagguuuggaguuccagG...........................................  1    1    s08
........................................uagguuuggaguuccagu...........................................  63   0    s08
........................................uagguuuggaguuccagC...........................................  7    1    s08
........................................uagguuuggaguuccagug..........................................  22   0    s08
........................................uagguuuggaguuccaguC..........................................  5    1    s08
........................................uagguuuggaguuccaguA..........................................  2    1    s08
........................................uagguuuggaguuccaguU..........................................  1    1    s08
........................................uGgguuuggaguuccaguga.........................................  3    1    s08
........................................uagguuuggaguuccagugG.........................................  9    1    s08
........................................uagguuugCguuccaguga.........................................  1    1    s08
........................................uagguuuggagGuccaguga.........................................  1    1    s08
........................................uagguuuggaguuccaAuga.........................................  1    1    s08
........................................uagguuuggaguuccagCga.........................................  2    1    s08
........................................uagguuuggGguuccaguga.........................................  2    1    s08
........................................uagguuGggaguuccaguga.........................................  1    1    s08
........................................uagguuuggaguuccaguga........................................  525  0    s08
........................................uagguuuAgaguuccaguga.........................................  3    1    s08
........................................uagguuuggaguGcaguga.........................................  2    1    s08
........................................uagguuuggaguuccagugC.........................................  5    1    s08
........................................uagguuuggaguuccGguga.........................................  5    1    s08
........................................uagguuuggaguCccaguga.........................................  2    1    s08
........................................uagguuCggaguuccaguga.........................................  5    1    s08
........................................uagguuuggaguuccagugU.........................................  36   1    s08
........................................Cagguuuggaguuccaguga.........................................  2    1    s08
........................................uagguuuggaguuAcaguga.........................................  1    1    s08
........................................uagguuAggaguuccaguga.........................................  3    1    s08
........................................uagguuuggUguuccaguga.........................................  1    1    s08
........................................Aagguuuggaguuccaguga.........................................  4    1    s08
........................................uagAuuuggaguuccaguga.........................................  1    1    s08
........................................uagguuuggaguuccagGga.........................................  3    1    s08
........................................uagguuuggagCuccaguga.........................................  2    1    s08
........................................uagguuuggaguuccagugaC........................................  1    1    s08
........................................uagguuuggaguGccagugau........................................  1    1    s08
........................................uagguuuggaguuccagugau........................................  12   0    s08
........................................uagguuuggaguuccagugGu........................................  4    1    s08
........................................uaggCuuggaguuccagugau........................................  1    1    s08
........................................uagguuuggaguuccagugaA........................................  3    1    s08
........................................uagguuuggagCuccagugauu.......................................  1    1    s08
........................................uagguuuggaguuccagugauu.......................................  2    0    s08
........................................uagguuuggaguuccagugauuua.....................................  1    0    s08
........................................uagguuuggaguuccagugauuuacucacu...............................  6    0    s08
.........................................agguuuggaguuccaguga........................................  1    0    s08
.......................................................gauuuacucacuggacuccaaaccgau...................  11   0    s08
.......................................................gauuuacucacuggacuccaaaccgauu..................  2    0    s08
.....................................................................acucacugAacuccaaaccug...........  1    1    s08
.......................................................................acuggacuccaaaccgau...........  3    0    s08
.......................................................................acuggacuccaaaccgauC..........  2    1    s08
.......................................................................acAggacuccaaaccgauu..........  1    1    s08
.......................................................................acuggacuccaaaccgauu..........  19   0    s08
.......................................................................acuggacuccaaaccgauuuc........  1    0    s08
.......................................................................acuggacuccaaaccgauuucU.......  2    1    s08
.......................................................................acuggacuccaaaccgauuucA.......  1    1    s08
.......................................................................acuggacuccaaaccgauuucc.......  6    0    s08
.......................................................................acuggacuccGaaccgauuucc.......  2    1    s08
.......................................................................acuggacuccaaaccugGuucc.......  1    1    s08
.......................................................................acuggacuccaaaccgauuuccu......  1    0    s08
........................................................................cuggacuccaaaccgauuuc........  5    0    s08
........................................................................cuggacuccaaaccgauuucU.......  1    1    s08
........................................................................cuggacuccaaaccgauuucc.......  4    0    s08
........................................................................cuggacuccaaaccgauuuccuA.....  1    1    s08
.........................................................................uggacuccaaaccgauuucc.......  1    0    s08


..............................aauuagguuuggaguucU.....................................................  1    1    s04
..............................aauuagguuuggaguuccaguga................................................  1    0    s04
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuaagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu
..................................................uuaagguuuggaguuccaguga......................................    2     0     s04
..................................................uaagguuuggaguuccagu........................................    1     0     s04
..................................................uaagguuuggaguuccGgu.........................................    1     1     s04
..................................................uaagguuuggaguuccagug........................................    9     0     s04
..................................................uaagguuuggaguuccaguga.......................................   28     0     s04
..................................................uaagguuuggGguuccaguga.......................................    1     1     s04
..................................................uaagguuuggaguuccagGga.......................................    1     1     s04
..................................................uaagguuuggaguuccagugU.......................................    1     1     s04
..................................................uaagguuuggaguuccagugaC......................................    1     1     s04
..................................................uaagguuuggGguuccagugau......................................    1     1     s04
..................................................uaagguuuggaguuccagugauu.....................................    3     0     s04
..................................................uaagguuuggaguuccagugauuuacucacu.............................    3     0     s04
..................................................uaagguuuggaguuccagugauuuacucacC.............................    2     1     s04
.....................................................................acuggacuccaaaccugauu....................    1     0     s04

.................cacagucugcgaguagggaau.....................................................................    6     0     s09
.................gaauuaagguuuggaguucca.....................................................................    1     0     s09
.................gaauuaagguuuggaguuccagu...................................................................    1     0     s09
.................gaauuaagguuuggaguuccaguga.................................................................    5     0     s09
.................gaauuaagguuuggaguuUcaguga.................................................................    1     1     s09
.................aauuaagguuuggaguuccagugU..................................................................    2     1     s09
.................aauuaagguuuggaguuccaguga..................................................................    7     0     s09
.................auuaagguuuggaguuccagu.....................................................................    1     0     s09
.................auuaagguuuggaguuccaguga...................................................................    4     0     s09
.................uuaagguuuggaguuccag.......................................................................    2     0     s09
.................uuaagguuuggaguuccagu......................................................................    1     0     s09
.................uuaagguuuggaguuccaguA.....................................................................    2     1     s09
.................uuaagguuuggaguuccagug.....................................................................    7     0     s09
.................uuaagguuuggaguuccagugG....................................................................    2     1     s09
.................uuaagguuuggaguuccaguga....................................................................   34     0     s09
.................uuagguAuggaguuccaguga.....................................................................    1     1     s09
.................uuaagguuuggagCuccaguga....................................................................    2     1     s09
.................uuaagguuuggagAuccaguga....................................................................    1     1     s09
.................uuaagguuuggaguuccagugU....................................................................    1     1     s09
.................uuaagguuuggaguuccagugaC...................................................................    2     1     s09
.................uaagguuuggaguuccagC.......................................................................    5     1     s09
.................uaagguuuggaguuccagA.......................................................................    4     1     s09
.................uaagguuuggagAuccagu.......................................................................    1     1     s09
.................uagAuuuggaguuccagu........................................................................    2     1     s09
.................uaagguuuggaguuccagu.......................................................................   39     0     s09
.................uaagguuuggaguuccGgug......................................................................    1     1     s09
.................uaagguuuggaguuccaguA......................................................................    3     1     s09
.................uaagguuuggaguuccagAg......................................................................    2     1     s09
.................Aagguuuggaguuccagug.......................................................................    2     1     s09
.................uaagguuuggaguuccaguU......................................................................    3     1     s09
.................uaagguuuggaguuccagug......................................................................   40     0     s09
.................uaagguuuggaguuccaguUa.....................................................................    3     1     s09
.................uaagguuuggaguuccaAuga.....................................................................    1     1     s09
.................Cagguuuggaguuccaguga......................................................................    5     1     s09
.................uaagguuuggagGuccaguga.....................................................................    1     1     s09
.................uaagguuuggaguuccaCuga.....................................................................    1     1     s09
.................uaagguuuggUguuccagugaC....................................................................    2     1     s09
.................uaagguuuggaguuccaguga.....................................................................  674     0     s09
.................uagguuAggaguuccaguga......................................................................    1     1     s09
.................uaagguuuggCguuccaguga.....................................................................    1     1     s09
.................uagUuuuggaguuccaguga......................................................................    1     1     s09
.................uaagguuuggaguuccagugU.....................................................................   33     1     s09
.................uagguuugAaguuccaguga......................................................................    2     1     s09
.................uaagguuuggGguuccaguga.....................................................................    5     1     s09
.................uaagguuuggaguCccaguga.....................................................................    5     1     s09
.................uGgguuuggaguuccaguga......................................................................    2     1     s09
.................uaagguuuggaguuccCguga.....................................................................    1     1     s09
.................Gagguuuggaguuccaguga......................................................................    1     1     s09
.................uaagguuuggaguuccGguga.....................................................................    8     1     s09
.................uaagguuuggaguuccagGga.....................................................................    6     1     s09
.................uaagguuCggaguuccaguga.....................................................................    2     1     s09
.................Aagguuuggaguuccaguga......................................................................    1     1     s09
.................uaagguuuggaguucUaguga.....................................................................    2     1     s09
guuggaggaagaaggaccacagucugcgaguagggaauuaagguuuggaguuccagugGuuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu   20     1     s09
.................uuaagguuuggaguuAcaguga....................................................................    2     1     s09
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacucccaaaccugauuccgauugcaauaggagagacu
.......................................uagguuuAgaguuccaguga.........................................      3    1    s09
.......................................uagguuuggaguuGcaguga.........................................      2    1    s09
.......................................uagguuuggaguuccagCga.........................................      3    1    s09
.......................................uagguuuUgaguuccaguga.........................................      1    1    s09
.......................................uagguCuggaguuccaguga.........................................      4    1    s09
.......................................uagguuuggaguuccagugC.........................................      2    1    s09
.......................................uagguCuggaguuccagugau.......................................      2    1    s09
.......................................uagguuuggaguuccagugaC.......................................      1    1    s09
.......................................uagguuuggaguuccagugau.......................................     17    0    s09
.......................................uagguuuggaguuccagugaA.......................................      2    1    s09
.......................................uagguuuggaguuccagugauu......................................      6    0    s09
.......................................uagguuuggaguuccagugauuC.....................................      1    1    s09
.......................................uagguuuggaguuccagugauuu.....................................      6    0    s09
.......................................uagguuuggaguuccagugauuua....................................      1    0    s09
.......................................uagguuuggaguuccagugauuGacu..................................      1    1    s09
.......................................uagguuuggaguuccagugauuuacu..................................      6    0    s09
.......................................uagguuuggaguuccagugauuuacC..................................      1    1    s09
.......................................uagguuuggaguuccagugauuuacucacu..............................     50    0    s09
.......................................uagguuuggaguuccagugauuuacucacA..............................      1    1    s09
.......................................uagguuuAgaguuccagugauuuacucacu..............................      1    1    s09
.......................................uagguuuggaguuccagugauuuGcucacu..............................      1    1    s09
........................................agguuuggaguuccaguga.........................................      3    0    s09
..................................................gauuuacucacuggacucccaaaccugau....................      1    0    s09
...................................................acucacugAacuccaaaccu............................      1    1    s09
...................................................acucacugAacuccaaaccuga..........................      1    1    s09
.....................................................acuggacucccaaaccugauA.........................      1    1    s09
.....................................................acuggacucccaaaccugauu.........................      8    0    s09
.....................................................acuggacucccaaaccugauuu........................      2    0    s09
.....................................................acuggacucccaaaccugauuA........................      1    1    s09
.....................................................acuggacucccaaacAugauuuc.......................      3    1    s09
.....................................................acuggacucccaaaccugauuuc.......................      1    0    s09
.....................................................acuggacucccaaacAugauuucc......................      1    1    s09
.....................................................acuggacucccaaaccugauuucc......................      4    0    s09
......................................................cuggacucccaaaccugauuucA......................      1    1    s09
......................................................cuggacucccaaaccugauuucAu.....................      1    1    s09
.......................................................uggacucccaaaccugauuucc......................      1    0    s09

................uacagucugcgaguagggaau.............................................................      8    0    s07
................uacagucugcgaguagggaaC.............................................................      1    1    s07
.................uacagucugcgaguagggaau............................................................      2    0    s07
.................uacagucugcgaguagggaaC............................................................      1    1    s07
..................uacagucugcgaguagggaaC...........................................................      3    1    s07
..................uacagucugcgGguagggaau...........................................................      2    1    s07
..................uacagucugcgaguagggaau...........................................................      3    0    s07
...................uagucugcgaguagggaau............................................................      1    0    s07
..........................gaauuagguuuggaguuc.......................................................      1    0    s07
..........................gaauuagguuuggaguucc......................................................      2    0    s07
..........................gaauuagguuuggaguuccaU....................................................      4    1    s07
..........................gaauuagguuuggaguuccagC...................................................      1    1    s07
..........................gaauuagguuuggaguuccagu...................................................      3    0    s07
..........................gaauuagguuuggaguuccaUu...................................................      2    1    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
...............................uuagguuuggaguuccGg................................................      1    1    s07
...............................uuagguuuggaguuccag................................................      8    0    s07
...............................uuagguuuggaguuccagA...............................................      2    1    s07
...............................uuagguuuggaguuccaguU..............................................      1    1    s07
...............................uuagguuuggaguuccagGga.............................................      1    1    s07
...............................uuagguuuggaguuccaguga.............................................      9    0    s07
...............................uuagguuuugCaguuccaguga............................................      1    1    s07
...............................uuagguuuggaguuccagugC............................................      2    1    s07
...............................uuagguuuggaguuccagugau...........................................      3    0    s07
..............................uagguuuggaguuccaUu................................................      2    1    s07
...............................uagguuuggaguCccagu..............................................      1    1    s07
..............................uGgguuuggaguuccagu...............................................      1    1    s07
```

Mature   **Star**

guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu

Sequence	Count	Flag	Sample
....uaggCuuggaguuccagu..	1	1	s07
....uagguuuggaguuccagG..	4	1	s07
....uagguuuggagCuccagu..	1	1	s07
....uagguuuggaguuccagA..	9	1	s07
....uagguuuggaguuccagu..	118	0	s07
....uagguuuggaguuccagC..	19	1	s07
....uagguCuggaguuccagu..	1	1	s07
....Aagguuuggaguuccagu..	4	1	s07
....uagguuuggaguuccagCg...	1	1	s07
....uagguuuggaguuccaguA...	43	1	s07
....uagguuuggaguuccaguC...	1	1	s07
....uagguuuggaguuccagug...	56	0	s07
....uagguuuggaguuccagGg...	1	1	s07
....uagguuuggaguuccaguU...	2	1	s07
....uagguuuggaguuGcaguga..	1	1	s07
....uagguuuggaguuccaguga..	415	0	s07
....uagguuuggaguuccaUuga..	1	1	s07
....uagguuuggaguGccaguga..	1	1	s07
....uagguuuggagCuccaguga..	1	1	s07
....uagAuuuggaguuccaguga..	1	1	s07
....uagguuuggaguuccagugU..	29	1	s07
....uagguuugGuguuccaguga..	1	1	s07
....uagguuuggaguuccaAuga..	1	1	s07
....uaggCuuggaguuccaguga..	4	1	s07
....uagguuuggagAuccaguga..	1	1	s07
....uagguuuggGguuccaguga..	3	1	s07
....uagguuuggaguuccagugC..	2	1	s07
....uagguuuggaguuccagugG..	15	1	s07
....uagguuCggaguuccaguga..	1	1	s07
....uagguuuggaguAccaguga..	1	1	s07
....uagguuuggaguuccagCga...	2	1	s07
....uagguuugAaguuccaguga..	1	1	s07
....Aagguuuggaguuccaguga..	7	1	s07
....uagguuuggaguuccagGga...	4	1	s07
....uaAguuuggaguuccaguga..	2	1	s07
....uagguuuggaguuccaguCa...	1	1	s07
....uagguuuggagGuccaguga..	2	1	s07
....uagguuuggaguuccagugaA...	1	1	s07
....uGgguuuggaguuccagugau..	1	1	s07
....uagguuuggaguAccagugau..	1	1	s07
....uagguuuggaguuccagugaC..	3	1	s07
....uagguuuggaguuccagugau..	37	0	s07
....uagguuuggaguuccagugauC.......................................	3	1	s07
....uagguuuggaguuccagugaGu.......................................	1	1	s07
....uagguuuggaguuccagugauu.......................................	7	0	s07
....uagguuuggaguuccagugauA.......................................	2	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
....acuggacuccaaaccuga..........................	13	0	s07
....acuggacuccaaaccugC..........................	2	1	s07
....acuggacuccaaaccugau........................	3	0	s07
....acuggacuccaaaccugaC........................	5	1	s07
....acuggacuccaaaccugaG........................	1	1	s07
....Gcuggacuccaaaccugauu.......................	2	1	s07
....acuggacCccaaaccugauu.......................	1	1	s07
....acuggacuccaaaccugauC.......................	4	1	s07
....acuggacuccaaAcugauu.......................	1	1	s07
....acuggacuccaaaccugaCu......................	8	1	s07
....acuggacuccaaacAugauu......................	2	1	s07
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauG......................	1	1	s07
....acuggacuccaaaccugauA......................	10	1	s07

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu

..........................................................acuggacuccaaaccugauu......................   48    0    s07
..........................................................acuggacuccaaacAugauuu.....................    3    1    s07
..........................................................acuggacuccaaaccugauuA.....................    3    1    s07
..........................................................acuggacuccaaaccugauuuA....................    1    1    s07
..........................................................acuggacuccaaaccugauuuU....................    2    1    s07
..........................................................acuggacuccaaacAugauuuc....................    1    1    s07
..........................................................acuggacuccaaaccugauucc....................    3    0    s07
..........................................................acuggacuccaaaccugauuccA...................    4    1    s07
..........................................................cuggacuccaaaccugauuA......................    1    1    s07
..........................................................cuggacuccaaaccugauuAc.....................    1    1    s07
..........................................................cuggacuccaaaccugauuucc....................    2    0    s07
..........................................................cuggacuccaaaccugauucA.....................    1    1    s07
..........................................................cuggacuccaaaccugauuccA....................    2    1    s07
..........................................................uggacuccaaaccugauA........................    1    1    s07
..........................................................uggacuccaaaccugauu........................    1    0    s07
..........................................................uggacuccaaaccugauAu.......................    2    1    s07
..........................................................uggacuccaaaccugauuucc.....................    1    0    s07


...............cacagucugcgaguagggaaC...................................................................    1    1    s05
...............cacagucugcgaguagggaau...................................................................    3    0    s05
..................cagucugcgaguagggaau..................................................................    3    0    s05
...........................gaauuagguuuggaguuccagu......................................................    3    0    s05
...........................gaauuagguuuggaguuccagAg.....................................................    1    1    s05
...........................gaauuagguuuggaguuccaguUa....................................................    1    1    s05
...........................gaauuagguuuggaguuccaguga....................................................    2    0    s05
..............................aauuagguuuggaguucc.......................................................    1    0    s05
..............................aauuagguuuggaguuccagug...................................................    1    0    s05
..............................aauuagguuuggaguuccaguA...................................................    1    1    s05
..............................aauuagguuuggaguuccagugU..................................................    3    1    s05
..............................aauuagguuuggaguuccaguga..................................................    1    0    s05
..............................aauuagguuuggaguuccagugaC.................................................    1    1    s05
...............................auuagguuuggaguuccagugau................................................    1    0    s05
................................uuagguuuggaguuccag.....................................................    2    0    s05
................................uuagguuuggaguuccagu....................................................    2    0    s05
................................uuaggguuAggaguuccagu...................................................    1    1    s05
................................uuagguuuggaguuccagug...................................................    2    0    s05
................................uuagguuuggaguAccagug...................................................    1    1    s05
................................uuagguuuggaguuccaguga..................................................    7    0    s05
................................uuagguuuggaguuccagCga..................................................    2    1    s05
................................uuagguuuggGguuccaguga..................................................    1    1    s05
................................uuagguuuggaguuccagugau................................................    5    0    s05
................................uuagguuuggaguuccagugaAu...............................................    1    1    s05
................................uuagguuuggaguuccagugauuuU.............................................    1    1    s05
.................................uagguuuggaguuccagu....................................................   11    0    s05
.................................uagguuuggaguuccagC....................................................    3    1    s05
.................................uagguuuggaguuccaUu....................................................    4    1    s05
.................................uagguuuggaguuccagug...................................................   17    0    s05
.................................uagguuuggaguuccaguA...................................................    1    1    s05
.................................uagguuuggaguuccaguU...................................................    1    1    s05
.................................uagguuCggaguuccaguga..................................................    1    1    s05
.................................uagguuuggaguGccaguga..................................................    1    1    s05
.................................uagguuuggaguuccagGga..................................................    1    1    s05
.................................uagguuuggaguuccagugU..................................................    9    1    s05
.................................uagguuuggaguuccGguga..................................................    2    1    s05
.................................uagguuuggaguuccaguga.................................................. 110    0    s05
.................................uagguuuggaguuccagugG..................................................    6    1    s05
.................................uagguuuggaguuccagugC..................................................    2    1    s05
.................................uagguuuggaguuccagugaC.................................................    2    1    s05
.................................uagguuuggaguuccagugaA.................................................    1    1    s05
.................................uagguuuggaguuccagugaG.................................................    2    1    s05
.................................uagguuuggaguCccagugau................................................    1    1    s05
.................................uagguuuggaguuccagugau................................................   10    0    s05
.................................uagguuuggaguuccagugauu...............................................   12    0    s05
.................................uagguuuggaguuccagugauuu..............................................    2    0    s05
.................................uagguuuggaguuccagugauuuacu...........................................    3    0    s05
.................................uagguuuggaguuccagugauuuacucacu.......................................    2    0    s05
.................................................acucacugAacuccaaaccugau.............................    2    1    s05
.................................................cucacugAacuccaaaccc.................................    1    1    s05
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccuga..................    2    0    s05
..........................................................acuggacuccaaaccugau.......................    3    0    s05
```

Mature   Star

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
```

Sequence	Count	M	Sample
....acuggacuccaaaccugauC......................	1	1	s05
....acuggacuccaaaccugauu......................	14	0	s05
....acuggacuccaaaccugauA......................	1	1	s05
....acuggacuccaaGccugauu......................	1	1	s05
....acuggacuccaaaccugauuA.....................	2	1	s05
....acuggacuccaaaccugauuu.....................	1	0	s05
....acuggacuccaaaccugauuuc....................	1	0	s05
....acuggacuccaaaccugauuucc...................	4	0	s05
....acuggacuccaaaccugauuucG...................	2	1	s05
....acuggacuccaaaccugauuucU...................	2	1	s05
....acuggacucUaaaccugauuucc...................	1	1	s05
....acuggacuccaaaccugauuucAu..................	1	1	s05
....acuggacuccaaaccugauuuccu..................	2	0	s05
....cuggacuccaaaccugauu......................	1	0	s05
....cuggacuccaaaccugauuuc....................	6	0	s05
....cuggacuccaaaccugauuucA...................	1	1	s05
....cuggacuccaaaccugauuucU...................	2	1	s05
....cuggacuccaaaccugauuucc...................	3	0	s05
....cuggacuccaaaccugauuuccA..................	4	1	s05
....cuggacuccaaaccugauuuccu..................	2	0	s05
....uggacuccaaaccugauuu......................	1	0	s05
....uggacuccaaaccugauAu......................	1	1	s05
....................cagucugcgaguagggaau...	1	0	s18
............................gaauuagguuuggagCuccaguga.............................	1	1	s18
..........................aauuagguuuggaguuccagugau.............................	1	0	s18
...........................uuagguuuggaguuccagug.................................	3	0	s18
...........................uuagguuuggaguuccaguga................................	8	0	s18
...........................uagguuuggaguuccaUu..................................	1	1	s18
...........................uGgguuuggaguuccagu.................................	1	1	s18
...........................uagguuuggaguuccagu.................................	3	0	s18
...........................uagguuuggaguuccaAu.................................	1	1	s18
...........................uagguuuggaguuccagug................................	16	0	s18
...........................uagguuuggaguuccaguA................................	1	1	s18
...........................uagguuuggaguuccaguU................................	1	1	s18
...........................uagguuuggaguuccagCg................................	1	1	s18
...........................uagguuuggGguuccaguga...............................	1	1	s18
...........................uagguuuggaguuAcaguga...............................	1	1	s18
...........................uagguuuggaguuccagugG...............................	9	1	s18
...........................uagguuuggaguuUcaguga...............................	1	1	s18
...........................uaggCuuggaguuccaguga...............................	1	1	s18
...........................uUgguuuggaguuccaguga...............................	2	1	s18
...........................uagguuuggaguuccagGga...............................	1	1	s18
...........................uagguuCggaguuccaguga...............................	1	1	s18
...........................uagguuuggaguGcaguga...............................	1	1	s18
...........................uagguuuggaguCccaguga...............................	1	1	s18
...........................Aagguuuggaguuccaguga...............................	2	1	s18
...........................uagguuuggaguuccaUuga...............................	1	1	s18
...........................uagguuuggaguuccagugU...............................	5	1	s18
...........................uGgguuuggaguuccaguga...............................	1	1	s18
...........................uagguuAggaguuccaguga...............................	1	1	s18
...........................uagguuuggaguuccaguga...............................	140	0	s18
...........................uagguuuggaguuccagugau..............................	2	0	s18
...........................uagguuuggaguuccagugauuua...........................	2	0	s18
...........................uagguuuggaguuccagugauuuaAu.........................	1	1	s18
...........................uagguuuggaguuccagugauuuacucacu.....................	1	0	s18
....acucacugAacuccaaaccugau.....................	2	1	s18
....acuggacuccaaaccugau.....................	1	0	s18
....acuggacuccaaaccugauA....................	6	1	s18
....acuggacuccaaaccugauuA...................	1	1	s18
....acuggacuccaaaccugauuuccA................	3	1	s18
....cuggacuccaaaccugauuuA...................	1	1	s18
...............cacagucugcgaguaggga....................................	1	0	s02
...............cacagucugcgaguagggaa...................................	2	0	s02
...............cacagucugcgaguagggaau..................................	29	0	s02
...............cacagucugcgaguagggaaC..................................	3	1	s02
...............cacagucugcAaguagggaau..................................	1	1	s02
...............acagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu	7	0	s02
...............cagucCgcgaguagggaau....................................	4	1	s02

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
..................cagucugcgaguagggaau.............................................................................  26    0    s02
..................cagucugGgaguagggaau.............................................................................   1    1    s02
..................cagucugcgGguagggaau.............................................................................   1    1    s02
...................agucugcgaguagggaGu.............................................................................   1    1    s02
........................gaauuagguuuggaguucc.......................................................................   1    0    s02
........................gaauuagguuuggaguuccagug...................................................................   1    0    s02
........................gaauuagguuuggaguuccagugU..................................................................   2    1    s02
........................gaauuagguuuggaguuccagugC..................................................................   2    1    s02
........................gaauuagguuuggaguuccaguga..................................................................   6    0    s02
........................gaauuagguuuggaguuccagugGu.................................................................   1    1    s02
........................gaauuagguuuggaguuccagugau.................................................................   2    0    s02
........................gaauuagguuuggaguuccagugaC.................................................................   1    1    s02
........................gaauuagguuuggaguuccagugauu................................................................   3    0    s02
........................gaauuagguuuggaguuccagugauA................................................................   1    1    s02
........................gaauuagguuuggaguuccagugauuA...............................................................   1    1    s02
.........................aauuagguuuggaguucA.......................................................................   2    1    s02
.........................aauuagguuuggaguucc.......................................................................   3    0    s02
.........................aauuagguuuggaguuccagu....................................................................   2    0    s02
.........................aauuagguuuggagAuccagu....................................................................   1    1    s02
..........................aaCuagguuuggaguuccagu...................................................................   1    1    s02
.........................aauuagguuuggaguuccagug...................................................................   7    0    s02
.........................aauuagguuuggaguuccaguA...................................................................   1    1    s02
.........................aauuagguuuggaguuccagGga..................................................................   1    1    s02
.........................aauuagguuuggaguuccagugU..................................................................  29    1    s02
.........................aauuagguuuggagCuccaguga..................................................................   1    1    s02
.........................aauuagguuuggGguuccaguga..................................................................   2    1    s02
.........................aauuagguuuggaguuccaguga..................................................................  37    0    s02
.........................aauuagguuuggaguuccagugC..................................................................   1    1    s02
.........................aauuagguuuggaguuccagugaA.................................................................   3    1    s02
.........................aauuagguuuggaguuccagugau.................................................................   4    0    s02
.........................aauuagguuuggaguuccagugaC.................................................................   1    1    s02
.........................aauuagguuuggaguuccagugauu................................................................   2    0    s02
.........................aauuagguuuggaguuccagugauA................................................................  10    1    s02
.........................aauuagguuuggaguuccagugauuA...............................................................   1    1    s02
..........................auuagguuuggaguuccag.....................................................................   3    0    s02
..........................auuagguuuggaguuccaguA...................................................................   1    1    s02
..........................auuagguuuggaguuccaguga..................................................................  10    0    s02
..........................auuagguuuggaguuccagugC..................................................................   2    1    s02
..........................auuagguuuggaguuccagugU..................................................................   1    1    s02
..........................auuagguuuggaguuccagugauC................................................................   1    1    s02
..........................auuagguuuggaguuccagugauu................................................................   2    0    s02
...........................uuagguuuggaguuccag....................................................................   3    0    s02
...........................uuagguuuggaguuccagC...................................................................   1    1    s02
...........................uuagguuuggaguuccaAu...................................................................   1    1    s02
...........................uuagguuuggaguuccagu...................................................................   6    0    s02
...........................uuagguuuggaguuccagug..................................................................   5    0    s02
...........................uuagguuuggaguuccagugG.................................................................   1    1    s02
...........................uuagguuuggaguuccagugC.................................................................   1    1    s02
...........................uuagguuuggaguCccaguga.................................................................   1    1    s02
...........................uuagguuuggaguucAaguga.................................................................   1    1    s02
...........................uuagguuuggaguuccaguga.................................................................  48    0    s02
...........................uuagguuuggaguuccagugU.................................................................   4    1    s02
...........................uuagguuuggaguAccaguga.................................................................   1    1    s02
...........................Cuagguuuggaguuccaguga.................................................................   1    1    s02
...........................uuaggCuuggaguuccaguga.................................................................   1    1    s02
...........................uuagguuuggaguuccagugauA...............................................................   2    1    s02
............................uagguuuggaguucUagu..................................................................   1    1    s02
............................uagguuCggaguuccagu..................................................................   2    1    s02
............................uagguuuggaguuccGgu..................................................................   1    1    s02
............................uagguuuggaguuccagu..................................................................  51    0    s02
............................uagguuuggaguuccaUu..................................................................   1    1    s02
............................uagguuuggaguuccagC..................................................................   8    1    s02
............................Aagguuuggaguuccagug.................................................................   1    1    s02
............................uagguuuggaguuccagug.................................................................  88    0    s02
............................uagguuuggaguCccagug.................................................................   2    1    s02
............................uagguuuggaguuccaguU.................................................................   3    1    s02
............................uagguuuggaguGccagug.................................................................   1    1    s02
............................uagguuuggaguuccaguC.................................................................   1    1    s02
............................uagguuGggaguuccagug.uuuacuc.acuggacuccaaaccgauuuccgauugcaauaggagagacu               1    1    s02
............................uagguuuggaguuccaguA.................................................................  12    1    s02
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuaagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu
```

Sequence	Count	Flag	Sample
....uagguuuggaguuccagCga..	3	1	s02
....uagguuuggaguuccGguga..	2	1	s02
....uagguuuggaguCccaguga..	6	1	s02
....uaggCuuggaguuccaguga..	3	1	s02
....uagguuuggagGuccaguga..	1	1	s02
....uagguuuggaguAccaguga..	1	1	s02
....uagguuuggaguUcaguga..	1	1	s02
....uaAguuuggaguuccaguga..	4	1	s02
....uagguCuggaguuccaguga..	3	1	s02
....uGgguuuggaguuccaguga..	3	1	s02
....uagguuuggagCuccaguga..	5	1	s02
....uagguuuggaguuccaAuga..	4	1	s02
....uagguuuggaguuccagugC..	10	1	s02
....Cagguuuggaguuccaguga..	1	1	s02
....Aagguuuggaguuccaguga..	4	1	s02
....uagguuuggaguuccaCuga..	1	1	s02
....uagguuuggaguuAcaguga..	3	1	s02
....uagguuuggaguGcaguga..	2	1	s02
....uagguuGggaguuccaguga..	3	1	s02
....uagguuuggaguuccaguga..	886	0	s02
....uagguuuggCguuccaguga..	1	1	s02
....uaggGuuggaguuccaguga..	1	1	s02
....uagguuuggaguuccagugU..	46	1	s02
....uagguuuggaguuccagGga..	13	1	s02
....uagguuuggaAuuccaguga..	1	1	s02
....uagguuuggaUuuccaguga..	1	1	s02
....uagguuuggaguuccUguga..	1	1	s02
....uUgguuuggaguuccaguga..	1	1	s02
....uaUguuuggaguuccaguga..	1	1	s02
....uagguuuggaguuccagugG..	16	1	s02
....uagguuuggGguuccaguga..	3	1	s02
....uagguuAggaguuccaguga..	2	1	s02
....uagguuCggaguuccaguga..	2	1	s02
....uagguuuggaguGccaguga..	1	1	s02
....uagguuuggaguuccagugau...	73	0	s02
....uagguuuggaguuccagugaA...	2	1	s02
....uagguuuggaguuccagugGu...	1	1	s02
....uagguuuggaguGcagugau...	1	1	s02
....uGgguuuggaguuccagugau...	1	1	s02
....uagguuuggaguuccagugaC...	5	1	s02
....uagguuuggaAuuccagugau...	1	1	s02
....uagguuuggaguuccagugCu...	1	1	s02
....uagguuuggaguuccaguUAau...	1	1	s02
....uagguuuggagCuccagugauu..	1	1	s02
....uaggCuuggaguuccagugauu..	1	1	s02
....uagguuAggaguuccagugauu..	1	1	s02
....uGgguuuggaguuccagugauu..	2	1	s02
....uagguuuggaguuccagugauA..	4	1	s02
....uagguuuggaguuccagugauu..	13	0	s02
....uagguuuggaguuccagugauC..	2	1	s02
....uaUguuuggaguuccagugauu..	1	1	s02
....uagguuuggaguuccagugAu..	2	1	s02
....uagguuuggaguuccagugauuu...	4	0	s02
....uagguuuggaguuccagugauAu...	2	1	s02
....uagguuuggaguuccagugauuU...	5	1	s02
....uagguuuggaguuccagugauuAac...	1	1	s02
....uagguuuggaguuccagugauuuacC..	1	1	s02
....uagguuuggaguuccagugauuuacA..	2	1	s02
....uagguuuggaguuccagugauuuacuc...	1	0	s02
....uagguuuggaguuccaguUauuuacucacu..	1	1	s02
....Gagguuuggaguuccagugauuuacucacu..	2	1	s02
....uagguuuggagCuccagugauuuacucacu..	2	1	s02
....uagguuuggaguuccagugauuuacucacu..	59	0	s02
....uagguuuggaguuccagCgauuuacucacu..	3	1	s02
....agguuuggaguuccagug...	2	0	s02
....agguuuggaguuccaguga..	5	0	s02
....gauuuacucacuggacuccaaaccugau.......................	2	0	s02
....gauuuacucacuggacuccaaaccugaC.......................	1	1	s02
guuggaggaagaaggaccacagucugcgaguagggaauuaagguuuggaguuccaguga......acucacugAacuccaaacc.......uccugauugcaauaggagagacu	1	1	s02
....acucacugAacuccaaaccu...........................	2	1	s02

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacucccaaaccgauuuccugauugcaauaggagagacu
```

Sequence	Count	Flag	Sample
....acucacugAacuccaaaccug...........................	3	1	s02
....acucacugAacuccaaaccuga..........................	12	1	s02
....acucacugAacuccaaaccugau.........................	5	1	s02
....acucacugAacuccaaaccugauu........................	7	1	s02
....cucacugAacuccaaacc............................	2	1	s02
....cucacugAacuccaaaccu...........................	4	1	s02
....cucacugAacuccaaaccug..........................	3	1	s02
....cucacugAacuccaaaccuga.........................	8	1	s02
....cucacugAacuccaaaccugau........................	4	1	s02
....cucacugAacuccaaaccugauu.......................	5	1	s02
....ucacuggacuccaaaccu...........................	2	0	s02
....ucacuggacuccaaaccuga.........................	1	0	s02
....ucacuggacuccaaaccugauu......................	1	0	s02
....acuggacuccaaaccugau..........................	20	0	s02
....acuggacuccaaaccugGu..........................	1	1	s02
....Ucuggacuccaaaccugau..........................	1	1	s02
....acuggacuccaaaccugaC..........................	1	1	s02
....acuggacuccaaGccugauu........................	1	1	s02
....acuggacuccaaaccugauC.........................	8	1	s02
....acuggacuccaaaccugCuu.........................	1	1	s02
....acuggacuccaaaccugauu.........................	129	0	s02
....acuggacuccaaaccugauA.........................	8	1	s02
....acuggacuccaaaccugaCu.........................	1	1	s02
....acuggacuccGaaccugauu.........................	1	1	s02
....acugUacuccaaaccugauu.........................	1	1	s02
....acuggacuAcaaaccugauu.........................	1	1	s02
....acuggacuccaaacAugauu.........................	3	1	s02
....acuggacuccaaaccugauG.........................	1	1	s02
....acuggacuccaaaAcugauu.........................	1	1	s02
....Gcuggacuccaaaccugauu.........................	3	1	s02
....acuggacuccaaaccugGuu.........................	1	1	s02
....acuggaAuccaaaccugauu.........................	1	1	s02
....acuggacuccaaaccugauuA........................	28	1	s02
....acuggacuccaaaccugauuu........................	3	0	s02
....acuggacuccaaaccugauuuc.......................	8	0	s02
....acuggacuccaaaccugauuuA.......................	2	1	s02
....acuggacuccaaaccugauuucU......................	10	1	s02
....acuggacuccGaaccugauuucc.....................	2	1	s02
....acuggacuccaaaccugauuUc......................	1	1	s02
....acuggacuccaaaccugauuucA......................	4	1	s02
....acuggacuccaaaccugGuuucc.....................	2	1	s02
....acuggacuccaaaccugauuuccc.....................	18	0	s02
....acuggacuccaaaccugauuuccu....................	2	0	s02
....acuggacuccaaaccugauuuccA....................	10	1	s02
....acuggacuccaaaccugauuuccAu...................	3	1	s02
....acuggacuccaaaccugauuuccG...................	4	1	s02
....cuggacuccaaaccugauuu........................	4	0	s02
....cuggacCccaaaccugauuuc.......................	2	1	s02
....cuggacuccaaaccugauuuc......................	24	0	s02
....cuggacuccaaaccugauuuU......................	5	1	s02
....cuggacuccaaaccugauuuA......................	8	1	s02
....cuggacuccaaaccugauuucc.....................	13	0	s02
....Guggacuccaaaccugauuucc....................	1	1	s02
....cuggacuccaaaccugauuucU....................	4	1	s02
....cuggacuccaaaccugauuuAc....................	2	1	s02
....cuggacuccaaaccugauuucA....................	6	1	s02
....cuggacuccaaaccugauuuccC...................	1	1	s02
....cuggacuccaaaccugauuucAu...................	1	1	s02
....cuggacuccaaaccugauuuccA...................	6	1	s02
....uggacuccaaaccugaGu........................	1	1	s02
....uggacuccaaaccugauu........................	1	0	s02
....uggacuccaaaccugauuu.......................	1	0	s02
....uggacuccaaaccugauuuc......................	1	0	s02
....uggacuccaaaccugauuucA.....................	5	1	s02
....uggacuccaaaccugauuucc....................	3	0	s02
....uggacuccaaaccugauuucU....................	2	1	s02
....uggacuccaaCccgauuuccc....................	1	1	s02
...................cagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacucccaaaccgauuccugauugcaauaggagagacu	2	0	s11
.........................aauuagguuuggaguuccagGg..	1	1	s11

Mature **Star**

```
guuggaggaagaaggaccacagucugcgaguagggaau<span style="color:red">uaggguuuggaguuccaguga</span><span style="color:orange">uuuacuc</span><span style="color:purple">acuggacuccaaaccugauu</span>uccugauugcaauaggagagacu
```

Sequence			Sample
aauuaggguuuggaguuccagugug	2	0	s11
aauuaggguuuggaguuccagugau	1	0	s11
uuuaggguuuggaguuccaguga	3	0	s11
uaggguuuggaguuccUgu	1	1	s11
uaggguuuggaguuccagu	1	0	s11
uaggguuuggaguuccagug	6	0	s11
uaggguuuggaguuccagugU	3	1	s11
uagguCuggaguuccaguga	1	1	s11
uagguuCggaguuccaguga	1	1	s11
uaggguuuggaguuccagugG	5	1	s11
uaggCuuggaguuccaguga	1	1	s11
uaggguuuggaguuccagugC	1	1	s11
uaggguuuggaguuccaguga	35	0	s11
uaggguuuggaCuuccaguga	1	1	s11
uaggguuuggaguuccagugauu	1	0	s11
uaggguuuggaguuccagugauA	1	1	s11
uaggguuuggaguuccagugauuuacC	1	1	s11
uaggguuuggaguuccagugauuuacu	1	0	s11
uaggguuuggaguuccagugauuuacucacu	7	0	s11
gauuuacucacuggacuccaaaccugau	1	0	s11
acuggacuccaaaccugauu	1	0	s11
cacagucugcgaguagggaau	3	0	s01
cacagucugcgaguagggaaC	2	1	s01
acagucugcgaguagggaau	1	0	s01
cagucugcgaguagggaau	1	0	s01
gaauuaggguuuggaguucU	1	1	s01
gaauuaggguuuggaguuccagu	3	0	s01
gaauuaggguuuggaguuccaguga	5	0	s01
gaauuaggguuuggaguCccaguga	1	1	s01
gaaCuaggguuuggaguuccaguga	1	1	s01
aauuaggguuuggaguucc	1	0	s01
aauuaggguuuggaguucca	4	0	s01
aauuaggguuuggaguuccaU	1	1	s01
aauuaggguuuggaguuccagug	1	0	s01
aauuaggguuuggagCuccaguga	1	1	s01
aauuaggguuuggaguuccaguga	13	0	s01
Cauuaggguuuggaguuccagugau	1	1	s01
auuaggguuuggaguuccagug	1	0	s01
auuagguCuggaguuccaguga	1	1	s01
auuaggguuuggaguuccaguga	3	0	s01
uCagguuuggaguuccag	1	1	s01
uuaggguuuggaguuccag	8	0	s01
uuaggguuuggaguuccagu	3	0	s01
uuaggguuuggaguuccaguga	15	0	s01
uuaggguuuggaguuccagugau	1	0	s01
uaggguuuggagCuccagu	1	1	s01
uaggguuuggaguuccagA	12	1	s01
uaggguuuggaguuccaUu	2	1	s01
uaggguuuggaguuccaAu	1	1	s01
uaggguuuggaguuccagu	16	0	s01
uaggguuuggaguuccagC	2	1	s01
uaggguuuggaguuccaguA	5	1	s01
uaggguuuggaguuccagug	28	0	s01
uaggguuuggaguuccagugG	4	1	s01
uagguuuAgaguuccaguga	1	1	s01
Cagguuuggaguuccaguga	1	1	s01
uaggguuuggaguuccaguUa	2	1	s01
uaggguuuggaguuccagGga	3	1	s01
uaggguuuggaguuccaguCa	1	1	s01
uaggguuuggaguuccaguAa	2	1	s01
uagguuuggGguuccaguga	2	1	s01
uagguuuggaCuuccaguga	1	1	s01
Gagguuuggaguuccaguga	1	1	s01
uagguuuggagCuccaguga	2	1	s01
uagguuuggagGuccaguga	2	1	s01
Aagguuuggaguuccaguga	1	1	s01
uagguuuggaguuccagugC	2	1	s01
uaggguuuggaguuccaguga uuuacuc acuggacuccaaaccugauu	345	0	s01
uaggguuuggaguuccUguga	1	1	s01

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
```

Sequence	Reads	X	Sample
....uagguuuggaguuGcaguga..	2	1	s01
....uagguuuggaguuccGguga..	2	1	s01
....uagAuuuggaguuccaguga..	1	1	s01
....uagguuuggaAuuccaguga..	1	1	s01
....uGgguuuggaguuccaguga..	2	1	s01
....uagguCuggaguuccaguga..	1	1	s01
....uagguuuggaguuccagugU..	15	1	s01
....uagguuuggaguuccagugau...	5	0	s01
....uagguuuggaguuccagugaC..	2	1	s01
....Cagguuuggaguuccagugau...	1	1	s01
....uagguuuggaguuccagugaA..	1	1	s01
....uagguuuggaguuccagugauA...	3	1	s01
....uagguuuggaguCccagugauu...	1	1	s01
....uagguuuggaguuccagugauu...	8	0	s01
....uagguuuggaguuccagugauuu..	9	0	s01
....uagguuuggaguuccagugauuua...	2	0	s01
....uagguuuggaguuccagugauuuacC...	2	1	s01
....uagguuuggaguuccagugauCuacu...	1	1	s01
....uagguuuggaguuccagugauuuacu...	9	0	s01
....uagguuuggaguuccagugauuuacuca...	1	0	s01
....uagguuuggaguuccagugauuuacucacA...	1	1	s01
....uagguuuggaguuccagugauuuacucacu...	19	0	s01
....agguuuggaguuccaguga...	3	0	s01
....acucacugAacuccaaaccu...	1	1	s01
....cucacugAacuccaaaccug..	1	1	s01
....ucacuggacuccaaaccug...	1	0	s01
....acuggacuccaaaccugau..	4	0	s01
....acuggacuccaaaccugauA...	5	1	s01
....acuggGcuccaaaccugauu...	1	1	s01
....acuggacuccaaaccugauuA..	2	1	s01
....acuggacuccaaaccugauuuc...	2	0	s01
....acuggacuccaaaccugauuuU...	1	1	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
..........................uuagguuuggaguuccaguga...	23	0	s17
..........................uuagguuuggaguuccagugU...	1	1	s17
...........................uagguuuggaguuccagu..	14	0	s17
...........................uagguuuggaguuccagC..	1	1	s17
...........................uagguuuggaguuccagug...	15	0	s17
...........................uagguuCggaguuccagug...	1	1	s17
...........................uGgguuuggaguuccaguga..	1	1	s17
...........................Gagguuuggaguuccaguga..	2	1	s17
...........................uagguuuggGguuccaguga..	2	1	s17
...........................uagguuuggaguuccagugC..	1	1	s17
...........................uagguuuggaguuccagGga..	1	1	s17
...........................uagguCuggaguuccaguga..	1	1	s17
...........................uagguuuggaguuccagugU..	8	1	s17
...........................uagguuuggaguuccaguga..	161	0	s17
...........................uagguuuggaguuccagugG..	2	1	s17
...........................uaUguuuggaguuccaguga..	1	1	s17
...........................uagguuuggaguuccGguga..	6	1	s17
...........................uagguuuggagCuccaguga..	1	1	s17
...........................uagguuuggaguuccagugau...	1	0	s17
...........................uagguuuggaguuccagugauuu...	3	0	s17
...........................uagguuuggaguuccagugauuuacu..	3	0	s17
...........................uagguuuggaguuccagugauuuacucacu..	27	0	s17
...........................uagguuuggaguuccagugauuuacucaUu..	1	1	s17
...........................uagguuuggaguuccagugauuuacucacG.......	1	1	s17
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggagCuccagugauuuacucacu.......acuggacuccaaaccugauuuccugauugcaauaggagagacu	1	1	s17
............................agguuuggaguuccaguga..	1	0	s17
```

**<span style="color:red">Mature</span>**      **<span style="color:purple">Star</span>**

guuggaggaagaaggaccacagucugcgaguagggaau<span style="color:red">uagguuuggaguuccaguga</span><span style="color:orange">uuuacuc</span><span style="color:purple">acuggacuccaaaccugauu</span>uccugauugcaauaggagagacu

| Sequence | Count | Mismatch | Label |
|---|---|---|---|
| ...............................................................acuggacuccaaaccugauu...................... | 3 | 0 | s17 |
| ...............................................................acuggacuccaaaccugauuu..................... | 1 | 0 | s17 |
| ...............................................................acuggacuccaaaccugauuc..................... | 3 | 0 | s17 |
| ...............................................................acuggacuccaaaccugauuucU................... | 1 | 1 | s17 |
| ...............................................................acuggacuccaaaccugauuucc.................. | 2 | 0 | s17 |
| ...............................................................cuggacuccaaaccugauuuc.................... | 2 | 0 | s17 |
| ...............................................................cuggacuccaaaccugauuucc................... | 1 | 0 | s17 |
| | | | |
| ..........aggaccacagucugcgaguagggaau............................................................ | 1 | 0 | s10 |
| ................cacagucugcgaguagggaau............................................................ | 8 | 0 | s10 |
| .................acagucugcgaguagggaau............................................................ | 1 | 0 | s10 |
| ..................cagucugcgaguagggaau............................................................ | 4 | 0 | s10 |
| ..................cagucugcgaguagggaaC............................................................ | 1 | 1 | s10 |
| ....................agucugcgaguagggaau............................................................ | 1 | 0 | s10 |
| ..............................Aaauuagguuuggaguucc................................................ | 1 | 1 | s10 |
| ..............................gaauuagguuuggaguuccag.............................................. | 2 | 0 | s10 |
| ..............................gaauuagguuuggaguuccaA.............................................. | 1 | 1 | s10 |
| ..............................gGauuagguuuggaguuccag.............................................. | 1 | 1 | s10 |
| ..............................gaauuagguuuggaguuccGgu............................................. | 1 | 1 | s10 |
| ..............................gaauuagguuuggaguuccagu............................................. | 1 | 0 | s10 |
| ..............................gaauuagguuuggaguuccagug............................................ | 2 | 0 | s10 |
| ..............................gaauuagguuuggaguuccagugU........................................... | 1 | 1 | s10 |
| ..............................gaauuagguuuggaguuccaguga........................................... | 11 | 0 | s10 |
| ...............................aauuagguuuggaguucAagu............................................. | 1 | 1 | s10 |
| ...............................aauuagguuuggaguuccagu............................................. | 1 | 0 | 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 |
| .................................uuagguuuggaguuccagug........................................... | 9 | 0 | s10 |
| .................................uuagguuuggaguuccaguU........................................... | 1 | 1 | s10 |
| .................................uuagguuuggagCuccaguga.......................................... | 2 | 1 | s10 |
| .................................Cuagguuuggaguuccaguga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguAccaguga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguUcaguga........................................... | 2 | 1 | s10 |
| .................................uuagguuuggaguuccagugU.......................................... | 11 | 1 | s10 |
| .................................Guagguuuggaguuccaguga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguuccagugC.......................................... | 2 | 1 | s10 |
| .................................uuagguuuggaguuccagugG.......................................... | 6 | 1 | s10 |
| .................................uuagguAuggaguuccaguga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguuccaguCa.......................................... | 1 | 1 | s10 |
| .................................uuaUguuuggaguuccaguga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguGccaguga.......................................... | 2 | 1 | s10 |
| .................................uuGgguuuggaguuccaguga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguuccaguga.......................................... | 152 | 0 | s10 |
| .................................uuagguuuggGguuccaguga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguuccagGga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguuccGguga.......................................... | 1 | 1 | s10 |
| .................................uuagguuuggaguuccagugau........................................ | 7 | 0 | s10 |
| .................................uuagguuuggaguuccagugaA........................................ | 1 | 1 | s10 |
| .................................uuagguuuggaguuccagugaC........................................ | 1 | 1 | s10 |
| ..................................uagguuuggaguuccagC........................................... | 13 | 1 | s10 |
| ..................................uagguuuggaguuccaUu........................................... | 3 | 1 | s10 |
| ..................................uagguuCggaguuccagu........................................... | 1 | 1 | s10 |
| ..................................uagguuuggaguuccaAu........................................... | 1 | 1 | s10 |
| ..................................Aagguuuggaguuccagu........................................... | 1 | 1 | s10 |
| ..................................uagguuuggaguuccGgu........................................... | 1 | 1 | s10 |
| ..................................uagguuuAgaguuccagu........................................... | 1 | 1 | s10 |
| ..................................uagguuuggaguuccagu........................................... | 85 | 0 | s10 |
| ..................................uagguuuggaguuccagA........................................... | 6 | 1 | s10 |
| ..................................uagguuuggagCuccagug.......................................... | 1 | 1 | s10 |
| ..................................uagguuuggaguuccagug.......................................... | 127 | 0 | s10 |
| ..................................uagguuuAgaguuccagug<span style="color:orange">uuuacuc</span><span style="color:purple">acuggacuccaaaccugauu</span>uccugauugcaauaggagagacu | 1 | 1 | s10 |
| ..................................uagguuuggaguuccaguU.......................................... | 8 | 1 | s10 |

guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu

| Sequence | Count | Flag | ID |
|---|---|---|---|
| ..................................................uagguuuggaguucUagug........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccaguA............................................ | 11 | 1 | s10 |
| ..................................................uagguuCggaguuccagug............................................ | 1 | 1 | s10 |
| ..................................................uGgguuuggaguuccagug............................................ | 1 | 1 | s10 |
| ..................................................uagguuuggaguCccaguga........................................... | 9 | 1 | s10 |
| ..................................................uaUguuuggaguuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguucGaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccagCga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccagugU........................................... | 130 | 1 | s10 |
| ..................................................uUgguuuggaguuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccaAuga........................................... | 3 | 1 | s10 |
| ..................................................uagguuuAgaguuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguucUaguga........................................... | 3 | 1 | s10 |
| ..................................................uagguuuggagCuccaguga........................................... | 5 | 1 | s10 |
| ..................................................uagguuuggaguuccaguga........................................... | 1635 | 0 | s10 |
| ..................................................uaggCuuggaguuccaguga........................................... | 9 | 1 | s10 |
| ..................................................uagguuuggaguuccagAga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguGccaguga........................................... | 3 | 1 | s10 |
| ..................................................uagguuuggaguuccaUuga........................................... | 4 | 1 | s10 |
| ..................................................uagguuuggaAuuccaguga........................................... | 3 | 1 | s10 |
| ..................................................uaAguuuggaguuccaguga........................................... | 5 | 1 | s10 |
| ..................................................uagguuuggaguucCguga........................................... | 5 | 1 | s10 |
| ..................................................uagguuGggaguuccaguga........................................... | 4 | 1 | s10 |
| ..................................................Cagguuuggaguuccaguga........................................... | 9 | 1 | s10 |
| ..................................................Gagguuuggaguuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuugUaguuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguCuggaguuccaguga........................................... | 2 | 1 | s10 |
| ..................................................uagguuuggaguuccaguUa........................................... | 5 | 1 | s10 |
| ..................................................uagguuuggGguuccaguga........................................... | 13 | 1 | s10 |
| ..................................................uagguuuggaguuccagGga........................................... | 26 | 1 | s10 |
| ..................................................uagguuuggagGuccaguga........................................... | 4 | 1 | s10 |
| ..................................................uagguuuUgaguuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggCguuccaguga........................................... | 2 | 1 | s10 |
| ..................................................uGgguuuggaguuccaguga........................................... | 7 | 1 | s10 |
| ..................................................uagguuuggaguucCuguga........................................... | 4 | 1 | s10 |
| ..................................................uagguuuggaguuccaguAa........................................... | 3 | 1 | s10 |
| ..................................................uagguuuggaguucCCguga........................................... | 3 | 1 | s10 |
| ..................................................uaggAuuggaguuccaguga........................................... | 2 | 1 | s10 |
| ..................................................Aagguuuggaguuccaguga........................................... | 11 | 1 | s10 |
| ..................................................uagguuuggaguUaccaguga.......................................... | 2 | 1 | s10 |
| ..................................................uagguuuggaguuccagugC........................................... | 18 | 1 | s10 |
| ..................................................uaggGuuggaguuccaguga........................................... | 2 | 1 | s10 |
| ..................................................uagguuuggagAuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguucAaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccagugG........................................... | 43 | 1 | s10 |
| ..................................................uagguuuggaguuGcaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaCuuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuCggaguuccaguga........................................... | 4 | 1 | s10 |
| ..................................................uagAuuuggaguuccaguga........................................... | 1 | 1 | s10 |
| ..................................................uagguuAggaguuccaguga........................................... | 2 | 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 |
| ..................................................uagguuuggaguuccagugaGu......................................... | 2 | 1 | s10 |
| ..................................................uagguuuggaguuccagugauC......................................... | 7 | 1 | s10 |
| ..................................................uaggCuuggaguuccagugauuu....................................... | 1 | 1 | s10 |
| ..................................................uagguuAggaguuccagugauuu....................................... | 2 | 1 | s10 |
| ..................................................uagguuuggaguAcagugauuu........................................ | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccagugauuA........................................ | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccagugauuG........................................ | 2 | 1 | s10 |
| ..................................................uCgguuuggaguuccagugauuu....................................... | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccagugauuC........................................ | 1 | 1 | s10 |
| ..................................................uagguuuggaguuccagugauuu........................................ | 17 | 0 | s10 |
| ..................................................uagguuuggUguuccagugauuu....................................... | 2 | 1 | s10 |
| guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuua...acuggacuccaaaccugauuuccgauugcaauaggagagac.... | 3 | 0 | s10 |
| ..................................................uagguuuggaguuccagugauuuU....................................... | 2 | 1 | s10 |

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu
.......................................................Aagguuuggaguuccagugauuuacu................................   1   1   s10
.......................................................uagguuuggaguuccagugauuuacG................................   1   1   s10
.......................................................uagguuuggaguuccagugauuuacu................................   3   0   s10
.......................................................uagguuuggaguuccagugauuuacuca..............................   1   0   s10
.......................................................uagguuuggaguuccagugauuuacCcacu............................   1   1   s10
.......................................................uagguuuggaguuccagugauuuacucacu............................  37   0   s10
.......................................................uagguuuggaguuccagugauuuacucacC............................   1   1   s10
.......................................................uagguuuAgaguuccagugauuuacucacu............................   1   1   s10
.......................................................uagguuuggaguuccagugauuuacucacG............................   1   1   s10
.......................................................agguuCggaguuccaguga......................................   1   1   s10
.......................................................agguuuggaguuccagugauu....................................   1   0   s10
............................................................ugauuuacucacuggacuccaaaccugauu.....................   1   0   s10
.............................................................Aauuuacucacuggacuccaaaccugau......................   1   1   s10
.................................................................acucacugAacuccaaaccug.........................   1   1   s10
.................................................................acucacugAacuccaaaccuga........................   1   1   s10
..................................................................cucacugAacuccaaaccuga........................   2   1   s10
....................................................................acuggacGccaaaccugauu.......................   1   1   s10
....................................................................acuggacuccaaacAugauu.......................   1   1   s10
....................................................................acuggacuccaaaccugauu.......................  24   0   s10
....................................................................acugCacuccaaaccugauuu......................   1   1   s10
....................................................................acuggacuccaaaccugauuu......................   4   0   s10
....................................................................acuggacuccaaaccugauuuc.....................   2   0   s10
....................................................................acuggacuccaaaccugauuuA.....................   1   1   s10
....................................................................acuggacuccaaaccugauuucc....................   3   0   s10
....................................................................acuggacuccaaaccugauuucA....................   1   1   s10
....................................................................acuggacuccaaaccAgauuucc....................   1   1   s10
....................................................................acuggacuccaaaccugauuuccA...................   1   1   s10
.....................................................................cuggacuccaaaccugauuuc.....................   2   0   s10
.....................................................................cuggacuccaaaccugauuuAc....................   1   1   s10
.....................................................................cuggacuccaaaccugauuucU....................   1   1   s10
.....................................................................cuggacuccaaaccugauuucA....................   1   1   s10
.....................................................................cuggacuccaaaccugauuuccA...................   1   1   s10
.....................................................................cuggacuccaaaccugauuuccuU..................   1   1   s10
......................................................................uggacuccaaaccugauuucc....................   1   0   s10

...................cacagucugcgaguagggaau.......................................................................   2   0   s19
.....................cagucugcgaguagggaau.......................................................................   1   0   s19
.....................cagucugcgaguagggaaC.......................................................................   1   1   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
.......................................uuagguuuggUguuccagu.....................................................   1   1   s19
.......................................uuagguuuggaguuccagu.....................................................   1   0   s19
.......................................uuagguuuggaguuccagug....................................................   2   0   s19
.......................................Auagguuuggaguuccaguga...................................................   1   1   s19
.......................................uuagguuAggaguuccaguga...................................................   1   1   s19
.......................................Cuagguuuggaguuccaguga...................................................   3   1   s19
.......................................uuagguuuggagCuccaguga...................................................   1   1   s19
.......................................uuagguuuggaguCccaguga...................................................   1   1   s19
.......................................uuagguuuggaguuccaguga...................................................  32   0   s19
.......................................uuagguuuggaguuccagugU..................................................    3   1   s19
........................................uagguuuggaguuccagA.....................................................   9   1   s19
........................................uagguuuggaguuccagu.....................................................  29   0   s19
........................................uGgguuuggaguuccagu.....................................................   1   1   s19
........................................uagguuuggaguuccaUu.....................................................   4   1   s19
........................................uagguuuggaguuccagC.....................................................   7   1   s19
........................................uagguuuggaguuccagG.....................................................   1   1   s19
........................................uagguuuggaguGccagug....................................................   1   1   s19
........................................uagguuuggaguuccaAug....................................................   1   1   s19
........................................uagguuuggGguuccagug....................................................   1   1   s19
........................................uagguuuggaguuccaguU....................................................   2   1   s19
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccGgug uuuacuc acuggacuccaaaccugauuccugauugcaauaggagagacu       1   1   s19
........................................uagguuuggaguuccaguC....................................................   2   1   s19
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu

.............................................uagguuuGggaguuccagug.......................................  1      1    s19
.............................................Cagguuuggaguuccagug.......................................  2      1    s19
.............................................uagguuuggaguuccagug.......................................  77     0    s19
.............................................uagguuuggaguuccaguA.......................................  6      1    s19
.............................................uagguuCuggaguuccaguga.....................................  3      1    s19
.............................................uagguuuggGguuccaguga......................................  5      1    s19
.............................................uagguGuggaguuccaguga......................................  2      1    s19
.............................................uagguuuggaguuccagAga......................................  1      1    s19
.............................................uUgguuuggaguuccaguga......................................  2      1    s19
.............................................uagguuCggaguuccaguga......................................  5      1    s19
.............................................Cagguuuggaguuccaguga......................................  6      1    s19
.............................................uagguuuggaguuccaUuga......................................  1      1    s19
.............................................uagguuuggaguuccagGga......................................  7      1    s19
.............................................uagguuugguUguuccaguga.....................................  1      1    s19
.............................................uagguuuggaguuccagCga......................................  13     1    s19
.............................................uGgguuuggaguuccaguga......................................  1      1    s19
.............................................uagguuGggaguuccaguga......................................  1      1    s19
.............................................uaggCuuggaguuccaguga......................................  7      1    s19
.............................................uaggAuuggaguuccaguga......................................  1      1    s19
.............................................uagguuuggaguGccaguga......................................  1      1    s19
.............................................uagguuuggaguuccaguga......................................  767    0    s19
.............................................uagguuuggaguuccagugU......................................  17     1    s19
.............................................uagguuuggagGuccaguga......................................  1      1    s19
.............................................uagguuuggaguucUaguga......................................  1      1    s19
.............................................uagguuuggaguGcaguga.......................................  1      1    s19
.............................................uagguuuggaguccGguga.......................................  4      1    s19
.............................................Aagguuuggaguuccaguga......................................  5      1    s19
.............................................uagguuuggCguuccaguga......................................  1      1    s19
.............................................uagguuuggaguuccagugG......................................  14     1    s19
.............................................uagguuuggaguCccaguga......................................  3      1    s19
.............................................uaAguuuggaguuccaguga......................................  3      1    s19
.............................................uagguuuggaguuccaguAa......................................  1      1    s19
.............................................Gagguuuggaguuccaguga......................................  1      1    s19
.............................................uagguuuggaguucAaguga......................................  1      1    s19
.............................................uagguuuggaguuccagugC......................................  8      1    s19
.............................................uagguuuggaguuAcaguga......................................  1      1    s19
.............................................uagguuuggaguuccaCuga......................................  1      1    s19
.............................................uagguuAggaguuccaguga......................................  3      1    s19
.............................................uagguuuggaguuccGgugau.....................................  1      1    s19
.............................................uagguuuggaguuccagugaC.....................................  4      1    s19
.............................................uagguuuggaguuccagugau.....................................  8      0    s19
.............................................uagguuuggaguuccagugauu....................................  6      0    s19
.............................................uagguuuggaguuccagugauuu...................................  4      0    s19
.............................................uagguuuggaguuccagugauuuU..................................  1      1    s19
.............................................uagguuuggaguuccagugauuuac.................................  1      0    s19
.............................................uagguuuggaguuccagugauuuacu................................  5      0    s19
.............................................uagguuuggaguuccagugauuuacucac.............................  2      0    s19
.............................................uagguuuggaguuccagugauuuacucUcu............................  1      1    s19
.............................................uagguuuggaguuccagugauuuacucacA............................  2      1    s19
.............................................uagguuuggaguuccagugauuuacucacC............................  1      1    s19
.............................................uagguuuggaguuccagugauuuacCcacu............................  1      1    s19
.............................................uagguuAggaguuccagugauuuacucacu...........................  1      1    s19
.............................................uagguuuggagCuccagugauuuacucacu...........................  2      1    s19
.............................................uaggCuuggaguuccagugauuuacucacu...........................  1      1    s19
.............................................Aagguuuggaguuccagugauuuacucacu...........................  1      1    s19
.............................................uagguuuggaguuccagugauuuacucacu...........................  39     0    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
.........................................................acuggacuccaaaccugauC.........................  2      1    s19
.........................................................acuggacuccaaaccugaCu.........................  1      1    s19
.........................................................acuggacuccaaacAugauu.........................  1      1    s19
.........................................................acuggacuccaaacAugauuu........................  2      1    s19
.........................................................acuggacuccaaaccugauuu........................  1      0    s19
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacuc.acuggacuccaaaccugauuA.................  2      1    s19
.........................................................acCggacuccaaaccugauuu........................  1      1    s19
```

```
guuggaggaagaaggaccacagucugcgaguaggaauuaagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
.........................................................acuggacuccaaaccugauuuU....................   2    1    s19
.........................................................acuggacuccaaaccugauuuA....................   1    1    s19
.........................................................acuggacuccaaaccugauuucU...................   3    1    s19
.........................................................acuggacuccaaaccugauuucc...................   7    0    s19
.........................................................acuggacuccaaaccugauuuccA..................   2    1    s19
.........................................................acuggacuccaaaccugauuuccuU.................   3    1    s19
..........................................................uggacuccaaaccugauuucA....................   2    1    s19

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

..............cacagucugcgaguagggC....................................................................   1    1    s12
..............cacagucugcgaguagggaau..................................................................   1    0    s12
...............acagucugcgaguagggaaC..................................................................   1    1    s12
..................caguGugcgaguagggaau................................................................   1    1    s12
..................cagucugcgaguagggaau................................................................   5    0    s12
..................cagucugcgaguagggaaC................................................................   2    1    s12
...................agucugcAaguagggaau................................................................   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
...................................uuagguuuggaguuccagu..............................................   5    0    s12
...................................uuagguuuggaguuccagug.............................................   1    0    s12
...................................Cuagguuuggaguuccagug.............................................   1    1    s12
...................................uuagguuuggaguuccagugU............................................   4    1    s12
...................................uuagguuuggaguuccCguga............................................   1    1    s12
...................................uuagguuuggaguuccaguga............................................  17    0    s12
...................................uuagguuuggaguuccagugau...........................................   3    0    s12
...................................uuagguuuggaguuccagugauuu.........................................   2    0    s12
....................................uagguuuggaguuccagC..............................................   1    1    s12
....................................uagguuuggaguCccagu..............................................   2    1    s12
....................................Aagguuuggaguuccagu..............................................   1    1    s12
....................................uagguuuggaguuccagu..............uuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu  38    0    s12
....................................uagguuuggaguuccagG..............................................   1    1    s12
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccgauuuccugauugcaauaggagagacu
..........................................uagguuuggaguuccaguU.....................................................  2    1    s12
..........................................uagguuuggaguuccagug......................................................  41   0    s12
..........................................uagguuuggaguuccaguA.....................................................  4    1    s12
..........................................uagguuuggaguGccagug.....................................................  1    1    s12
..........................................uagguuuggaguccGgug......................................................  1    1    s12
..........................................uagguuuggaguuccaguC.....................................................  2    1    s12
..........................................uagguuuggUguuccaguga....................................................  1    1    s12
..........................................uagguCuggaguuccaguga....................................................  1    1    s12
..........................................uagguuuggaguuccaguga....................................................  394  0    s12
..........................................uagguuuggaguuccagGga....................................................  6    1    s12
..........................................uagguuuggaguuccagugU....................................................  41   1    s12
..........................................uaggAuuggaguuccaguga....................................................  1    1    s12
..........................................uagguuugAaguuccaguga....................................................  2    1    s12
..........................................uagguuuggagAuccaguga....................................................  1    1    s12
..........................................uagguuuggaguucAaguga....................................................  1    1    s12
..........................................uaggCuuggaguuccaguga....................................................  2    1    s12
..........................................uagguuAggaguuccaguga....................................................  3    1    s12
..........................................Aagguuuggaguuccaguga....................................................  1    1    s12
..........................................Cagguuuggaguuccaguga....................................................  1    1    s12
..........................................uagguuuggaguGccaguga....................................................  1    1    s12
..........................................Gagguuuggaguuccaguga....................................................  1    1    s12
..........................................uagguuuggaguuccagugG....................................................  7    1    s12
..........................................uagguuuggaguccUguga.....................................................  1    1    s12
..........................................uagguuuggaguCccaguga....................................................  2    1    s12
..........................................uagguuuggaguuAcaguga....................................................  1    1    s12
..........................................uagguuuggaguccGguga.....................................................  1    1    s12
..........................................uagguuuggaguuccagugC....................................................  4    1    s12
..........................................uagguuCggaguuccaguga....................................................  1    1    s12
..........................................uagguuuggaguuccaguUa....................................................  2    1    s12
..........................................uagguuuggaguucUaguga....................................................  1    1    s12
..........................................uagguuuggaguuccagCga....................................................  1    1    s12
..........................................uagguuuggGguuccaguga....................................................  2    1    s12
..........................................uagguuuggagCuccaguga....................................................  2    1    s12
..........................................uagguuuggaguuccaUuga....................................................  1    1    s12
..........................................uagguuuggaguuccagugaC...................................................  6    1    s12
..........................................uagguuuggaguuccagugUu...................................................  2    1    s12
..........................................uagguuAggaguuccagugau...................................................  2    1    s12
..........................................Aagguuuggaguuccagugau...................................................  2    1    s12
..........................................uagguuGggaguuccagugau...................................................  1    1    s12
..........................................uagguuuggaguuccagugCu...................................................  1    1    s12
..........................................uagguuuggaguuccagugaA...................................................  6    1    s12
..........................................uagguuuggaguuccagugau...................................................  28   0    s12
..........................................uagguuuggaguuccagugauu..................................................  17   0    s12
..........................................uagguuuggaguuccagugauC..................................................  1    1    s12
..........................................uagguuuggaguuccagugauuu.................................................  1    0    s12
..........................................uagguuuggaguuccagugaAuu.................................................  1    1    s12
..........................................uagguuuggaguuccagugauuuU................................................  1    1    s12
..........................................uagguuuggaguuccagugauuuacu..............................................  2    0    s12
..........................................uagguuuggaguuccagugauuuacucacu..........................................  6    0    s12
...............................................uuuggaguuccagugauuu...............................................  1    0    s12
.............................................................gauuuacucacuggacuccaaaccugau........................  1    0    s12
..................................................................acucacugAacuccaaaacc............................  1    1    s12
..................................................................acucacugAacuccaaaaccug...........................  1    1    s12
..................................................................acucacugAacuccaaaaccuga..........................  1    1    s12
..................................................................acucacugAacuccaaaaccugau.........................  1    1    s12
..................................................................cucacugAacuccaaaaccu............................  2    1    s12
..................................................................cucacugAacuccaaaaccug...........................  4    1    s12
..................................................................cucacugAacuccaaaaccuga..........................  1    1    s12
..................................................................cucacugAacuccaaaaccugauu........................  2    1    s12
..................................................................ucacuggacuccaaaaccugau..........................  1    0    s12
..................................................................ucacuggacuccaaaaccugaCu.........................  1    1    s12
..................................................................acuggacuccaaaaccuga.............................  2    0    s12
..................................................................acuggacuccaaacAugau.............................  1    1    s12
..................................................................acuggacuccaaaaccugaC.............................  2    1    s12
..................................................................acuggacuccaaaaccugau.............................  4    0    s12
..................................................................aUuggacuccaaaaccugau.............................  1    1    s12
..................................................................acuggacuccaaacAugauu............................  1    1    s12
..................................................................acuggacuccaaaaccugauC............................  1    1    s12
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauA............................  1    1    s12
..........................................acuggacuccaaaaccugUuu...................................................  1    1    s12
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuaggguuggaguuccagugauuuacucacuggacuccaaaccugauuccugauugcaauaggagagacu
................................................................acuggacuccaaaccugauu......................   25    0    s12
................................................................acuggacuccaaGccugauu......................    1    1    s12
................................................................acuggacuccaaaccugauAu......................    1    1    s12
................................................................acuggacuccaaaccugauuA......................    2    1    s12
................................................................acuggacuccaaaccugauuuA.....................    3    1    s12
................................................................acuggacuccaaaccugauuuc.....................    4    0    s12
................................................................acuggacuccaaaccugauuucU....................    3    1    s12
................................................................acuggacuccaaaccugauuucA....................    2    1    s12
................................................................acuggacuccaaaccugauuucc....................    8    0    s12
................................................................acuggacuccaaaccugauuuccA...................    1    1    s12
................................................................cuggacuccaaaccugauuuA......................    1    1    s12
................................................................cuggacuccaaaccugauuuc......................    7    0    s12
................................................................cuggacCccaaaccugauuuc......................    1    1    s12
................................................................cuggacuccaaaccugauuucc.....................    4    0    s12
................................................................cuggacuccaaGccugauuuccu....................    2    1    s12


.........................gaauuaggguuggaguuccaguga...............................................    4    0    s13
.........................gaauuaggguuggaguuccagugaCuu.............................................    1    1    s13
...........................aauuaggguuggaguucU....................................................    2    1    s13
...........................aauuaggguuggaguuccagu.................................................    1    0    s13
...........................aauuaggguuggaguuccaguga...............................................    5    0    s13
............................aCuaggguuggaguuccagugauu.............................................    1    1    s13
...............................uuaggCuuggaguuccag................................................    1    1    s13
...............................uuaggguuggaguuccag................................................    5    0    s13
...............................uuaggguuggaguuccaU................................................    1    1    s13
...............................uuaggguuggaguuccagu...............................................    4    0    s13
...............................uuaggguuggaguuccagug..............................................    4    0    s13
...............................uuagguuGggaguuccaguga.............................................    1    1    s13
...............................uuaggguuggaguuccaguga.............................................   20    0    s13
...............................uuaggguuggaguuccagugaA............................................    2    1    s13
...............................uuaggguuggaguuccagugau............................................    5    0    s13
...............................uuaggguuggaguuccagugaAu...........................................    1    1    s13
...............................uuaggguuggaguuccagugauu...........................................    1    0    s13
................................uaggguuggaguuccagC...............................................    5    1    s13
................................uaggguuggaguuccagu...............................................   29    0    s13
................................uGgguuggaguuccagu................................................    2    1    s13
................................uaggguuggaguuccagA...............................................    5    1    s13
................................uaggguuggaguuccaUu...............................................    7    1    s13
................................uaggguuggaguuccaguA..............................................    2    1    s13
................................uaggguuggaguuccaguU..............................................    5    1    s13
................................uaggguuggaguuccagug..............................................   31    0    s13
................................uaggguuggaguuccagCga.............................................    3    1    s13
................................uaggguuggaguuccagugG.............................................    7    1    s13
................................Caggguuggaguuccaguga.............................................    1    1    s13
................................uaggguuggGguuccaguga.............................................    5    1    s13
................................uaggguuggaguGccaguga.............................................    1    1    s13
................................uaggguuggaguUcaguga..............................................    1    1    s13
................................uaggguuggaguCccaguga.............................................    3    1    s13
................................uaggguuggaguuccaguga.............................................  229    0    s13
................................uaggguuggaguuccaguAa.............................................    1    1    s13
................................uaggguuggaUuuccaguga.............................................    1    1    s13
................................uaggguuggagAuccaguga.............................................    1    1    s13
................................uGgguuggaguuccaguga..............................................    3    1    s13
................................uaggguuggaguuccGguga.............................................    2    1    s13
................................uaggguuggaguuccagugC.............................................    2    1    s13
................................uaggguuggaguuccagugU.............................................   10    1    s13
................................Aaggguuggaguuccaguga.............................................    6    1    s13
................................uaggguuggaguuGcaguga.............................................    1    1    s13
................................uaggguuggaguuccUguga.............................................    1    1    s13
................................uaggguuggaguuccagugau............................................   53    0    s13
................................uaggguuggaguuccagugaG............................................    1    1    s13
................................uaggguuggaguuccagugaC............................................   10    1    s13
................................uaggguuggaguuccagugaA............................................    7    1    s13
................................uaggguuggaguUcagugau............................................    1    1    s13
................................Aaggguuggaguuccagugau...........................................    1    1    s13
................................uaggguuggaguuccagCgau...........................................    1    1    s13
................................uaggguuggaguuccagugUu...........................................    2    1    s13
................................uagguuggGguuccagugau............................................    1    1    s13
guuggaggaagaaggaccacagucugcgaguagggaauuaggguuggaguuccGgugau....uuacucacuggacuccaaaccugauuccugauugcaauaggagagacu    3    1    s13
................................Caggguuggaguuccagugau...........................................    2    1    s13
```

```
guuggaggaagaaggaccacagucugcgaguagggaauuagguuuggaguuccagugauuuacucacuggacuccaaaccugauuuccugauugcaauaggagagacu
```

Sequence	Mature	Star	ID
...................................uagguuuggaguuccGgugauu..	2	1	s13
...................................uagguuuggaguuccagugaAu..	2	1	s13
...................................uagguuuggaguuAcagugauu..	1	1	s13
...................................uagguuuggaguuccagugaCu..	2	1	s13
...................................uagguuuggagCuccagugauu..	1	1	s13
...................................uagguuuggaguuccagugauC..	2	1	s13
...................................uagguuuggaguuccagugauu..	12	0	s13
...................................uagguuuggaguuccagugauA..	3	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
....acuggacuccaaaccugauu......................................	4	0	s13
....acuggacuccaaaccugauA......................................	1	1	s13
....acuggacuccaaacAugauu......................................	1	1	s13
....acuggacuccaaacAugauuu.....................................	1	1	s13
....acuggacuccaaaccugauuu.....................................	3	0	s13
....acuggacuccaaaccugauuuc....................................	3	0	s13
....acuggacCccaaaccugauuuc....................................	2	1	s13
....acuggacuccaaaccugauuucc...................................	1	0	s13
....acuggacuccaaaccugauuucU...................................	1	1	s13
....cuggacuccaaaccugauuuc...................................	1	0	s13
....uggacuccaaaccugauuuc...................................	2	0	s13