Mature   **Star**

```
5'- aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugaggggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac -3'   obs
    aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugagggguaggggguuucuuuguqaucugugagucauuugccuggaagugauauac          exp
    .........(((((((((.((((((((((((.((((.((((((((((.(.(.....).)))))))))).)))).)))))))))).)))))))((((((......))))))))....   reads    mm    sample
..................aaagaaagcccugaccaU...............................................................................   1     1     s16
..................aaagaaagcccugaccacU..............................................................................   4     1     s16
..................aaagGaagcccugaccacc..............................................................................   1     1     s16
..................aaagaaagcccugaccacA..............................................................................   1     1     s16
..................aaagaaagcccugaccacc..............................................................................   6     0     s16
..................aaagaaagcccugCccacc..............................................................................   1     1     s16
..................aaagaaagcccugaccaccu.............................................................................   2     0     s16
..................aaagaaagcccugaccaccC.............................................................................   1     1     s16
..................aaagaaagcccugaccacUu.............................................................................   1     1     s16
..................aaagaaagcccugaccaccA.............................................................................   1     1     s16
..................aaagaaagcccugaccaccuu............................................................................   2     0     s16
..................aaagaaagcccuCaccaccuuc...........................................................................   1     1     s16
..................Gaagaaagcccugaccaccuuc...........................................................................   1     1     s16
..................aaCgaaagcccugaccaccuuc...........................................................................   1     1     s16
..................aaagaaagcccugaccaccuuc...........................................................................   26    0     s16
..................aaagaaagcccugaccaccuuU...........................................................................   5     1     s16
..................aaGgaaagcccugaccaccuuc...........................................................................   3     1     s16
..................aaagaaagcccugaccaccuuA...........................................................................   1     1     s16
..................aaagaaagcccGgaccaccuucu..........................................................................   1     1     s16
..................aaagaaagcccugaccaccuucu..........................................................................   10    0     s16
..................aaagaaagcccugaccaccuucA..........................................................................   4     1     s16
..................aaaUaaagcccugaccaccuucu..........................................................................   2     1     s16
..................aaagaaagcccugaccaccuucC..........................................................................   2     1     s16
..................aaGgaaagcccugaccaccuucuc.........................................................................   1     1     s16
...................aagaaagcccugaccaccu.............................................................................   3     0     s16
...................aagaaagcccugaccaccuu............................................................................   3     0     s16
...................aCgaaagcccugaccaccuuc...........................................................................   2     1     s16
...................aagaaagcccugaccaccGuc...........................................................................   1     1     s16
...................aagaaagcccugaccaccuucu..........................................................................   1     0     s16
...................aagaaagcccugaccaccuucC..........................................................................   1     1     s16
...................aagaaagcccugaccaccuucuc.........................................................................   4     0     s16
....................agaaagcccugaccaccuu............................................................................   2     0     s16
....................agaaagcccugaccaccuuU...........................................................................   1     1     s16
```

aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac

....................agaaagcccugaccaccuucuc..	1	0	s16
....................agaaagcccCgaccaccuucuc..	1	1	s16
....................agaaagcccugaccaccuucucu...	2	0	s16
.....................gaaagcccugaccaccuu..	1	0	s16
.....................gaaagcccugaccaccuucucA...	3	1	s16
.....................gaaagcccugaccaccuucucC...	2	1	s16
.....................gaaagcccugaccaccuucucA...	1	1	s16
......................aaagcccugaccaccuuU...	2	1	s16
......................aaagcccugaccaccuucu..	3	0	s16
......................aaagcccugaccaccuucA..	1	1	s16
......................aaagcccugaccaccuucuc...	1	0	s16
......................aaagcccugaccaccuucucA..	3	1	s16
......................aaagcccugaccaccuucucC..	2	1	s16
......................aaagcccugaccaccuucucu..	1	0	s16
......................aaagcccugaccaccuucucuu...	1	0	s16
....augugaggggugguaggggguuucuuu.................................	1	0	s16
....gagggCgguaggggguuucu..	1	1	s16
....gagggugguaggggggAuucuu......................................	1	1	s16
....gagggugguaggggguuucuuuA.....................................	1	1	s16
....agggugguaggggguuucuA.......................................	2	1	s16
....................aaagaaagcccugaccaccA...	1	1	s15
....................aaagaaagcccugaccaccuuc...	1	0	s15
....................aaagaaagcccugaccaccuucu..	1	0	s15
....................aaagaaagcccuUaccaccuucu..	1	1	s15
.....................aagaaagcccugaccaccuucucG..	1	1	s15
.....................agaaagcccuUaccaccuuc..	1	1	s15
......................gaaagcccugaUcaccuucu...	1	1	s15
......................gaaagcccugaccaccuucuU..	1	1	s15
....................aaagaaagcccugaccaU...	1	1	s06
....................aaagaaagcccugaccacc..	2	0	s06
....................aaCgaaagcccugaccacc..	1	1	s06
....................aaagaaagcccugaccacU..	2	1	s06
....................aaagaaagcccugaccaccu...	1	0	s06
....................aaagaaagcccugaccaccuu..	8	0	s06
....................aaagaaagcccugaccaccuC..	1	1	s06
....................aaagaaagcccugaccaccuGc...	1	1	s06
....................aaagaaaUcccugaccaccuuc...	1	1	s06
....................aaagaaagcccugUccaccuuc...	1	1	s06
....................aaagaaagcccugaccaccuuc...	35	0	s06
....................aaagaaagcccugaccaccCuc...	1	1	s06
....................aaagaaagcccugaAcaccuuc...	1	1	s06
....................aaagaaagcccugaccaccuuU...	6	1	s06
....................aaagaaagcccugaccaUcuuc...	1	1	s06
....................aaagaaagcccugaccaccuucG..	1	1	s06
....................aaagaaagcccugaccaccuucA..	2	1	s06
....................aaagaaagcccugaccaccuucu..	3	0	s06
.....................aagaaagcccugaccacc..	1	0	s06
.....................aagaaagcccugaccaccuuc...	1	0	s06
.....................aagaaagcccugaccaccuucC..	1	1	s06
.....................aagaaagcccugaccaccuucuc...	1	0	s06
......................agaaagcccugaccaccuuc...	1	0	s06
......................agaaagcccugaccaccuucuU...	2	1	s06
.......................gaaagcccugaccaccuu..	1	0	s06
.......................gaaagcccugaccaccuucC..	1	1	s06
.......................gaaagcccugaccaccuucu..	7	0	s06
.......................gaaagcccugaccaccuucucA..	1	1	s06
........................aaagcccugaccaccuucu..	1	0	s06
.........................aagcccugaccaccuucuAuu...	1	1	s06
....gagggugguaggggguuucu..	1	0	s06
....gagggugguaggggguuucuu.......................................	2	0	s06
....ggguguaggggguuucuuuguU..................................	2	1	s06
....ugguaggggguuucuuugC....................................	1	1	s06
....gugaucugugagucauuugccugga.........................	3	0	s06
....................aaagaaagcccugaccacc..	3	0	s03
...................aaagaaagcccugaccaccC..	2	1	s03
aaagaaagcccugaccaccA...	3	1	s03
....................aaagaaagcccugaccaccu...	3	0	s03

Mature　　**Star**

```
aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaauguagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac
```

Sequence	n1	n2	Sample
..................aaagaaagcccugaccaccGu.	1	1	s03
..................aaagaaagcccugaccaccuC.	1	1	s03
..................aaagaaagcccugaccaccuu.	8	0	s03
..................aaagaaagcccugaccaccuuc.	25	0	s03
..................aaagaaagcccugaccaccuuU.	1	1	s03
..................aaagaaagcccugaccaccuucA.	11	1	s03
..................aaagaaagUccugaccaccuucu.	1	1	s03
..................aaagaaGgccugaccaccuucu.	1	1	s03
..................aaagaGagcccugaccaccuucu.	2	1	s03
..................aaagaaagcccugaccaccuucu.	19	0	s03
..................aaagaaagcccugaccaccuucC.	3	1	s03
..................aaagaaagcccugaccaccuucuA.	5	1	s03
..................aaagaaagcccugaccaccuucuc.	1	0	s03
..................aaagaaagcccugacUaccuucuc.	1	1	s03
...................aagaaagcccugaccaccuuc.	1	0	s03
...................aagaaagcccugaccaccuucA.	1	1	s03
...................aagaaagcccugaccaccuucuU.	1	1	s03
...................aagaaagcccugaccaccuucucA.	4	1	s03
...................aagaaagcccugaccaccuucucC.	1	1	s03
...................aagaaagcccugaccaccuucucG.	1	1	s03
...................aagaaagcccugaccaccuucucu.	2	0	s03
....................agaaagcccugaccaccuC.	1	1	s03
....................agaaagcccugaccaGcuu.	1	1	s03
....................agaaagcccugaccaccuucucA.	1	1	s03
....................agaaagcccugaccaccuucucu.	2	0	s03
.....................gaaagcccugaccaccuucuc.	1	0	s03
......................aaagcccugaccaccuucu.	2	0	s03
......................aaagcccugaccaccuucA.	1	1	s03
......................aaagcccugaccaccuucC.	1	1	s03
......................aaagcccugaccaccuucuc.	2	0	s03
......................aaagcccugaccaccuucuU.	1	1	s03
......................aaagcccugaccaccuucucA.	8	1	s03
......................aaagcccugaccaccuucucu.	2	0	s03
......................aaagcccugacUaccuucucu.	1	1	s03
......................aaagcccugaccaccuucucC.	3	1	s03
....gaggguggu aggggguuucuuu.	1	0	s03
....gggugguaggggguuucuuugA.	1	1	s03
....gugguaAggggguuucuuug.	1	1	s03
.aaggccuuucacagaacac.	2	0	s07
.aaggccuuucacagaacaca.	1	0	s07
..................aaagaaagcccugaccacc.	5	0	s07
..................aaagaaagcccuUaccacc.	11	1	s07
..................aaagaaagcccugaccacA.	1	1	s07
..................aaagaaagcccugaccacU.	2	1	s07
..................aaagaaagcccuUaccaccu.	12	1	s07
..................aaagaaagcccugaccaccA.	1	1	s07
..................aaagaaagcccuUaccaccuu.	11	1	s07
..................aaagaaagcccugaccaccuu.	4	0	s07
..................aaagaaagcccuUaccaccuuc.	46	1	s07
..................aaagaaagcccugaccGccuuc.	1	1	s07
..................aaagaaagcccugaccaccuuc.	10	0	s07
..................aaagaaagcccugaccaccuucA.	6	1	s07
..................aaagaaagcccuUaccaccuucu.	53	1	s07
..................aaagaaagcccugaccaccuucu.	4	0	s07
..................aaagaaagcccuUaccaccuucuc.	3	1	s07
...................aagaaagcccugaccaccuuc.	1	0	s07
...................aagaaagcccuUaccaccuuc.	3	1	s07
...................aagaaagcccugaccaccuucu.	1	0	s07
...................aagaaagcccugaccaccuucA.	1	1	s07
...................aagaaagcccugaccaccuucuc.	1	0	s07
...................aagaaagcccugaccaccuucucA.	2	1	s07
....................agaaagcccugaccaccGu.	1	1	s07
....................agaaagcccuUaccaccuuc.	3	1	s07
....................agaaagcccuUaccaccuucu.	4	1	s07
.....................gaaagcccugaccaccuu.	2	0	s07
.....................gaaagcccuUaccaccuu.	6	1	s07
.....................gaaagcccugaccaccuuc.	1	0	s07
.....................gaaagcccuUaccaccuuc.	2	1	s07
.....................gaaagcccuUaccaccuucu.	25	1	s07

```
aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac
```

Sequence			Count	Count	Sample
.....................gaaagcccugaccaccuucu.			1	0	s07
.....................gaaagcccuCaccaccuucu.			2	1	s07
.....................gaaagcccuUaccaccuucuc			1	1	s07
.....................gaaagcccugaccaccuucucA			1	1	s07
.....................gaaagcccuUaccaccuucucu			1	1	s07
.....................gaaagcccuUaccaccuucucuu			1	1	s07
......................aaagcccuUaccaccuuc.			1	1	s07
......................aaagcccugaccaccuucu.			1	0	s07
......................aaagcccugaccaccuucA.			2	1	s07
......................aaagcccuUaccaccuucu.			5	1	s07
......................aaagcccugaccaccuucC.			1	1	s07
......................aaagcccuUaccaccuucuc.			1	1	s07
......................aaagcccugaccaccuucucA.			1	1	s07
uuaaugCgagggugguaggggguuucuuug			2	1	s07
gagggugguGggggguuucuu.			1	1	s07
aggguguaggggGAuuucuu.			1	1	s07
ggguguaggggguuucuuuguC.			1	1	s07
gguaggggGAuuucuuu.			1	1	s07
ugguaggggguuucuuuAu.			1	1	s07
gugaucugugagucauuugccugU			1	1	s07
gaucugugagucauuugccugA			1	1	s07
gaucugugagucauuugccugg			1	0	s07
gaucugugagucauuugccugga			1	0	s07
...................aaagaaaAcccugaccacc			1	1	s09
...................aaagaaagcccugaccacc			8	0	s09
...................aaagaaagcccugaccaccA			1	1	s09
...................aaagaaagcccugaccaccu			3	0	s09
...................aaagaaagcccugaccaccuC			1	1	s09
...................aaagaaagcccugaccaccuu			8	0	s09
...................aaagaaagcccugaccacUuu			1	1	s09
...................aaagaaagcccugaccaccuuU			1	1	s09
...................aaagaaagcccugaccaccuuc			19	0	s09
...................aaagaaagcccugaccaccuucu			6	0	s09
...................aaagaaagcccugaccaccuucA			3	1	s09
...................aaagaaagcccugaccaccuucG			2	1	s09
....................aagaaagcccugaccaccG			1	1	s09
....................aagaaagcccugaccaccu			1	0	s09
....................aagaaagcccugaccaccuuc			2	0	s09
....................aagaaagcccugaccaccuucuc			2	0	s09
....................aagaaagcccugaccaccuucucA			2	1	s09
.....................agaaagcccugaccaccuucu			1	0	s09
.....................agaaagcccugaccaccuucC			1	1	s09
.....................agaaagcccugaccaccuucucA			1	1	s09
......................gaaagcccugaccaccuucC			1	1	s09
......................gaaagcccugaccaccuucu			1	0	s09
.......................aaagcccugaccaccuucu.			3	0	s09
.......................aaagcccugaccaccuucuc.			1	0	s09
.......................aaagcccugaccaccuucucA.			2	1	s09
.......................aaagcccugaccaccuucucu.			2	0	s09
.......................aaagcccugaccaccuucuAu.			1	1	s09
gagggugguaggggguuucuuugu.			1	0	s09
ggguguaggggguuucuuuguU.			3	1	s09
................aaagaaagcccugaccaccuucC			2	1	s04
................aaagaaagcccugaccacc			5	0	s08
................aaagaaagcccuAaccacc			1	1	s08
................aaagaaagcccugaccacU			6	1	s08
................aaagaaagcccugaccaccG			1	1	s08
................aaagaaagcccugaccaccu			4	0	s08
................aaagaaagcccugaccaccC			2	1	s08
................aaagaaagcccugaccaccuu			4	0	s08
................aaagGaagcccugaccaccuu.			1	1	s08
................Gaagaaagcccugaccaccuu.			2	1	s08
................aaagaaagcccugacUaccuuc.			1	1	s08
................aaagaaagcccugacGaccuuc.			1	1	s08
................aaagaaagcccugaccaccuuA.			1	1	s08
aaagaaagcccugaccaccuuc.			28	0	s08
................aaagaaagcccugaccaccuuU.			3	1	s08

```
aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac

.....................aaagaaagcccugaccaccuGcu...................................................... 2    1    s08
.....................aaagaaagcccugaccaccuucA...................................................... 5    1    s08
.....................aaagaaagcccuUaccaccuucu...................................................... 1    1    s08
.....................aaagaaGgcccugaccaccuucu...................................................... 1    1    s08
.....................aUagaaagcccugaccaccuucu...................................................... 1    1    s08
.....................aaagaaagcccugaccaccuucu...................................................... 15   0    s08
.....................aaagaaagcccugaccaccuucC...................................................... 4    1    s08
......................aagaaagcccugaccacc......................................................... 1    0    s08
......................aagaaagcccugaccaccu........................................................ 1    0    s08
......................aagaaagcccugaccaccuucucu.................................................... 1    0    s08
.......................agaaagcccugaccaccuucu..................................................... 1    0    s08
........................gaaagcccugaccaccuucu.................................................... 1    0    s08
........................gaaagcccugaccaccuucucu.................................................. 3    0    s08
........................gaaagcccugaccaccuucucC.................................................. 1    1    s08
.........................aaagcccugaccaccuucu.................................................... 2    0    s08
.........................aaagcccugaccaccuucC.................................................... 1    1    s08
.........................aaagcccugaccaccuucucu.................................................. 4    0    s08
.........................aaagcccugaccaccuucucAu................................................. 1    1    s08
..........................................uuaaugugagggugguaggggguuucuuAg......................... 1    1    s08
...............................................gggugguaggggguuucuuGgu........................... 1    1    s08

...................aaagaaagcccuUaccacc........................................................... 2    1    s18
...................aaagaaagcccuUaccaccuu......................................................... 3    1    s18
...................aaagaaagcccugaccaccuC......................................................... 1    1    s18
...................aaagaaagcccugaccaccuu......................................................... 2    0    s18
...................aaagaaagcccugaccaccuuU........................................................ 1    1    s18
...................aaagaaagcccuUaccaccuuc........................................................ 26   1    s18
...................aaagaaagcccugaccacGuuc........................................................ 1    1    s18
...................aaagaaagcccugaccaccuuc........................................................ 4    0    s18
...................Caagaaagcccugaccaccuucu....................................................... 1    1    s18
...................aaagaaagcccugaccaccuucu....................................................... 2    0    s18
...................aaagaaagcccuUaccaccuucu....................................................... 26   1    s18
...................aaagaaagcccugaccaccuucA....................................................... 3    1    s18
....................aagaaagcccuUaccaccuuc........................................................ 1    1    s18
....................aagaaagcccuUaccaccuucu....................................................... 1    1    s18
....................aagaaagcccugaccaccuucu....................................................... 5    0    s18
....................aagaaagcccugaccaccuucuc...................................................... 1    0    s18
.....................agaaagcccuUaccaccuu......................................................... 2    1    s18
.....................agaaagcccugaccaccuu......................................................... 2    0    s18
.....................agaaagcccuUaccaccuuc........................................................ 5    1    s18
.....................agaaagcccuUaccaccuucu....................................................... 6    1    s18
......................gaaagcccuUaccaccuu......................................................... 1    1    s18
......................gaaagcccugaccaccuuA........................................................ 1    1    s18
......................gaaagcccuUaccaccuucu....................................................... 2    1    s18
......................gaaagcccugaccaccuuAu....................................................... 1    1    s18
......................gaaagcccugaccaccuucuc...................................................... 1    0    s18
......................gaaagcccuUaccaccuucuc...................................................... 1    1    s18
......................gaaagcccugaccaccuucucu..................................................... 1    0    s18
.......................aaagcccugaccaccuucucA.................................................... 1    1    s18
........................aagcccuUaccaccuucuc..................................................... 1    1    s18
............................................cuuaaugugagggugguaggggguuucuuu..................... 4    0    s18
..............................................gagggugguaggggguuucu............................. 1    0    s18
..............................................gagggugguaggggguuucuuA........................... 2    1    s18
..............................................gagggugguaggggguuucuAu........................... 1    1    s18
...............................................gggugguaggggAuuucuu............................. 1    1    s18

...................aaagaaagcccugaccac............................................................ 1    0    s05
...................aaagaaagcccugaccacU........................................................... 3    1    s05
...................aaagaaagcccugaccaccuu......................................................... 2    0    s05
...................aaagaaagcccugaccaccuC......................................................... 1    1    s05
...................aaagaaagcccugaccaccuuc........................................................ 7    0    s05
...................aaagaaagcccugaccaccuucA....................................................... 1    1    s05
...................aaagaaagcccugaccaccuucC....................................................... 1    1    s05
...................aaagaaagcccugaccaccuucG....................................................... 1    1    s05
...................aaagaaagcccugaccaccuucucu..................................................... 14   0    s05
....................aagaaagcccugaccaccuu......................................................... 1    0    s05
....................aagaaagcccugaccaccuucuc...................................................... 1    0    s05
.....................agaaagcccugaccaccuu......................................................... 2    0    s05
aaaggccuuucacagaacacagaaagcccugaccaccuucC....................................................... 1    1    s05
.....................gaaagcccugaccaccuu......................................................... 1    0    s05
```

```
aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac

......................gaaagcccugaccaccuucu.....................................................................    1    0    s05
.....................aaagcccugaccaccuuU.......................................................................    1    1    s05
.....................aaagcccugaccaccuucu......................................................................    2    0    s05
....................aaagcccugaccaccuucucu.....................................................................    2    0    s05
....................aaagcccugaccaccuucucA.....................................................................    1    1    s05
.....................aagcccugaccaccuucuU......................................................................    1    1    s05
...............................................gagggugguaggggguuucu............................................    1    0    s05
...............................................gagggugguaggggguuucuu...........................................    2    0    s05


aaaggccuuucacagaacac.........................................................................................    1    0    s02
.aaggUcuuucacagaacac.........................................................................................    4    1    s02
.aaggccuuucacagaacaU.........................................................................................    2    1    s02
.aaggccuuucacagaacac.........................................................................................    5    0    s02
....................aaagaaagcccugaccac.......................................................................    5    0    s02
....................aaCgaaagcccugaccacc......................................................................    1    1    s02
....................aaagaaagcccugaccacU......................................................................   13    1    s02
....................aaagaaagcccugaccacA......................................................................    5    1    s02
....................aaagaaagcccugaccacc......................................................................   18    0    s02
....................aaagaaagcccugaccaccA.....................................................................   12    1    s02
....................aaagaaagcccugaccaccu.....................................................................   18    0    s02
....................aaagaaagcccugacUaccu.....................................................................    1    1    s02
....................aaagaaagcccugaccaccC.....................................................................    6    1    s02
....................aaagaaagcccugaccaccAu....................................................................    1    1    s02
....................aaagaaagcccugaccaccuu....................................................................    7    0    s02
....................aaCgaaagcccugaccaccuuc...................................................................    2    1    s02
....................aaagaaagcccugaccaccuuc...................................................................   68    0    s02
....................aaagaaagcccugaccaccuuU...................................................................   12    1    s02
....................aaagaaagcccCgaccaccuuc...................................................................    3    1    s02
....................aaagaaagcccugaccaccuuAu..................................................................    1    1    s02
....................aaagaaagcccugaccaccuucC..................................................................    1    1    s02
....................aaagaaagcccugaccaccuucA..................................................................   33    1    s02
....................aaagaaagcccugaccaccuucu..................................................................   22    0    s02
....................aaagaaagcccugaccaccuucuc.................................................................    2    0    s02
....................aaagaaagcccugaccaccuucuA.................................................................    3    1    s02
....................aaagaaagcccugaccaccuucuU.................................................................    1    1    s02
.....................aagaaagcccugaccacc......................................................................    3    0    s02
.....................aagaaagcccugaccacU......................................................................    1    1    s02
.....................aagaaagcccugaccaccA.....................................................................    1    1    s02
.....................aagaaagcccugaUcaccu.....................................................................    1    1    s02
.....................aagaaagcccugaccaccuu....................................................................    1    0    s02
.....................aagaaagcccugaGcaccuuc...................................................................    1    1    s02
.....................aagaaagcccugaccaccuuc...................................................................    3    0    s02
.....................aagaGagcccugaccaccuucu..................................................................    3    1    s02
.....................aagaaagcccugaccaccuucu..................................................................    1    0    s02
.....................aagaaagcccugaccaccuucA..................................................................    2    1    s02
.....................aagaaagcccugaccaccuucuc.................................................................    2    0    s02
.....................aagaaagcccugaccaccuucucA................................................................    5    1    s02
.....................aagaaagcccugaccaccuucucu................................................................    4    0    s02
.....................aagaaagcccugaccaccuucucuA...............................................................    1    1    s02
.....................aagaaagcccugaccaccuucucAu...............................................................    1    1    s02
......................agaaagcccCgaccaccuu....................................................................    2    1    s02
......................agaaagcccugaccaccuu....................................................................    5    0    s02
......................agaaagcccugaccaccuuc...................................................................    2    0    s02
......................agaaagcccugaccaccuuU...................................................................    1    1    s02
......................agaaagcccugaccaccuucu..................................................................    7    0    s02
......................agaaagcccGgaccaccuucu..................................................................    1    1    s02
......................agaaagcccugaccaccuucC..................................................................    1    1    s02
......................agaaagcccugaccaccuucA..................................................................    1    1    s02
......................agaaagcccugaccaccuucuU.................................................................    1    1    s02
.......................gaaagcccugaccaccuucA..................................................................    1    1    s02
.......................gaaagcccugaccaccuucu..................................................................    2    0    s02
.......................gaaagcccugaccaccuucC..................................................................    1    1    s02
.......................gaaagcccugacUaccuucu..................................................................    1    1    s02
.......................gaaagcccugaccaccuucuc.................................................................    1    0    s02
.......................Aaaagcccugaccaccuucucu................................................................    1    1    s02
........................aaagcccugaccaccuuA...................................................................    1    1    s02
........................aaagcccugaccaccuuU...................................................................    1    1    s02
........................aaagcccugaccaccuucA..................................................................    6    1    s02
aaaggccuuucacagaacac....aaagcccugaccaccuucC..................................................................    1    1    s02
........................aaagcccugaccaccuAcu..................................................................    1    1    s02
```

Mature   **Star**

```
aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac
```

Sequence	Count		ID
...................................aaaagcccugaccaccuucu..	25	0	s02
...................................aaaagcccugaccaccuuGcu...	1	1	s02
...................................aaaagcccugaccaccuucuA..	3	1	s02
...................................aaaagcccugaccaccuucuc...	5	0	s02
...................................aaaagcccugaccaccuucucA...	8	1	s02
...................................aaaagcccugaccaccuucucu...	10	0	s02
...................................aaaagcccugaccaccuucucuGu...	1	1	s02
...................................aaaagcccugaccaccuucucuUu...	1	1	s02
...................................aaaagcccugaccaccuucucucuA...	1	1	s02
....................................aagcccugaccaccuuAu...	1	1	s02
....uuaaugugagggugguaggggguuucuuug........................	10	0	s02
....gagggugguaggggguuucuu...........................	1	0	s02
....gagggugguaggggguuucuuu...........................	3	0	s02
....gagggugguaggggguuucuuuA..........................	1	1	s02
....gagggugguaggggguuucuuuA.........................	1	1	s02
....gagggugguaggggguuucuuug.........................	2	0	s02
....aggggguaggggguuucuuugu.......................	1	0	s02
....aggggguaggggguuucuuugC.......................	1	1	s02
....aggggguaggggguuucuuuguU......................	2	1	s02
....gggguaggggguuucuuugC.......................	1	1	s02
....gggguaggggguuucuuugu.......................	2	0	s02
....ugguaggggguuucuuugu......................	3	0	s02
....ugguaggggguuucuuugC......................	4	1	s02
....ugguaggggguuucuuuguC.....................	1	1	s02
....ugguaggggguuucuuuguA.....................	2	1	s02
....ugguaggggguuucuuugugU....................	2	1	s02
....ugguaggggguuucuuugugau...................	1	0	s02
....ugguaggggguuucuuuguUau...................	4	1	s02
....gugaucugugagucauAugccugga..........	1	1	s02
....gugaucugugagucauuugccugga..........	1	0	s02
....gugaucugugagucauuugccuggaa.........	1	0	s02
....ugaucugCgagucauuugccugga..........	1	1	s02
....gaucugugagucauuugccugAa..........	1	1	s02
....gaucugugagucauuugccugAaa.........	3	1	s02
....gaucugugagucauuugccugAaagug......	1	1	s02
...................aaagaaagcccugaccac..	1	0	s11
...................aaagaaagcccugaccacA...	3	1	s11
...................aaagaaagcccugaccacc...	1	0	s11
...................aaagaaagcccugaccaccuuU..	1	1	s11
...................aaagaaagcccugaccaccuuA..	2	1	s11
...................aaagaaagcccugaccaccuuc..	3	0	s11
...................aaagaaagcccugaccaccuucu..	3	0	s11
....................aagaaagcccugaccaccuuc...	6	0	s11
....................aagaaagcccugaccaccuucucu...	1	0	s11
.....................gaaagcccugaccaccuucucu..	1	0	s11
...................aaagaaagcccugaccac..	1	0	s10
...................aaagaaagcccugaccacc...	2	0	s10
...................aaagaaagcccugaccacA...	6	1	s10
...................aaagaaagcccugaccacU...	7	1	s10
...................aaagaaagcccugaccacG...	1	1	s10
...................aaagaaagcccugaccaccu..	1	0	s10
...................aaagaaagcccugaccaccA..	1	1	s10
...................aaagaaagcccugacUaccuu...	1	1	s10
...................aaagaaagcccugaccaccuu...	3	0	s10
...................aaagaaagcccugaccaccuA...	1	1	s10
...................aaGgaaagcccugaccaccuuc..	1	1	s10
...................aaagaaagcccugaccaccuuA..	2	1	s10
...................aaagaaagcccugaccacUuuc..	1	1	s10
...................aaagaaagcccugaccaccuuG..	1	1	s10
...................aaagaaagcccugaGcaccuuc..	1	1	s10
...................aaCgaaagcccugaccaccuuc..	2	1	s10
...................aaagaaagccAugaccaccuuc..	1	1	s10
...................aaagaaagcccugaccaccuuc..	56	0	s10
...................aaagaaagUccugaccaccuuc..	1	1	s10
...................aaagaaagcccugaccaccuuU..	4	1	s10
...................aaagaaagcccugacAaccuuc..	2	1	s10
aaagaaagcccugaccaccuuc..	2	1	s10
...................aaagaaagcccugCccaccuuc..	1	1	s10

Mature   **Star**

```
aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac
```

Sequence	Count	Mismatch	Sample
....................aaagaaagcccugaccaccuucA..	5	1	s10
....................aaagaaagcccugaccaccuucC..	3	1	s10
....................aaagaaagcccugaccaccuucG..	2	1	s10
....................aaagaaagcccugaccaccuuUu...	2	1	s10
....................aaagaaagcccugaccaccuucu...	36	0	s10
....................aaagaaagcccCgaccaccuucu...	1	1	s10
....................aaagaaagcccugaccaccuucuA..	1	1	s10
.....................aagaaagcccugaccacc..	1	0	s10
.....................aagaaagcccugaccaccuu..	2	0	s10
.....................aagaaagcccugaccaccuuc...	2	0	s10
.....................aagaaagcccugaccaccuucu..	5	0	s10
.....................aagaaagcccugaccaccuucA..	2	1	s10
.....................aagaaagcccugaccaccuucuc...	2	0	s10
.....................aagaaagcccugaccaccuucucu...	1	0	s10
......................agaaagcccugaccaccuu...	1	0	s10
......................agaaagcccugaccaccuucA...	2	1	s10
......................agaaagcccugaccaccuucucA..	1	1	s10
.......................gaaagcccugaccaccuucu..	2	0	s10
.......................gaaagcccugaccaccuucuc...	3	0	s10
.......................gaaagcccugaccaccuucucu...	4	0	s10
........................aaagcccugaccaccuucu..	2	0	s10
........................aaagcccugaccaccuucuc...	2	0	s10
........................aaagcccugaccaccuucuU..	1	1	s10
........................aaagcccugaccaccuucucu...	4	0	s10
........................aaagcccugaccaccuucuAu...	1	1	s10
........................aaagcccugaccaccuucucA...	5	1	s10
....agggugguaggggguuucA.......................	1	1	s10
....ugguaggggguuucuuuguC...................	1	1	s10
.aaggccuuucacagaacaca...	2	0	s17
....................aaagaaagcccugaccacc...	1	0	s17
....................aaagaaagcccugaccaccuu...	5	0	s17
....................aaagaaagcccuUaccaccuu...	1	1	s17
....................aaagaaagcccugaccaccCuc..	1	1	s17
....................aaagaaagcccugaccaccuuc..	3	0	s17
....................aaagaaagcccuUaccaccuuc..	2	1	s17
....................aaagaaagcccugaccaccuuA..	1	1	s17
....................aaagaaagcccugaccaccuucA...	3	1	s17
....................aaagaaagcccugaccaccuucu...	11	0	s17
....................aaagaaagcccuUaccaccuucu...	4	1	s17
....................aaagaaagcAcugaccaccuucu...	1	1	s17
.....................aagaaagcccugaccaccuuc...	1	0	s17
.....................aagaaagcccugaccaccuucC..	1	1	s17
.....................aagaaagcAcugaccaccuucu..	2	1	s17
.....................aagaaagcccuUaccaccuucu..	1	1	s17
.....................aagaaagcccugaccaccuucuc...	2	0	s17
.....................aagaaagcccuUaccaccuucuc..	1	1	s17
.....................aagaaagcAcugaccaccuucucu...	2	1	s17
.....................aagaaagcccugaccaccuucucu...	1	0	s17
......................agaaagcccugaccaccuucu..	5	0	s17
........................gaaagcccuUaccaccuu...	2	1	s17
........................gaaagcccugaccaccuuc..	1	0	s17
........................gaaagcccuUaccaccuucu...	9	1	s17
........................gaaagcccuUaccaccuucuc..	5	1	s17
........................gaaagcccuUaccaccuucucu..	1	1	s17
.........................aaagcccuUaccaccuuc...	1	1	s17
.........................aaagcccuUaccaccuucuc...	3	1	s17
.........................aaagcccugaccaccuucucu...	4	0	s17
........................aaagaaagcccugaccac...	2	0	s01
........................aaagaaagcccugaccaU...	1	1	s01
........................aaagaaagcccugaccacc..	2	0	s01
........................aaagaaagcccugaccacU..	2	1	s01
........................aaagaaagcccugaccaccA...	2	1	s01
........................aaagaaagcccugaccaccuC..	1	1	s01
........................aaagaaagcccugaccaccuu..	1	0	s01
........................aaagaaagcccugaccaccuuc...	7	0	s01
.......................aaagaaagcccugGccaccuuc..	1	1	s01
aaaggccuuucacagaaca.....aaagaaagcccugaccaccuuU...ucuuaaugugagggugguaggggguuucuuu............	1	1	s01
........................aagaaagcccugaccaccuucu...	1	0	s01

Mature　　　　　　　**Star**

aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaauguagagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac

Sequence	Count	M/S	Sample
....................aagaaagcccugaccaccuucucucA..	1	1	s01
....................agaaagcccugaccaccuu...	1	0	s01
....................agaaagcccugaccaccuucA...	2	1	s01
.....................gaaagcccugaccaccuu...	3	0	s01
.................aaagaaagcccugaccaU...	1	1	s13
.................aaagaaagcccugaccac...	3	0	s13
.................aaagaaagcccugaccacA...	5	1	s13
.................aaagaaagcccugaccacc..	15	0	s13
.................aaagaaagcccugaccGcc..	1	1	s13
.................aaagaaagcccugaccacU..	9	1	s13
.................aaagaaagcccugaccaccu...	6	0	s13
.................aaagaaagcccugaccaccA...	3	1	s13
.................aaagaaagcccugaccaccC...	2	1	s13
.................aaagaaagcccugaccaccuC..	1	1	s13
.................aaagaaagcccugaccaccuu..	5	0	s13
.................aaagaaagcccugaccaccuG..	1	1	s13
.................aaagaaagcccugaccaccuuc...	19	0	s13
.................aaagaaagcccugaUcaccuuc...	2	1	s13
.................aaagaaagcccugaccaccCuc...	1	1	s13
.................aaagaaagcccugaccaccuuU...	1	1	s13
.................aaagaaGgcccugaccaccuucu..	1	1	s13
.................aaagaaagcccugaccaccuucu..	12	0	s13
.................aaagaaagcccugaccaccuucA..	9	1	s13
.................aaagaaagcccugaccaccuucC..	1	1	s13
.................aaagaaagcccugaccaccuucuc...	1	0	s13
.................aaagaaagcccugaccaccuucuA...	2	1	s13
.................aaagaaagcccugaccaccuucuAu..	1	1	s13
.................aagaaagcccugaccaccuuA..	2	1	s13
.................aagaaagcccugaccaccuuc..	2	0	s13
.................aagaaagcccugaccaccuucGc..	1	1	s13
.................aagaaagcccugaccaccuucuc..	2	0	s13
.................aagUaagcccugaccaccuucucu...	1	1	s13
...................agaaagcccugaccaccuu..	1	0	s13
...................agaaagcccugaccaccuG..	2	1	s13
...................agaaagcccugaccaccuucA..	1	1	s13
....................gaaagcccugaccaccuu...	3	0	s13
....................gaaagcccugaccaccuuU..	1	1	s13
....................Caaagcccugaccaccuuc..	1	1	s13
....................gaaagcccugaccaccuuc..	8	0	s13
....................gaaagcccugaccaccuucA...	7	1	s13
....................gaaagcccugaccaccuucu...	25	0	s13
....................gaaagcUcugaccaccuucu...	2	1	s13
....................Aaaagcccugaccaccuucu...	1	1	s13
....................gaaagcAcugaccaccuucu...	1	1	s13
....................gaaagcccugaccaccuucuA..	1	1	s13
....................gaaagcccugaccaccuucuc..	2	0	s13
....................gaaagcccugaccaccuucucC...	1	1	s13
....................gaaagcccugaccaccuucucu...	1	0	s13
....................gaaagcccugaccaccuucucA...	2	1	s13
....................aaagcccugaccaccuuc...	1	0	s13
....................aaagcccugaccaccuucA..	1	1	s13
....................aaagcccugaccaccuuAu..	1	1	s13
....................aaagcccugaccaccuucu..	4	0	s13
....................aaagcccugaccaccuucucu..	3	0	s13
....................aaagcccugaccaccuucucA..	3	1	s13
....................................ugagggugguaggggguuucu..	1	0	s13
.....................................gagggugguaggggguuu..	2	0	s13
.....................................gagggugguaggggguuucuu.......................................	1	0	s13
.....................................gagggugguaggggguuucuuu......................................	1	0	s13
.....................................gagggugguaggggguuucuuug.....................................	1	0	s13
......................................agggugguaggggguuucuuu......................................	1	0	s13
......................................agggugguaggggguuucuuugu....................................	1	0	s13
.aaggccuuucacagaacaca...	1	0	s12
.aaggccuuucacagaUcaca...	1	1	s12
...................aaagaaagcccugaccaU...	1	1	s12
.................aaGgaaagcccugaccacc..	1	1	s12
..................aaagaaagcccugaccacc.....ucuuaaugu gaggguggua gggguuucuuu.........................	4	0	s12
.................aaagaaagcccugaccacU...	1	1	s12

```
aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac
....................aaagaaagcccugaccaccC.....................................................................    1    1    s12
....................aaagaaagcccugaccaccu.....................................................................    3    0    s12
....................aaagaaagcccugaccaccA.....................................................................    4    1    s12
....................aaagaaagcccugaccaccuu....................................................................    5    0    s12
....................aaagaaagcccugaccaccuuc...................................................................   11    0    s12
....................aaagaaagcccugaccaccuucu..................................................................    7    0    s12
....................aaagaaagcccugaccaccuucA..................................................................    7    1    s12
....................aaagaaagcccCgaccaccuucu..................................................................    1    1    s12
....................aaCgaaagcccugaccaccuucu..................................................................    1    1    s12
....................aaagaaagcccugaccaccuucC..................................................................    2    1    s12
....................aaagaaagcccugaccaccuucuc.................................................................    1    0    s12
.....................aagaaagcccugaccaccuuc...................................................................    1    0    s12
.....................aagaaagcccugaccaccuuU...................................................................    2    1    s12
.....................aagaaagcccugaccaccuucu..................................................................    1    0    s12
.....................aagaaaUcccugaccaccuucu..................................................................    1    1    s12
.....................aagaaagcccugaccaccuucuc.................................................................    1    0    s12
.....................aagaaagcccugaccaccuucucu................................................................    1    0    s12
......................agaaagcccugaccaccuucuc.................................................................    1    0    s12
......................agaaagcccugaccaccuucucC................................................................    2    1    s12
.......................gaaagcccCgaccaccuu....................................................................    1    1    s12
.......................gaaagcccugaccaccuu....................................................................    2    0    s12
.......................gaaagcccugaccaccuuc...................................................................    1    0    s12
.......................gaaagcccugaccaccuucu..................................................................    1    0    s12
.......................gaaagcccugaccaccuucucA................................................................    2    1    s12
.......................gaaagcccugaccaccuucucu................................................................    3    0    s12
........................aaagcccugaccaccuuc...................................................................    1    0    s12
........................aaagcccugaccaccuucu..................................................................    8    0    s12
........................aaagcccugaccaccuucG..................................................................    1    1    s12
........................aaagcccugaccaccuucA..................................................................    1    1    s12
........................aaagcccugaccaccuucuc.................................................................    3    0    s12
........................aaagcccugaccaccuucucu................................................................    3    0    s12
........................aaagcccugaccaccuucucA................................................................    1    1    s12
.........................aagcccugaccaccuucu..................................................................    2    0    s12
.................................................gagggugguaggggguuucuuu.....................................    1    0    s12
...................................................gugaucugugagCcauuugccugg.................................    1    1    s12
....................................................ugaucugugagucauuugccugA.................................    1    1    s12
.....................................................gaCcugugagucauuugccug..................................    2    1    s12
.....................................................gaucugugagucauuugccugg.................................   10    0    s12

..................aaagaaagcccugaccacc......................................................................    1    0    s14
..................aaagaaagcccugaccacU......................................................................    4    1    s14
..................aaagaaagcccugaccaccu.....................................................................    3    0    s14
..................aaagaaagcccugaccaccuuc...................................................................    8    0    s14
..................aaagaaagcccugaccaccuucu..................................................................    2    0    s14
..................aaagaaagcccugaccaccuucA..................................................................    1    1    s14
...................aagaaagcccugaccaccuuc...................................................................    1    0    s14
...................aagaaagcccugaccaccuucucA................................................................    1    1    s14
...................aagaaagcccugaccaccuucucC................................................................    1    1    s14
...................aagaaagcccugaccaccuucucAu...............................................................    1    1    s14
....................agaaagcccugaccaccuucuc.................................................................    1    0    s14
......................gaaagcccugaccaccuucucu...............................................................    1    0    s14
.................................................gagggugguaggggguuucuuug....................................    2    0    s14
...................................................gggguguaggggguuucuuugC...................................    1    1    s14

..................aaagaaagcccuUaccacc......................................................................    2    1    s19
..................aaagaaagcccugaccacc......................................................................    3    0    s19
..................aaagaaagcccugaccaccu.....................................................................    1    0    s19
..................aaagaaagcccuUaccaccu.....................................................................    1    1    s19
..................aaagaaagcccuUaccaccuu....................................................................    1    1    s19
..................aaagaaagcccugaccaccuuc...................................................................   13    0    s19
..................aaagaaagcccuUaccaccuuc...................................................................   29    1    s19
..................aaagaaagcccugaccaccuucu..................................................................    4    0    s19
..................aaagaaagcccugaccaccuucA..................................................................    2    1    s19
..................aaagaaagcccuUaccaccuucu..................................................................   20    1    s19
..................Uaagaaagcccugaccaccuucu..................................................................    1    1    s19
..................aaagaaagcccuUaccaccuucuc.................................................................    2    1    s19
...................aagaaagcccuUaccaccuucu..................................................................    1    1    s19
...................aagaaagcccugaccaccuucucA................................................................    6    1    s19
aaagaaagcccuUaccaccuu.ucuuaaugugagggugguaggggguuucuuu......................................................    1    1    s19
..................agaaagcccugaccaccuucuc...................................................................    1    0    s19
```

Mature   **Star**

aaaggccuuucacagaacacaaagaaagcccugaccaccuucucuuaaugugagggugguaggggguuucuuugugaucugugagucauuugccuggaagugauauac

```
.....................gaaagcccuUaccaccuucu.................................................................   1        1        s19
.....................aaagcccugaccaccuucucAu..............................................................   1        1        s19
....................aagcccugaccaccuucuc.................................................................    1        0        s19
.........................................agggugguaggggAuuucuuu..........................................    1        1        s19
```