Provisional ID	: Montipora_capitata_HIv3___Scaffold_1_19676
Score total	: 2
Score for star read(s)	: -1.3
Score for read counts	: 0
Score for mfe	: 1.7
Score for randfold	: 1.6
Score for cons. seed	:
Total read count	: 1071
Mature read count	: 626
Loop read count	: 429
Star read count	: 16

Mature   **Star**

```
5'- cgguagagcggcggagaucuaaacccgaaggucguggguucgauucccacccuggucagaguuuuucucucuguccuugugugggcccauuuccaucuguagggcuaacgcucac  -3'   obs
    cgguagagcggcggagaucuaaacccgaaggucguggguucgauucccacccuggucagaguuuuucucucuguccuugugugggcccauuuccaucuguagggcuaacgcucac        exp
    .....(((((..((.........(((((.((..(((((.......(((((((..((.(((((.....)))))).))..).)))))))))..)).))....))))).)))))..   reads    mm     sample
    cgguagagcggcggagau.............................................................................................   1        0      s13
    cgguagCgcggcggagauc...........................................................................................   1        1      s13
    .gguagagcggcCgagauc...........................................................................................   1        1      s13
    .gguagagcggcggagaucu..........................................................................................   1        0      s13
    ..guagaAcggcggagaucua.........................................................................................   1        1      s13
    ..Auagagcggcggagaucuaaa.......................................................................................   1        1      s13
    ....agagcggcggagaucuaaacccgaagg...............................................................................   1        0      s13
    ..................aaacccgaaggucguggg..........................................................................   4        0      s13
    ..................aaacccgaaggucguggGu.........................................................................   15       0      s13
    ..................aaacccgaaggucguggGA.........................................................................   2        1      s13
    ..................aaacccgaaggucguggGuu........................................................................   10       0      s13
    ..................aaacUcgaaggucguggGuu........................................................................   1        1      s13
    ..................aaaccAgaaggucguggGuu........................................................................   1        1      s13
    ..................aCaccgaaggucguggGuu.........................................................................   1        1      s13
    ..................aaacccgaaggucgugggUA........................................................................   9        1      s13
    ..................aaacccgaaggucgugggUuU.......................................................................   8        1      s13
    ..................aaacccgaaggucguggguuc.......................................................................   3        0      s13
    ..................aaacccgaaggucguggguuAc......................................................................   2        1      s13
    ..................aaacccgaaggucguggguucC......................................................................   1        1      s13
    ...................aacccgaaggucguggguu........................................................................   3        0      s13
    ...................aacccgaaggucguggguu........................................................................   2        0      s13
    ...................aacccgaaggucguggguuc.......................................................................   2        0      s13
    ....................acccgaaggucguggguu........................................................................   6        0      s13
    ....................acccgaaggucguggguuc.......................................................................   1        0      s13
    .....................cccgaaggucguggguuc.......................................................................   1        0      s13
    .....................Accgaaggucguggguucga.....................................................................   1        1      s13
    .....................Accgaaggucguggguucgau....................................................................   1        1      s13
    .....................Accgaaggucguggguucgauucccaccc............................................................   1        1      s13
    ......................Acgaaggucguggguucg......................................................................   2        1      s13
    .......................ccgaaggucguggguucgauuU.................................................................   1        1      s13
    .......................Agaaggucguggguucgauu...................................................................   1        1      s13
    ...........................Acguggguucgauucccacccuggucagag.....................................................   1        1      s13
    ...............................Agauucccacccuggucagag.........................................................   1        1      s13
```

Mature **Star**

```
cgguagagcggcggagaucuaaacccgaaggucguggguucgauucccacccuggucagaguuuuucucugucccuugugugggcccauuuccaucguagggcuaacgcucac
```

Sequence	a	b	c
....auucGcacccuggucagaguuu..	1	1	s13
....auucccacccuggucagaguuuu...	1	0	s13
....cccacccuggucagaguuu..	2	0	s13
....cccacccuggucagaguuuu...	1	0	s13
....acccuggucagaguuuuu...	1	0	s13
....uuuucucuguccuuguguggg...	1	0	s13
....uuucucuguccuuguguggg..	1	0	s13
....uucucuguccuuguguggg...	1	0	s13
....Aucucuguccuugugugggcccauu...	1	1	s13
....ucucuguccuuguguggg...	1	0	s13
....ucucuguccuugugugggccc...	2	0	s13
....cucuguccuugugugggcccauu...	1	0	s13
....ucuguccuugugugggcccauu..	1	0	s13
....Auuccaucguagggcuaacg.....	1	1	s13
....Auuccaucguagggcuaacgc....	1	1	s13
....uuccaucguagggcuaa.......	1	0	s13
cgguagagcggcggagauc..	1	0	s60
.gguagagcggcggagaCc..	1	1	s60
.gguagagcggcggagauc..	1	0	s60
...uagagcggcggagaucuaa...	1	0	s60
....................aaacccgaaggucguggg...	5	0	s60
....................aaaccUgaaggucguggg...	6	1	s60
....................aaacccgaaggucgugggu..	8	0	s60
....................aaacccgaaggucgugggA..	1	1	s60
....................aaacccgaaggucguggguu...	3	0	s60
....................aaacccgaaggucguggguuc..	2	0	s60
....................aaacccgaaggucguggguucgauu..	1	0	s60
.....................aacccgaaggucgugggu..	29	0	s60
.....................aacccgaaggucguggguu...	8	0	s60
.....................aacccgaaggucguggguuc..	8	0	s60
......................acccgaaggucguggguu...	11	0	s60
......................acccgaaggucguggguuc..	16	0	s60
.......................cccgaaggucguggguuc..	2	0	s60
....Acgauucccacccuggucagag..	1	1	s60
....auucccacccuggucaga...	4	0	s60
....auucccacccuggucagag..	17	0	s60
....auucccacccuggucagagu...	5	0	s60
....auucccacccuggucagaguu..	8	0	s60
....auucccacccuggucagaguuu...	3	0	s60
....auucGcacccuggucagaguuu...	1	1	s60
....auucGcacccuggucagaguuuu..	1	1	s60
....auucccacccuggucagaguuuu..	7	0	s60
....auuccGacccuggucagaguuuuu...	1	1	s60
....auucccacccuggucagaguuuuucuc...	1	0	s60
....uuccacccuggucagaguuuu..	1	0	s60
....ucccacccuggucagagu..	2	0	s60
....ucccacccuggucagaguu...	2	0	s60
....acccuggucagaguuuu...	3	0	s60
....uucucuguccuugugugggccc..	1	0	s60
....ucucuguccuugugugggcc...	1	0	s60
....Augugugggcccauuuccaucguag......................................	1	1	s60
....Aauuccaucguagggcuaacgcucac	1	1	s60
....auuuccaucguagggcuaacg.....	1	0	s60
.................aaacccgaaggucguCgg..	1	1	s09
.................aaacccgaaggucgugggu...	5	0	s09
.................aaacccgaaggucguCggu...	1	1	s09
.................aaacccgaaggucguggguu..	3	0	s09
.................aaacccgaaggucguggguA..	4	1	s09
.................aaacccgaaggucguCgguuc..	2	1	s09
.................aaacccgaaggucguggguuU..	5	1	s09
..................aacccgaaggucguggguu...	2	0	s09
...................acccgaaggucguggguuc..	1	0	s09
....Acgauucccacccuggucag...	1	1	s09
....auucccacccuggucagag...	4	0	s09
....auucccacccuggucagagu..	1	0	s09
....auucccacccuggucagaguu...	1	0	s09
....ucccacccuggucagaguuu...	2	0	s09
....cccacccuggucagaguuu..	1	0	s09

cgguagagcggcggagaucuaaacccgaaggucgggguucgauucccacccuggucagaguuuuucucuguccuugugugggcccauuuccaucguagggcuaacgcucac

....ggucagCguuuucucuguccuuguguggg.............................	1	1	s09
....cagaguuuuucucuguccuuguguggg.............................	1	0	s09
....agaguuuuucucuguccuuguguggg.............................	1	0	s09
....uucucuguccuuguguggg.............................	6	0	s09
....Aucucuguccuugugugggcccauuuccau....................	1	1	s09
....Auugugugggcccauuuccaucguaggg.............	1	1	s09
....Auuccaucguagggcuaacgcu...	1	1	s09
...................aaacccgaaggucgggg...	2	0	s72
...................aaacccgaaggucggggu..	5	0	s72
...................aaacccgaaggucgggguu...	2	0	s72
...................aaGcccgaaggucgggguu...	1	1	s72
...................aaacccgaaggucgggguuc..	2	0	s72
....................aacccgaaggucggggu..	8	0	s72
....................aacccgaaggucgggguu...	6	0	s72
....................aacccgaaggucgggguuc..	5	0	s72
.....................acccgaaggucgggguu...	14	0	s72
.....................acccgaaggucgggguuc..	33	0	s72
.....................acccgaaggucgggguucg...	2	0	s72
......................cccgaaggucgggguuc..	3	0	s72
....................aggucgAggguucgauucccac.......................................	1	1	s72
............................auucccacccuggucaga...................................	1	0	s72
............................auucccacccuggucagag..................................	25	0	s72
............................auucccacccuggucagagu.................................	8	0	s72
............................auucccacccuggucagaguu................................	3	0	s72
............................auucccacccuggucagaguuu...............................	2	0	s72
............................auucccacccuggucagaguuuu..............................	2	0	s72
.............................uucccacccuggucagag..................................	4	0	s72
.............................uucccacccuggucagagu.................................	1	0	s72
..............................ucccacccuggucagaguu................................	2	0	s72
..............................ucccacccuggucagaguuu...............................	1	0	s72
...............................cccacccuggucagaguu................................	1	0	s72
...............................cccacccuggucagaguuuu..............................	1	0	s72
................................cacccuggucagaguuuu...............................	1	0	s72
....aguuuuucucuguccuugugugggccc..................	2	0	s72
....uucucuguccuuguguggg.............................	1	0	s72
....uucucuguccuugugugggccca.........................	1	0	s72
....ucucuguccuugugugggcc..........................	1	0	s72
....ucucuguccuugugugggccc.........................	1	0	s72
....Auugugugggcccauuuccaucguagg.............	1	1	s72
....cccauuuccaucguagggcuaacAcu...	1	1	s72
....auuuccaucguagggcuaac......	1	0	s72
..................Auaaacccgaaggucgggguucgauuccc..................................	1	1	s52
..................aaacccgaaggucggggu..	7	0	s52
..................aaacccgaaggucgggguu...	8	0	s52
..................aaacccgaaggucggggA..	1	1	s52
..................aaacccgaaggucguCgguu...	2	1	s52
..................aaacccgaaggucgggguuU...	1	1	s52
..................aaacccgaaggucgggguuc..	3	0	s52
..................aaacccgaaggucgggguuA..	3	1	s52
...................aacccgaaggucggggu..	36	0	s52
...................aacccgaaggucgggguu...	4	0	s52
...................aacccgaaggucgggguuc..	2	0	s52
....................acccgaaggucgggguu...	12	0	s52
....................acccgaaggucgggguuc..	16	0	s52
....................acccgaaggucgggguucgauuU.....................................	1	1	s52
.....................cccgaaggucgggguuc..	4	0	s52
......................Agaaggucgggguucgauucc......................................	1	1	s52
.......................Acgggguucgauucccacccugguc.................................	1	1	s52
.........................Acgauucccacccuggucagag.................................	2	1	s52
.........................Acgauucccacccuggucagagu................................	1	1	s52
..........................Agauucccacccuggucagag.................................	3	1	s52
..........................auucccacccuggucagag.................................	15	0	s52
..........................auucccacccuggucagagu................................	4	0	s52
..........................auucccacccuggucagCguu...............................	2	1	s52
..........................auucccacccuggucagaguu...............................	15	0	s52
..........................auucccacccuggucagaguuu..............................	10	0	s52
cgguagagcggcggagaucuaaacccgaaggucgggg.auucccacccuggucagaguuuu..............................	9	0	s52
..........................auucccacccuggucagCguuuu.............................	1	1	s52

Mature   **Star**

```
cgguagagcggcggagaucuaaacccgaaggucgggguucgauucccacccuggucagaguuuuucucuguccuugugugggcccauuuccaucguagggcuaacgcucac

.............................................................auuuuccacccuggucagaguuuu.........................................................   2   0   s52
.............................................................auuucGcacccuggucagaguuuu.........................................................   1   1   s52
.............................................................uucccacccuggucagag..............................................................   1   0   s52
.............................................................uucccacccuggucagagu.............................................................   1   0   s52
.............................................................uuccacccuggucagaguu.............................................................   2   0   s52
..............................................................ucccacccuggucagagu.............................................................   2   0   s52
..............................................................ucccacccuggucagaguuu..........................................................   1   0   s52
..............................................................ucccacccuggucagaguuuu.........................................................   4   0   s52
...............................................................cccacccuggucagaguu...........................................................   4   0   s52
...............................................................cccacccuggucagaguuu..........................................................   4   0   s52
...............................................................cccacccuggucagaguuuu.........................................................   3   0   s52
................................................................ccacccuggucagaguuuu.........................................................   3   0   s52
.................................................................cacccuggucagaguuuu.........................................................   3   0   s52
.................................................................cacccuggucagaguuuuu........................................................   1   0   s52
..................................................................acccuggucagaguuuuu........................................................   7   0   s52
..............................................................................Auccuugugugggcccauuuccaucugua.................................   1   1   s52
..............................................................................Auugugugggcccauuuccaucguag...................................   1   1   s52
..............................................................................uugugugggcccauuuccaucguagg...................................   1   0   s52
.....................................................................................auuuccaucguagggcuaacg.................................   1   0   s52


.............................................................................uccuugugugggcccauuucca.........................................  32   0   s08
...............................................................................cuugugugggcccauuucca.........................................   1   0   s08


cgguagagcggcggagau..........................................................................................................................   2   0   s35
cgguagCgcggcggagau..........................................................................................................................   1   1   s35
cgguagagcggcggagauc.........................................................................................................................   1   0   s35
cgguagagcggcggagaucu........................................................................................................................   2   0   s35
.gguagagcggcggagauUu........................................................................................................................   1   1   s35
..guagagcggcggagaucua.......................................................................................................................   1   0   s35
...uagagcggcggagaucuaa......................................................................................................................   1   0   s35
...........Aggagaucuaaacccgaaggucg..........................................................................................................   1   1   s35
...................aaacGcgaaggucguggg.......................................................................................................   1   1   s35
...................aaacccgaaggucguggg.......................................................................................................   2   0   s35
...................aaacccgaaggucggggu.......................................................................................................   4   0   s35
...................aaacccgaaggucggggA.......................................................................................................   1   1   s35
...................aaacccgaaggucgggguA......................................................................................................   4   1   s35
...................aaacccgaaggucgggguu......................................................................................................  11   0   s35
...................aaacGcgaaggucgggguu......................................................................................................   1   1   s35
...................aaacccgaaggucgggguuA.....................................................................................................   4   1   s35
...................aaacccgaaggucgggguuc.....................................................................................................   3   0   s35
...................aaaccUgaaggucgggguuc.....................................................................................................   1   1   s35
...................aaacUcgaaggucgggguuc.....................................................................................................   1   1   s35
...................aaaccAgaaggucgggguuc.....................................................................................................   1   1   s35
...................aaacccgaaggucgggguuU.....................................................................................................   1   1   s35
...................aaacccgaaggucgggguucU....................................................................................................   1   1   s35
...................aaacccgaaggucgggguucC....................................................................................................   1   1   s35
...................aaacccgaaggucgggguucgauu.................................................................................................   3   0   s35
....................aacccgaaggucgggguu......................................................................................................  37   0   s35
....................aacccgaaggucgggguu......................................................................................................   1   0   s35
....................aacccgaaggucgggguuc.....................................................................................................   3   0   s35
....................aacccgaaggucgggguucgauuc................................................................................................   1   0   s35
.....................acccgaaggucgggguu......................................................................................................  27   0   s35
.....................acccgaaggucgggguuc.....................................................................................................   9   0   s35
...................Agucgggguucgauucccacccugguc..............................................................................................   2   1   s35
.......................gucgggguucgauucccacccugguc...........................................................................................   1   0   s35
...........................Agugggguucgauucccacccugguc.......................................................................................   1   1   s35
...........................Agugggguucgauucccacccuggucagagu..................................................................................   1   1   s35
.............................gggguucgauucccacccuggucagCguuuu................................................................................   1   1   s35
..................................Acgauucccacccuggucagaguu..................................................................................   2   1   s35
...................................Agauucccacccuggucagaguu.................................................................................   1   1   s35
.....................................auuucccacccuggucaga....................................................................................   1   0   s35
.....................................auuucccacccuggucagag...................................................................................   3   0   s35
.....................................auuucccacccuggucagCgu..................................................................................   1   1   s35
.....................................auuucccacccuggucagagu..................................................................................  11   0   s35
......................................auucGcacccuggucagagu..................................................................................   3   1   s35
......................................auuucccacccuggucagaguu................................................................................   7   0   s35
......................................auuucccacccuggucagaguuu...............................................................................  12   0   s35
......................................auucGcacccuggucagaguuu................................................................................   3   1   s35
......................................auucGcacccuggucagaguuuu...............................................................................   5   1   s35
......................................auuucccacccuggucagaguuuu..............................................................................   6   0   s35
```

```
                    Mature                                    Star

cgguagagcggcggagaucuaaacccgaaggucguggguucgauucccacccuggucagaguuuuucucuguccuugugugggcccauuuccaucguagggcuaacgcucac

.........................................................auucccacccuggucagaguuuu.................................................   3   0   s35
...........................................................uucccacccuggucagaguuu..................................................   2   0   s35
.............................................................ucccacccuggucagaguu...................................................   2   0   s35
.............................................................ucccacccuggucagaguuu..................................................   2   0   s35
.............................................................ucccacccuggucagaguuuu.................................................   1   0   s35
..............................................................cccacccuggucagaguu...................................................   1   0   s35
...............................................................ccacccuggucagaguuu..................................................   1   0   s35
...............................................................ccacccuggucagaguuuu.................................................   1   0   s35
................................................................cacccuggucagaguuuu.................................................   1   0   s35
.................................................................acccuggucagaguuuu.................................................   1   0   s35
..............................................................................agaguuuuucucuguccuugugugggccc..........................   1   0   s35
................................................................................gaguuuuucucuguccuuguguggg...........................   1   0   s35
.................................................................................aguuuuucucuguccuugugu............................   1   0   s35
.....................................................................................uuucucuguccuugugugggcccauu......................   1   0   s35
...........................................................................................ucucuguccuugugugg.........................   1   0   s35
...........................................................................................ucucuguccuugugugggcccau...................   1   0   s35
...........................................................................................ucucuguccuugugugggcccauuu.................   1   0   s35
...................................................................................................Auugugugggcccauuuccaucguagg...........   1   1   s35
.....................................................................................................Agggcccauuuccaucguagggcuaa.......   1   1   s35
..............................................................................................................aucguagggcuaacgcu...   7   0   s35
..............................................................................................................aucguagggcuaacgcuU..   1   1   s35


.gguagagcggcggagaucu............................................................................................................   1   0   s85
...................aaacccgaaggucgugggg..........................................................................................   1   0   s85
...................aaacccgaaggucgugggu..........................................................................................   1   0   s85
...................aaacccgaaggucgugggguuc.......................................................................................   1   0   s85
....................aacccgaaggucgugggu..........................................................................................   2   0   s85
....................aacccgaaggucgugggguu........................................................................................   1   0   s85
....................aacccgaaggucgugggguuc.......................................................................................   5   0   s85
.....................acccgaaggucgugggguu........................................................................................   8   0   s85
.....................acccgaaggucgugggguuc.......................................................................................  23   0   s85
.....................acccgaaggucgugggguucg......................................................................................   3   0   s85
......................cccgaaggucgugggguuc.......................................................................................   1   0   s85
.......................................................auucccacccuggucaga.......................................................   1   0   s85
.......................................................auucccacccuggucagag......................................................   7   0   s85
.......................................................auucccacccuggucagagu.....................................................   4   0   s85
.......................................................auucccacccuggucagaguu....................................................   1   0   s85
...................................................................................................Auugugugggcccauuuccaucguagg...........   1   1   s85


cgguagagcggcggagau..............................................................................................................   1   0   s23
cgguagagGggcggagauc.............................................................................................................   1   1   s23
cgguagagcggcggagauc.............................................................................................................   1   0   s23
.gguagagcggcggagauc.............................................................................................................   2   0   s23
..guagagcggcggagaucu............................................................................................................   1   0   s23
..................aucuaaacccgaaggucgugg.........................................................................................   1   0   s23
...................Auaaacccgaaggucgug...........................................................................................   1   1   s23
...................aaacccgaaggucguggg...........................................................................................   1   0   s23
...................aaacccgaaggucguCgg...........................................................................................   1   1   s23
...................aaacccgaaggucgugggu..........................................................................................   5   0   s23
...................aaacccgaaggucguCggu..........................................................................................   2   1   s23
...................aaacccgaaggucgugggguu........................................................................................   8   0   s23
...................aaaccAgaaggucgugggguu........................................................................................   1   1   s23
...................aaaccUgaaggucgugggguu........................................................................................   1   1   s23
...................aaacccgaaggucgugggguA........................................................................................   6   1   s23
...................aaaccUgaaggucgugggguuc.......................................................................................   1   1   s23
...................aaacccgaaggucguCgguuc........................................................................................   2   1   s23
...................aaacccgaaggucgugggguuA.......................................................................................   4   1   s23
...................aaacccgaaggucgugggguuc.......................................................................................   9   0   s23
...................aaacccgaaggucgugggguCc.......................................................................................   1   1   s23
...................aaacccgaaggucgugggguuU.......................................................................................   2   1   s23
...................aaaccAgaaggucgugggguuc.......................................................................................   1   1   s23
...................aaacccgaGggucgugggguucgauu...................................................................................   1   1   s23
...................aaacccgaaggucgugggguucgauA..................................................................................   2   1   s23
...................aaacccgaaggucgugggguucgauu..................................................................................   1   0   s23
...................aaacccgaaggucgugggguucCauu..................................................................................   1   1   s23
....................aacccgaaggucgugggu..........................................................................................  19   0   s23
....................aacccgaaggucgugggguuc.......................................................................................   1   0   s23
....................aacccgaaggucgugggguucgauu..................................................................................   1   0   s23
.....................acccgaaggucgugggguu........................................................................................   9   0   s23
.....................acccgaaggucgugggguuc.......................................................................................  10   0   s23
```

```
cgguagagcggcggagaucuaaacccgaaggucguggguucgauucccacccuggucagaguuuuucucuguccuugugugggcccauuuccaucguagggcuaacgcucac

......................cccgaaggucguggguuc.......................................................................   1    0    s23
......................Accgaaggucguggguuucgauuccc.................................................................   1    1    s23
.......................Agaaggucguggguuucgauuc................................................................   1    1    s23
.......................Agaaggucguggguuucgauucccacc...........................................................   1    1    s23
.......................Agaaggucguggguuucgauucccaccc..........................................................   1    1    s23
................................Agauucccacccuggucagaguuuu....................................................   1    1    s23
...................................auucccacccuggucaga.......................................................   2    0    s23
...................................auucccacccuggucagagu.....................................................   6    0    s23
...................................auucccacccuggucagaguu....................................................   8    0    s23
...................................auucccacccuggucagaguuu...................................................  14    0    s23
...................................auucccacccuggucagaguuuu..................................................  16    0    s23
...................................auucGcacccuggucagaguuuu..................................................   1    1    s23
....................................auucccacccuggucagaguuuuu................................................   2    0    s23
....................................auucccacccuggucagaguuuG................................................   1    1    s23
.....................................uucccacccuggucagaguuuu................................................   2    0    s23
......................................ucccacccuggucagaguu..................................................   1    0    s23
......................................ucccacccuggucagaguuu.................................................   1    0    s23
......................................ucccacccuggucagaguuuu................................................   1    0    s23
......................................ucccacccuggucagaguuuuuc..............................................   1    0    s23
.......................................cccacccuggucagaguu.................................................   1    0    s23
.......................................cccacccuggucagaguuu................................................   1    0    s23
.......................................cccacccuggucagaguuuu...............................................   5    0    s23
........................................ccacccuggucagaguuu...............................................   1    0    s23
........................................ccacccuggucagaguuuu..............................................   2    0    s23
........................................ccacccuggucagaguuuuu.............................................   1    0    s23
.........................................cacccuggucagaguuuu..............................................   1    0    s23
.........................................cacccuggucagaguuuuu.............................................   2    0    s23
..........................................acccuggucagaguuuuu.............................................  10    0    s23
..............................................cuggucagaguuuuucuc.........................................   1    0    s23
.......................................................agaguuuuucucuguccuugug.............................   1    0    s23
...........................................................uuuucucuguccuuguguggg.........................   1    0    s23
............................................................uucucuguccuuguguggg..........................   1    0    s23
............................................Aucucuguccuugugugggcccauu........................................   1    1    s23
.............................................Acucuguccuugugugggcccauu.......................................   1    1    s23
.............................................Acucuguccuugugugggcccauuu......................................   1    1    s23
..............................................................Auccuugugugggcccauuuccaucguag.............   2    1    s23
```