```
Star                                                                    Mature

5'- uuugaagguuaaauuggcaauuugggggcagcuagguuuucguguggcugauuguuguaguagcaucuucuauagggagcagggcuggcgcaguggguugaguuuguugguuuuc -3'    exp
    .........((((((((((...(((.(.(((((.(((((.(.(((((..(((.(((((...))))))..))))))))))..)))))).).)))...))).))))))).........    reads   mm      sample
    ...................................................................agggagcagCgcuggcgcagu.........................    1       1       s52
    ...................................................................agggagcagCgcuggcgcagugg.......................    1       1       s52
    ...................................................................agugggguugaguuuguuug......    12      0       s52
    ...................................................................aguggguugaguuuguuggu....    6       0       s52
    ...................................................................aguggguGgaguuuguugguu...    1       1       s52
    ...................................................................agugggguugaguuuguugguu...    5       0       s52
    ...................................................................agugggguugaguuuguugguuu..    6       0       s52
    ...................................................................gugggguugaguuuguugguuu...    1       0       s52
    ...................................................................Agggguugaguuuguugguuu..    3       1       s52
    ...................................................................Agggguugaguuuguugguuu.    1       1       s52
    ...................................................................gggguugaguuuguugguuu..    1       0       s52
    ...................................................................Agguugaguuuguugguuuuc    1       1       s52
    ...................................................................gguugaguuuguugguuu..    1       0       s52

    ...................................................................Aagggagcagggcuggcg.........................    1       1       s23
    ...................................................................agggagcagggcuggcgcag......................    2       0       s23
    ...................................................................agggagcagggcuggcgcagugA...................    1       1       s23
    ...................................................................agggagcagggcuggcgcagugg..................    2       0       s23
    ...................................................................agcaggcuggcgcagug..    1       0       s23
    ...................................................................agugggguugaguuuguuug......    29      0       s23
    ...................................................................agugggguugaguuuguuugg.....    2       0       s23
    ...................................................................agugggguugaguuuguugguu...    4       0       s23
    ...................................................................agugggguugaguuuguugguG...    1       1       s23
    ...................................................................agugggguugaguuuguuggguuA..    6       1       s23
    ...................................................................agugggguCgaguuuguuggguuu..    1       1       s23
    ...................................................................agugggguugaguuuguuggguuu..    15      0       s23
    ...................................................................agugggguugaguuuguuUguuu..    1       1       s23
    ...................................................................agugggguugaguuUauuggguuu..    2       1       s23
    ...................................................................aguUggguugaguuuguuggguuu..    1       1       s23
    ...................................................................agugggguugaguuuguugAuuuu.    1       1       s23
    ...................................................................agugggguugaguuuguuggguuuA.    1       1       s23
    ...................................................................agugggAugaguuuguuggguuu.    1       1       s23
    ...................................................................agugggguugaguuuguuggguuuu.    13      0       s23
    ...................................................................agugggguugaguuuguugUuuuu.    1       1       s23
```

```
uuugaagguuaaauuggcaauuugggggcagcuaggguuuucgguguggcugauuguuguaguagcaucuucuauagggagcagggcuggcgcaguggguugaguuguuuguuuuc
```

Read (aligned)	Count	Flag	Sample
....aguggguugaguuuAuuggguuu.	1	1	s23
....aguggguugaguuuguuggguuuuA	1	1	s23
....guggguugaguuuguugguu...	1	0	s23
....guggguugaguuuguuggguuu..	3	0	s23
....Auggguugaguuuguuggguuu.	4	1	s23
....uggguugaguuuguuggguuu...	1	0	s23
....Agggguugaguuuguuggguuu..	10	1	s23
....Agggguugaguuuguuggguuu.	5	1	s23
....Agggguugaguuuguuggguuu..	6	1	s23
....ggguugaguuuguuggguuu.	1	0	s23
....gguugaguuuguuggguuu..	1	0	s23
....aggggagcagCgcuggcgcag......................	2	1	s72
....aguggguugaguuuguug......	4	0	s72
....aguggguugaguuuguuggu....	1	0	s72
....aguggguugaAuuuguuggu...	1	1	s72
....aguggguugaguuuguugguu....	1	0	s72
....uggguugaguuuguuggu....	1	0	s72
....aguggguugaguuuguugguuu..	2	0	s09
....Agggguugaguuuguugguuu..	5	1	s09
....Agggguugaguuuguugguuuu.	1	1	s09
....agggagcagggcuggcgcagug....................	2	0	s60
....agggagcCgggcuggcgcagug....................	1	1	s60
....ggagcagggcuggcgcagug....................	1	0	s60
....aguggguugaguuuguug......	14	0	s60
....agugggCugaguuuguug......	3	1	s60
....aguggguugaguuugGugg.....	1	1	s60
....aguggguugaguuuguugg.....	3	0	s60
....aguggguugaguuuguugguG...	1	1	s60
....aguggguugaguuAguugguu...	1	1	s60
....guggguugaguuuguugg.....	1	0	s60
....uggguugaguuuguuggguuu.	1	0	s60
....aguggguGgaguuuguug......	1	1	s85
....aguggguugaguuuguug......	3	0	s85
....aguggguugaguuuguugg.....	2	0	s85
....aguggguugaguuAguugg.....	1	1	s85
....auagggagcagggcuggcgcagug....................	1	0	s35
....Aagggagcagggcuggcgcagugg....................	1	1	s35
....agggagcagggcuggcgcagug....................	2	0	s35
....gggagcagggcuggcgcag........................	1	0	s35
....gagcagggcuggcgcagug....................	1	0	s35
....agcagggcuggcgcagug....................	1	0	s35
....aUcagggcuggcgcagugg...................	1	1	s35
....aguggguugaguuuguug......	12	0	s35
....agugCguugaguuuguug......	1	1	s35
....aguggguGgaguuuguug......	3	1	s35
....agugggCugaguuuguug......	3	1	s35
....aguggguugaguGuguug......	1	1	s35
....aguggguGgaguuuguug......	1	1	s35
....aguggguugaguuuguugg.....	9	0	s35
....aguggguugaguuAguugg.....	1	1	s35
....aguggguCugaguuuguugg.....	1	1	s35
....aguggguugaguuuguuggu....	1	0	s35
....aguggguugaguuuguugCu....	2	1	s35
....aguggguugaguuuguugguu...	6	0	s35
....aguggguugaguuuguugguG...	1	1	s35
....aguggguCugaguuuguugguuu..	1	1	s35
....aguggguugaguuuguugCugguuu..	1	1	s35
....aguggguugaguuuguugguuu..	7	0	s35
....aguggguugaguuuguugguuA..	3	1	s35
....aguggguugaguuuguugguuuu.	5	0	s35
....aguggguugaguuuguugAuuuu.	1	1	s35
....aguUgguugaguuuguugguuuu.	2	1	s35
....guggguugaguuuguugg.....	1	0	s35
uuugaagguuaaauuggcaauuugggggcagcuaggguuuucgguguggcugauuguuguaguagcaucuucuauaggg.guggguugaguuuguugguu....	1	0	s35
....guggguugaguuuguuggguuu..	1	0	s35

uuugaagguuaaauuggcaauuugggggcagcuagguuuucguguggcugauuguuguaguagcaucuucuauagggagcagggcuggcgcaguggguugaguuuguugguuuuc

Sequence	Count	Flag	ID
....Augguugaguuuguugguuuu.	2	1	s35
....ugguugaguuuguuggu....	1	0	s35
....ugguugaguuuguugguu...	2	0	s35
....Agguugaguuuguugguuu..	4	1	s35
....Agguugaguuuguugguuuuc	2	1	s35
....ggguugaguuuguugguuuu.	1	0	s35
....ggguugaguuuguugguuuuc	1	0	s35
....agggagcagggcuggcgcagu....................	2	0	s13
....agggCgcagggcuggcgcagu....................	1	1	s13
....aguggguugaguuuguug......	2	0	s13
....aguggguugaguGuguug......	3	1	s13
....aguggguugaguuuguugg.....	2	0	s13
....aguggguugaAuuuguuggu....	1	1	s13
....aguggguugaguuugCuggu....	1	1	s13
....aguggguugaguuuguugguu...	3	0	s13
....aguggguugaguuuguuggCu...	1	1	s13
....aguggguugaguuuguugguuu..	1	0	s13
....aguggguugaguuuguugguuA..	1	1	s13
....guggguugaguuuguuAguuu..	1	1	s13
....ugggguugaguuuguuggu.....	1	0	s13
....Agggguugaguuuguugguuu..	5	1	s13
....ugggguugaguuuguuUguuu..	1	1	s13