



Star

5'	-3'	obs	exp	reads	mm	sample
aaccggaaggucguggguucaauuuccaccagguccagaguuuuucucuguccuugugugggcccauuuccaucaguaaggguuaacgcucacauugguucauauuggggaugaaaa						
aaccggaaggucguggguucaauuuccaccagguccagaguuuuucucuguccuugugugggcccauuuccaucaguaaggguuaacgcucacauugguucauauuggggaugaaaa						
((((((((.(.(((((((((.....(((.(.(((((((((.....)))))).)))))))))))))).))))....))))).(((.(.(((.....)))))).)))).....						
aaccggaaggucgugggu.....	8	0	s72			
aaccggaaggucguggguu.....	6	0	s72			
aaccggaaggucguggguuc.....	5	0	s72			
aaccggaaggucguggguuca.....	11	0	s72			
aaccggaaggucguggguuca.....	1	0	s72			
aaccggaaggucguggguucauu.....	1	0	s72			
.accggaaggucgugggu.....	14	0	s72			
.accggaaggucguggguuc.....	33	0	s72			
.accggaaggucguggguuca.....	55	0	s72			
.accggaaggucguggguuca.....	2	0	s72			
.accggaaggucguggguucaCu.....	1	1	s72			
.accggaaggucguggguucaau.....	2	0	s72			
.accggaaggucguggguucauu.....	1	0	s72			
.ccggaaggucguggguuc.....	3	0	s72			
.ccggaaggucguggguuca.....	6	0	s72			
.ccggaaggucguggguucaCu.....	1	1	s72			
.ccggaaggucguggguuca.....	3	0	s72			
...gaaggucguggguucauu.....	1	0	s72			
.....aguuuuucucuguccuugugugggcc.....	2	0	s72			
.....uucucuguccuuguguggg.....	1	0	s72			
.....uucucuguccuugugugggccca.....	1	0	s72			
.....ucucuguccuugugugggcc.....	1	0	s72			
.....ucucuguccuugugugggcc.....	1	0	s72			
.....Augugugggcccauuuccaucaguaagg.....	1	1	s72			
.....Augugugggcccauuuccaucaguaagg.....	1	1	s72			
.....uaacgcucacauugguuGauauggggaug.....	1	1	s72			
.....cgucacauugguucauauuggggauga.....	1	0	s72			
aaccggaaggucgugggu.....	19	0	s23			
aaccggaaggucguggguuc.....	1	0	s23			
aaccggaaggucguggguuca.....	1	0	s23			
aaccggaaggucguggguuca.....	1	0	s23			
aaccggaaggucguggguucaCu.....	1	1	s23			

## Mature

## Star

aacccgaaggucgugggucaauuuccacccaggucagaguuuuucucuguccuugugugggcccauuuccaucaguaggguuaacgcucacaugguucauauugggauagaaa			
aacccgaaggucguggguucaauu.....	3	0	s23
aaUccgaaggucguggguucaauuu.....	1	1	s23
.acccgaaggucguggguu.....	9	0	s23
.acccgaaggucguggguuc.....	10	0	s23
.acccgaaggucguggguuca.....	6	0	s23
.acccgaaggucguggguuca.....	6	0	s23
.acccgaaggucguggguucaCu.....	1	1	s23
.acccgaaggucguggguucaau.....	1	0	s23
.acccgaaggucguggguucaauu.....	3	0	s23
.acccgaaggucguggguucaauuu.....	2	0	s23
.acccgaaggucguggguucaUuuu.....	3	1	s23
.acAcgaaggucguggguucaauuu.....	1	1	s23
.cccgaaggucguggguuc.....	1	0	s23
.cccgaaaggucguggguucauu.....	1	0	s23
.ccgaaggucguggguuca.....	1	0	s23
.Acgaaggucguggguucaauuu.....	1	1	s23
.Agaaggucguggguucaauuu.....	1	1	s23
.gaaggucguggguucaau.....	1	0	s23
.aaggucguggguucaauu.....	1	0	s23
.aaggucguggguucaauuu.....	1	0	s23
.ucguggguucaauuuccacc.....	1	0	s23
.aauuuccacccaggucagagu.....	1	0	s23
.Accacccaggucagaguuuu.....	2	1	s23
.aggucagaguuuuucucuguccuu.....	1	0	s23
.aggucagaguuuuucucuguccuugugu.....	1	0	s23
.agaguuuuucucuguccuugug.....	1	0	s23
.uuuucucuguccuugugugg.....	1	0	s23
.uucucuguccuugugugg.....	1	0	s23
.Aucucuguccuugugugggcccauu.....	1	1	s23
.Acucuguccuugugugggcccauu.....	1	1	s23
.Acucuguccuugugugggcccauuu.....	1	1	s23
.Augugugggcccauuuccaucaguagg.....	1	1	s23
.Augggcccauuuccaucaguagg.....	2	1	s23
.Aaucaguaggguuaacgc.....	1	1	s23
.acaugguucauauugggauag.....	1	0	s23
.Aaugguucauauugggau.....	1	1	s23
.Aaugguucauauugggauagaa.....	1	1	s23
aacccgaaggucgugggu.....	36	0	s52
aacccgaaggucguggguu.....	4	0	s52
aacccgaaggucguggguuc.....	2	0	s52
aacccgaaggucguggguuca.....	4	0	s52
aacccgaaggucguggguucauu.....	5	0	s52
aacccgaaggucguggguucaauuu.....	1	0	s52
.acccgaaggucguggguu.....	12	0	s52
.acccgaaggucguggguuc.....	16	0	s52
.acccgaaggucguggguuca.....	29	0	s52
.acccgaaggucguggguuca.....	2	0	s52
.acccgaaggucguggguucaau.....	6	0	s52
.acccgaaggucguggguucauu.....	5	0	s52
.acccgaaggucguggguucGauuu.....	1	1	s52
.acccgaaggucguggguucaUuuu.....	2	1	s52
.acccgaaggucguggguucaauuu.....	1	0	s52
.cccgaaaggucguggguuc.....	4	0	s52
.cccgaaaggucguggguuca.....	2	0	s52
.ccgaaggucguggguuca.....	1	0	s52
.ccgaaggucguggguuca.....	1	1	s52
.Agaaggucguggguucaauuuc.....	1	1	s52
.aaggucguggguucaauuu.....	1	0	s52
.aauuuccacccaggucagaguu.....	1	0	s52
.Accacccaggucagaguuuu.....	1	1	s52
.caccaggucagaguuuu.....	1	0	s52
.Augugugggcccauuuccaucaguagg.....	1	1	s52
.acgcucacaugguucauauugg.....	1	0	s52
.cucacaugguucauauugg.....	1	0	s52
.acaugguucauauugggau.....	1	0	s52
.acaugguucauauugggau.....	1	0	s52
aacccgaaggucgugggu.....	3	0	s13
aacccgaaggucguggguu.....	2	0	s13

## Mature

## Star

aacc <b>ccga</b> aggucgugggucaauuucca <b>cc</b> caggucagaguuuuucucuguccuuguguggg <b>cc</b> cauuu <b>cc</b> aucag <u>uaggg</u> uu <b>aac</b> gcucacau <u>gggu</u> cauau <u>ggg</u> gauagaaa			
aacc <b>ccga</b> aggucguggguuc	2	0	s13
aacc <b>ccga</b> aggucguggguucaa	1	0	s13
aacc <b>ccga</b> aggucguggguucau	1	0	s13
.aacc <b>ccga</b> aggucguggguu	6	0	s13
.aacc <b>ccga</b> aggucguggguuc	1	0	s13
.aacc <b>ccga</b> aggucguggguuca	2	0	s13
.aacc <b>ccga</b> aggucguggguucaa	2	0	s13
.aacc <b>ccga</b> aggucguggguucaCu	5	1	s13
.aacc <b>ccga</b> aggucguggguucaau	1	0	s13
. <b>cc</b> cgaggucguggguuc	1	0	s13
. <b>cc</b> cgaggucguggguucaCu	1	1	s13
. <b>cc</b> gaaggucguggguuca	3	0	s13
. <b>cc</b> gaaggucguggguucaau	1	0	s13
. <b>cc</b> gaaggucguggguucGauuu	1	1	s13
. <b>Ac</b> gaaggucguggguucaauuu	1	1	s13
. <b>c</b> gaaggucguggguuca	1	0	s13
. <b>c</b> gaaggucguggguucaauu	2	0	s13
. <b>A</b> gaaggucguggguucaauuu	1	1	s13
. <b>ga</b> aggucguggguucaau	1	0	s13
. <b>Acc</b> accaggucagaguuuu	1	1	s13
.uuuucucuguccuuguguggg	1	0	s13
.uuuucucuguccuuguguggg	1	0	s13
.uucucuguccuuguguggg	1	0	s13
.Aucucuguccuuguguggg <b>cc</b> cauu	1	1	s13
.ucucuguccuuguguggg	1	0	s13
.ucucuguccuuguguggg <b>cc</b> c	2	0	s13
.cucuguccuuguguggg <b>cc</b> cauu	1	0	s13
.ucuguccuuguguggg <b>cc</b> cauu	1	0	s13
.Aaucag <u>uaggg</u> uu <b>aac</b> gcucacau <u>gg</u>	1	1	s13
.Acag <u>uaggg</u> uu <b>aac</b> gcucacau <u>gg</u>	3	1	s13
. <u>aguaggg</u> uu <b>aac</b> gcucacau <u>gg</u>	2	0	s13
. <u>uaggg</u> uu <b>aac</b> gcucacau <u>gg</u>	1	0	s13
. <u>aggg</u> uu <b>aac</b> gcucacau <u>gg</u>	2	0	s13
. <u>gg</u> uu <b>aac</b> gcucacau <u>gg</u>	1	0	s13
. <b>ac</b> gcucacau <u>gg</u> uucau <u>g</u>	1	0	s13
.A <b>gc</b> ucacau <u>gg</u> uucau <u>ggg</u> gauagaaa	1	1	s13
. <b>a</b> caug <u>gu</u> cauau <u>ggg</u> auag	3	0	s13
. <b>A</b> aug <u>gu</u> cauau <u>ggg</u> auaga	1	1	s13
aacc <b>ccga</b> aggucguggguu	2	0	s09
.aacc <b>ccga</b> aggucguggguuc	1	0	s09
.aacc <b>ccga</b> aggucguggguuca	4	0	s09
.aacc <b>ccga</b> aggucguggguucaa	3	0	s09
.aacc <b>ccga</b> aggucguggguucaCu	3	1	s09
. <b>cc</b> gaaggucguggguuca	1	0	s09
. <b>cc</b> gaaggucguggguuca	1	0	s09
. <b>cc</b> gaaggucguggguucaau	1	0	s09
. <b>Aucc</b> accaggucagaguu	1	1	s09
. <b>gg</b> ucagC <u>guuuu</u> ucucuguccuuguguggg	1	1	s09
. <b>c</b> agaguuuuucucuguccuuguguggg	1	0	s09
. <b>a</b> gaguuuuucucuguccuuguguggg	1	0	s09
.uucucuguccuuguguggg	6	0	s09
.Aucucuguccuuguguggg <b>cc</b> cauuuccau	1	1	s09
.A <u>ug</u> uguggg <b>cc</b> cauuuccau <b>cag</b>	2	1	s09
.Acag <u>uaggg</u> uu <b>aac</b> gcucacau <u>gg</u>	3	1	s09
. <b>c</b> ag <u>uaggg</u> uu <b>aac</b> gcucacau <u>gg</u>	1	0	s09
. <b>a</b> g <u>uaggg</u> uu <b>aac</b> gcucacau <u>gg</u>	1	0	s09
. <b>u</b> aggguu <b>aac</b> gcucacau <u>gg</u>	1	0	s09
. <b>a</b> ggguu <b>aac</b> gcucacau <u>gg</u>	1	0	s09
aacc <b>ccga</b> aggucgugggu	2	0	s85
aacc <b>ccga</b> aggucguggguu	1	0	s85
aacc <b>ccga</b> aggucguggguuc	5	0	s85
aacc <b>ccga</b> aggucguggguuca	12	0	s85
aacc <b>ccga</b> aggucguggguucaa	1	0	s85
.aacc <b>ccga</b> aggucguggguu	8	0	s85
.aacc <b>ccga</b> aggucguggguuc	23	0	s85
.aacc <b>ccga</b> aggucguggguuca	51	0	s85
. <b>cc</b> cgaggucguggguuc	1	0	s85
. <b>cc</b> cgaggucguggguuca	10	0	s85

## Mature

aacccgaaggucgugggucaauuuccaccagcagaguuuuucucuguccuugugugggcccauuuccaucaguaggguuaacgcucacaugguucauaugggauagaaa			
...ccgaaggucguggguuca.....	2	0	s85
.....aacgcucacaugguucaua.....	1	0	s85
aacccgaaggucgugggu.....	37	0	s35
aacccgaaggucguggguu.....	1	0	s35
aacccgaaggucguggguuc.....	3	0	s35
aacccgaaggucguggguuca.....	1	0	s35
aacccgaaggucguggguucauu.....	2	0	s35
aacccgaaggucguggguucauuu.....	1	0	s35
.acccgaaggucguggguu.....	27	0	s35
.acccgaaggucguggguuc.....	9	0	s35
.acccgaaggucguggguuca.....	7	0	s35
.acccgaaggucguggguucaaa.....	3	0	s35
.acccgaaggucguggguucaau.....	2	0	s35
.acccgaaggucguggguucaCu.....	3	1	s35
.acccgaaggucguggguucauu.....	1	0	s35
.acccgaaggucguggguucauuu.....	4	0	s35
..cccgaaggucguggguuca.....	3	0	s35
..cccgaaggucguggguucaau.....	2	0	s35
...ccgaaggucguggguuca.....	2	0	s35
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...Acgaaggucguggguucauuu.....	3	1	s35
...ccgaaggucguggguucauuu.....	1	0	s35
...cgaaggucguggguucaaa.....	1	0	s35
...cgaaggucguggguucauuu.....	1	0	s35
....gaaggucguggguucauu.....	1	0	s35
.....agauuuuuucucuguccuugugugggcc.....	1	0	s35
.....gaguuuuucucuguccuuguguggg.....	1	0	s35
.....aguuuuucucuguccuugugu.....	1	0	s35
.....uuucucuguccuugugugggcccauu.....	1	0	s35
.....ucucuguccuuguguggg.....	1	0	s35
.....ucucuguccuuguguggggcccau.....	1	0	s35
.....ucucuguccuuguguggggcccauu.....	1	0	s35
.....uguguggggcccauuuccaucaguag.....	1	0	s35
.....Auccaucaguaggguuaacgcucacaug.....	1	1	s35
.....uaacgcucacaugguucauaugggauag...	1	1	s35
.....aacgcucacaugguucauaug.....	1	0	s35
.....acgcucacaugguucauaugggauaga..	1	0	s35
.....aGgcucacaugguucauaugggauaga..	1	1	s35
.....Ggcucacaugguucauaugggauaga..	1	1	s35

aacccgaaggucgugggu.....	29	0	s60
aacccgaaggucguggguu.....	8	0	s60
aacccgaaggucguggguuc.....	8	0	s60
aacccgaaggucguggguuca.....	5	0	s60
aacccgaaggucguggguucauu.....	1	0	s60
.acccgaaggucguggguu.....	11	0	s60
.acccgaaggucguggguuc.....	16	0	s60
.acccgaaggucguggguuca.....	38	0	s60
.acccgaaggucguggguucaaa.....	2	0	s60
.acccgaaggucguggguucaau.....	3	0	s60
.acccgaaggucguggguucaCu.....	1	1	s60
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.aUccgaaggucguggguucauuu.....	1	1	s60
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..cccgaaggucguggguuca.....	3	0	s60
..ccgaaggucguggguuca.....	2	0	s60
..ccgaaggucguggguucauuu.....	1	0	s60
...Agaaggucguggguucauuuc.....	1	1	s60
.....uuucucuguccuugugugggcc.....	1	0	s60
.....ucucuguccuugugugggc.....	1	0	s60
.....aggguuuaacgcucacauggu.....	1	0	s60
.....aacgcucacaugguucauaugggauagaa..	1	0	s60
.....acgcucacaugguucauauggg.....	1	0	s60
.....Aaugguucauaugggauag...	1	1	s60

## Star