



5' -	aggucguggguuaaauuccaccaccuggcagagauuuuucugucccuugugugggccauuuuccaucaguagggcuaacauucacauugguucauauugggauugaaaucua	-3'	obs	
	aggucguggguuaaauuccaccaccuggcagagauuuuuucugucccuugugugggccauuuuccaucaguagggcuaacauucacauugguucauauugggauugaaaucua		exp	
	((..(((.....(((.....(((.....)))))).)..).))))))))...)((.....(((.....)))))).)..)).....	reads	mm	sample
	.....aaauuccaccaccuggcagag.....	4	0	s13
	.....aaauuccaccaccuggcagagau.....	2	0	s13
	.....auuccaccaccuggcagagAa.....	1	1	s13
	.....Auuccaccaccuggcagaguaau.....	1	1	s13
	.....ucugucccuugugugggccauu.....	1	0	s13
	.....auuuccaucaguagggcuaac.....	1	0	s13
	.....Aagggcuaacauucacauuggu.....	1	1	s13
	.....aaauuccaccaccuggcagaga.....	1	0	s85
	.....aaauuccaccaccuggcagagag.....	1	0	s85
	.....auuccaccaccuggcagaga.....	1	0	s85
	.....auuccaccaccuggcagagag.....	7	0	s85
	.....auuccaccaccuggcagagau.....	4	0	s85
	.....aaauuccaccaccuggcagagag.....	3	0	s60
	.....aaauuccaccaccuggcagagau.....	3	0	s60
	.....aUuuccaccaccuggcagagagua.....	1	1	s60
	.....auuccaccaccuggcagaga.....	4	0	s60
	.....auuccaccaccuggcagagag.....	17	0	s60
	.....auuccaccaccuggcagagagau.....	5	0	s60
	.....auuAccaccaccuggcagagagua.....	1	1	s60
	.....uuAccaccaccuggcagagagua.....	1	1	s60
	.....Auuccaccaccuggcagagagua.....	1	1	s60
	.....uccaccaccuggcagagagau.....	2	0	s60
	.....Acccaccaccuggcagagagua.....	1	1	s60
	.....Aucacauugguucauauugggauuga.....	1	1	s60
	.....Aaaauuccaccaccuggcagaguaauu.....	1	1	s35
	.....aaauuccaccaccuggcagagag.....	6	0	s35
	.....aaauuccaccaccuggcagagau.....	8	0	s35
	.....aaauucccacUcuggcagagagua.....	1	1	s35
	.....aaauuccaccaccuggcagagagua.....	3	0	s35
	.....aaauucGcaccaccuggcagagagua.....	1	1	s35

Mature Star

aggucguggguuaauuuccaccuccugucagaguuuuuucuguccuugugugggcccauuuccaucaguagggcuaacauucacauugguucauauugggauugaaucua			
.....aUuucccaccuccugucagagua.....	2	1	s35
.....auucccaccuccugucaga.....	1	0	s35
.....auucccaccuccugucagag.....	3	0	s35
.....auucccaccuccugucagagu.....	11	0	s35
.....auucccaccuccugucagCgu.....	1	1	s35
.....auucGcaccuccugucagagu.....	3	1	s35
.....auucccaccAuggucagagua.....	1	1	s35
.....auuccAaccuccugucagagua.....	3	1	s35
.....auucccaUccuccugucagagua.....	1	1	s35
.....auuGccaccuccugucagagua.....	1	1	s35
.....auuccUaccuccugucagagua.....	1	1	s35
.....auucccCccuccugucagagua.....	1	1	s35
.....auucccaccuccugucagagua.....	5	0	s35
.....auucccaccuccugucagaguauuuG.....	1	1	s35
.....Aucccaccuccugucagagua.....	2	1	s35
.....Acccaccuccugucagagua.....	2	1	s35
.....ucccaccuccugucagaguau.....	1	0	s35
.....cccaccuccugucagagua.....	1	0	s35
.....Acaccuccugucagaguauuu.....	2	1	s35
.....Aaccuccugucagaguauuu.....	1	1	s35
.....ugugugggcccauuuccaucaguag.....	1	0	s35
.....Auuccaucaguagggcuaaca.....	1	1	s35
.....uucAaucaguagggcuaa.....	1	1	s35
.....ucacauugguucauauugggauugaaGuc.....	1	1	s35
.....acaugguucauauugggauug.....	1	0	s35
.....aaauucccaccuccugucag.....	1	0	s09
.....aaauucccaccuccugucagag.....	4	0	s09
.....aaauucccaccuccugucagagu.....	4	0	s09
.....aauucGcaccuccugucagagua.....	1	1	s09
.....auucccaccuccugucagag.....	4	0	s09
.....auucccaccuccugucagagu.....	1	0	s09
.....Aucccaccuccugucagagua.....	1	1	s09
.....Aucccaccuccugucagaguauu.....	2	1	s09
.....Acccaccuccugucagagua.....	1	1	s09
.....Augugugggcccauuuccaucag.....	2	1	s09
.....aaauucccaccuccugucagag.....	7	0	s72
.....aaauucccaccuccugucagagu.....	2	0	s72
.....aaauucccaccuccugucagagua.....	1	0	s72
.....auucccaccuccugucaga.....	1	0	s72
.....auucccaccuccugucagag.....	25	0	s72
.....auucccaccuccugucagagu.....	8	0	s72
.....auucccaccAaggucagagua.....	1	1	s72
.....auuccGaccuccugucagagua.....	1	1	s72
.....uucccaccuccugucagag.....	4	0	s72
.....uucccaccuccugucagagu.....	1	0	s72
.....Aucccaccuccugucagaguau.....	1	1	s72
.....Acccaccuccugucagagua.....	1	1	s72
.....Augugugggcccauuuccaucaguagg.....	1	1	s72
.....Augugugggcccauuuccaucaguagg.....	1	1	s72
.....agggcuaacauucacauuggu.....	1	0	s72
.....acaugguucauauugggauug.....	1	0	s72
.....Aaaauucccaccuccugucagagua.....	1	1	s23
.....aaauucccaccuccugucaga.....	1	0	s23
.....aaauucccaccuccugucagag.....	4	0	s23
.....aaauucccaccuccugucagagu.....	5	0	s23
.....aauucAcaccuccugucagagua.....	1	1	s23
.....aGuucccaccuccugucagagua.....	1	1	s23
.....aUuucccaccuccugucagagua.....	1	1	s23
.....auucccaccuccugucaga.....	2	0	s23
.....auucccaccuccugucagagu.....	6	0	s23
.....aAucccaccuccugucagagua.....	1	1	s23
.....uucccaccuccugucagagua.....	1	0	s23
.....auuuuucuguccuugugugg.....	1	0	s23
.....Augugugggcccauuuccaucaguagg.....	1	1	s23
.....Augggcccauuuccaucaguagg.....	2	1	s23
.....acaugguucauauAggauuga.....	1	1	s23
.....Aaaauucccaccuccugucagagua.....	1	1	s52

Mature **Star**

aggucguggguua <u>aa</u> uucccacc <u>cc</u> uggucagag <u>ua</u> uuuu <u>uc</u> ugucc <u>cu</u> gugugggcc <u>ca</u> uuuccaucaguagggcuaacauucacauugguucauauugggauugaaaucua			
.....aa <u>u</u> ucccacc <u>cc</u> uggucagag.....	12	0	s52
.....aa <u>u</u> ucGcacc <u>cc</u> uggucagagu.....	3	1	s52
.....aa <u>u</u> ucccacc <u>cc</u> uggucagagu.....	9	0	s52
.....aa <u>u</u> ucccacc <u>cc</u> uggucagag <u>A</u> a.....	3	1	s52
.....a <u>U</u> uucccacc <u>cc</u> uggucagaguauu.....	1	1	s52
.....a <u>u</u> ucccacc <u>cc</u> uggucagag.....	15	0	s52
.....a <u>u</u> ucccacc <u>cc</u> uggucagagu.....	4	0	s52
.....a <u>u</u> ucccacc <u>cc</u> uggucagagua.....	1	0	s52
.....a <u>u</u> ucGcacc <u>cc</u> uggucagagua.....	1	1	s52
.....a <u>u</u> uccGacc <u>cc</u> uggucagaguauuu.....	1	1	s52
..... <u>u</u> ucccacc <u>cc</u> uggucagag.....	1	0	s52
..... <u>u</u> ucccacc <u>cc</u> uggucagagu.....	1	0	s52
..... <u>A</u> ucccacc <u>cc</u> uggucagagua.....	1	1	s52
..... <u>u</u> cccacc <u>cc</u> uggucagagu.....	2	0	s52
..... <u>u</u> cccacc <u>cc</u> uggucagagua.....	1	0	s52
..... <u>A</u> cccacc <u>cc</u> uggucagagua.....	1	1	s52
..... <u>a</u> cc <u>cc</u> uggucagaguCuuuu.....	1	1	s52
..... <u>A</u> ugugugggccc <u>ca</u> uuuccaucaguaggg.....	1	1	s52
..... <u>a</u> caugguucauauugggau.....	1	0	s52
.....auggguucauaCgggauug.....	1	1	s52