



5'-	agucggaugcauccgacuaagaucgcggagggucguggguucgaa <u>ucccaucuggggcucggaauuuuu</u> uccgagauccag <u>uugguucua</u> ccauc <u>auuucauuugucaugugu</u>	-3'	obs	
	agucggaugcauccgacuaagaucgcggagggucguggguucgaa <u>ucccaucuggggcucggaauuuuu</u> uccgagauccag <u>uugguucua</u> ccauc <u>auuucauuugucaugugu</u>		exp	
	(((((.....))))))....((((.....))))(((.(((.(.(((((((((.....)))))).)))))).)))))).....	reads	mm	sample
	.....agaucgcggagggucguggguuU.....	1	1	s13
	.....cgaaucccaucuggggcucggaauuu.....	1	0	s13
	.....Agaaucccaucuggggcucggaauuuuuuccgagauccag <u>uugguucua</u> c.....	1	1	s13
	.....aaucccaucuggggcucggaauuu.....	1	0	s13
	.....aucccaucuggggcucggaau.....	1	0	s13
	.....Acccaucuggggcucggaauuu.....	3	1	s13
	.....Acccaucuggggcucggaauuuu.....	2	1	s13
	.....Acuggggcucggaauuuu.....	2	1	s13
	.....Auuccgagauccag <u>uugguucua</u> c.....	1	1	s13
	.....Auuccgagauccag <u>uuggu</u>	1	1	s13
	.....Accgagauccag <u>uugguucua</u> c.....	1	1	s13
	.....Acgaaucccaucuggggcucggaau.....	2	1	s23
	.....Acgaaucccaucuggggcucggaauu.....	2	1	s23
	.....aaucccaucuggggcucgga.....	1	0	s23
	.....aaucccaucuggggcucgga.....	1	0	s23
	.....aaucccaucuggggcucggaau.....	2	0	s23
	.....aaucccaucuggggcucggaauu.....	3	0	s23
	.....aaucccaucuggggcucggaauuu.....	4	0	s23
	.....aaucccGucuggggcucggaauuu.....	1	1	s23
	.....aaucccaucuggggcucggaauuu.....	1	0	s23
	.....aaucccaucuggggcucggaAUuu.....	2	1	s23
	.....aucccaucuggggcucgg.....	3	0	s23
	.....aucccaucuggggcucggaau.....	2	0	s23
	.....aucccaucuggggcucggaauu.....	9	0	s23
	.....aucccaucuggggcucggaauuuA.....	1	1	s23
	.....aucccaucuggggcucggaGuuu.....	1	1	s23
	.....aucccaucuggggcucggaauuu.....	5	0	s23
	.....aucccaucuggggcucggaauuuu.....	3	0	s23
	.....aucccaucGggggcucggaauuu.....	1	1	s23
	.....Acccaucuggggcucgga.....	1	1	s23
	.....Acccaucuggggcucgga.....	1	1	s23
	.....Acccaucuggggcucgga.....	3	1	s23

Mature Star

agucgggaugcauccgacuagaucgcggaggguucgaa <u>ucccaucuggggcucggauuuu</u> uccgagauccag <u>u</u> ggguuc <u>u</u> acc <u>u</u> cau <u>u</u> u <u>u</u> cau <u>u</u> u <u>u</u> guc <u>u</u> aug <u>u</u> gu			
.....Acccaucuggggcucggauuu.....	11	1	s23
.....Acccaucuggggcucggauuu.....	16	1	s23
.....Ccccaucuggggcucggauuu.....	1	1	s23
.....Acccaucuggggcucggauuuu.....	1	1	s23
.....Acccaucuggggcucggauuuuu.....	2	1	s23
.....Accaucuggggcucggauuuuu.....	3	1	s23
.....ccaucuggggcucggauuuuu.....	1	0	s23
.....aucuggggcucggauuu.....	11	0	s23
.....aucuggggcucggauuuu.....	7	0	s23
.....Acuggggcucggauuuuu.....	1	1	s23
.....Auuuuccgagauccag <u>u</u> gg.....	1	1	s23
.....auccgacuGgaucgcggagg.....	1	1	s72
.....Aaucgcggaggguucguggggu.....	1	1	s72
.....Acgaaucccaucuggggcucggauuu.....	1	1	s72
.....aaucccaucuggggcucgga.....	1	0	s72
.....aaucccaucuggggcucggauA.....	1	1	s72
.....aaucccaucuggggcucggauuuu.....	1	0	s72
.....aucccaucuggggcucggauu.....	1	0	s72
.....aucccaucuggggcucggauuu.....	6	0	s72
.....aucccaucuggggcucggauuuu.....	3	0	s72
.....aucccaucuggggcucggauAuuu.....	1	1	s72
.....aucccaucuggggcucggauuuu.....	2	0	s72
.....aucccaucuggggcucggauAuuu.....	2	1	s72
.....Acccaucuggggcucggauuu.....	3	1	s72
.....Acccaucuggggcucggauuuu.....	5	1	s72
.....Acccaucuggggcucggauuuu.....	1	1	s72
.....aucuggggcucggauuuu.....	3	0	s72
.....aucuggggcucggauuuu.....	1	0	s72
.....aucuggggcucggauAuuu.....	1	1	s72
.....Acgacuagaucgcggagg.....	1	1	s85
.....Agaggguucgugggguucgaaucccaucuggggcucgg.....	1	1	s85
.....aaucccaucuggggcucggauA.....	1	1	s85
.....aucccaucuggggcucggauu.....	1	0	s85
.....aucccaucuggggcucggauuuu.....	1	0	s85
.....Acccaucuggggcucggauuu.....	4	1	s85
.....Acccaucuggggcucggauuuu.....	3	1	s85
.....Acccaucuggggcucggauuuuu.....	1	1	s85
.....aaucccaucuggggcucgga.....	1	0	s09
.....Acccaucuggggcucggauuuu.....	3	1	s09
.....Accgagauccag <u>u</u> ggguuc <u>u</u> ac.....	1	1	s09
.....Agacuagaucgcggaggguucgugggguucga.....	1	1	s60
.....Agcggaggguucgugggguuc.....	1	1	s60
.....Ccgaggguucgugggguucg.....	1	1	s60
.....agggucgGggguucga <u>u</u> cc.....	1	1	s60
.....Ccgaaucccaucuggggcucggau.....	1	1	s60
.....Acgaaucccaucuggggcucggau.....	3	1	s60
.....Acgaaucccaucuggggcucggauu.....	1	1	s60
.....Acgaaucccaucuggggcucggauuu.....	1	1	s60
.....aaucccaucuggggcucgg.....	1	0	s60
.....aaucccaucuggggcucgga.....	3	0	s60
.....aaucccaucuggggcucggau.....	1	0	s60
.....aaucccaucuggggcucggauu.....	6	0	s60
.....aaucccaucuggggcucggauuG.....	1	1	s60
.....aaucccGucuggggcucggauuu.....	1	1	s60
.....aaucccaucuggggcucggauuu.....	9	0	s60
.....aaucccGucuggggcucggauuuu.....	1	1	s60
.....aaucccaucuggggcucggauuuu.....	1	0	s60
.....aucccaucuggggcucgg.....	2	0	s60
.....aucccaucuggggcucgga.....	3	0	s60
.....aucccaucuggggcucggau.....	1	0	s60
.....aucccaucuggggcucggauA.....	1	1	s60
.....aucccaucuggggcucggauu.....	9	0	s60
.....agggucgGggguucga <u>u</u> cc.....	18	0	s60
.....aucccaucuggggcucggauuuu.....	13	0	s60
.....aucccGucuggggcucggauuuu.....	2	1	s60
.....aucccaucuggggcucggauuuu.....	3	0	s60

Mature Star

agucgggaugcauccgacuaagaucgcggaggucguggguucgaa <u>ucccaucuggggcucggauuuuu</u> uccgagauccagauugguucua <u>cccauauuucauuugucaugugu</u>			
..... .aucccaucuggggcucggauuuuu.....	2	0	s60
..... .Acccaucuggggcucggga.....	1	1	s60
..... .Acccaucuggggcucggau.....	3	1	s60
..... .Acccaucuggggcucggauu.....	11	1	s60
..... .Acccaucuggggcucggauuu.....	40	1	s60
..... .Acccaucuggggcucggauuuu.....	13	1	s60
..... .Acccaucuggggcucggauuuuu.....	9	1	s60
..... .aucuggggcucggauuuu.....	9	0	s60
..... .aucuggggcucggauuuuu.....	2	0	s60
..... .aucuggggcucggauuuuuu.....	1	0	s60
..... .auccgacuagaucgcgga.....	2	0	s35
..... .auccgacuagaucgcggaggucg.....	1	0	s35
..... .auccgacuagaucgcggaggucgugg.....	1	0	s35
..... .Agacuagaucgcggaggucgugggu.....	2	1	s35
..... .aucCcgaggucguggguucgaa <u>ucccaucuggggcucgg</u>	1	1	s35
..... .aucUcgaggucguggguucgaa <u>ucccaucuggggcucggauuu</u>	1	1	s35
..... .Aucgugguucgaa <u>ucccaucuggggcucgg</u>	1	1	s35
..... .Augguucgaa <u>ucccaucuggggcucggau</u>	1	1	s35
..... .Acgaa <u>ucccaucuggggcucggga</u>	1	1	s35
..... .Acgaa <u>ucccaucuggggcucggau</u>	1	1	s35
..... .Acgaa <u>ucccaucuggggcucggauuu</u>	2	1	s35
..... .Acgaa <u>ucccaucuggggcucggauuuu</u>	2	1	s35
..... .cgaa <u>ucccaucuggggcucggauuuu</u>	1	0	s35
..... .aa <u>ucccaucuggggcucgg</u>	1	0	s35
..... .aa <u>ucccaucuggggcucggga</u>	1	0	s35
..... .aa <u>ucccaucuggggcucggau</u>	3	0	s35
..... .aa <u>ucccaucuggggcucggauu</u>	3	0	s35
..... .aa <u>ucccaucuggggcucggauuu</u>	7	0	s35
..... .aa <u>ucccaucuggggcucggauuuu</u>	1	0	s35
..... .aa <u>ucccaucuggggcucggauuuuu</u>	3	0	s35
..... .aucccaucuggggcucgg.....	9	0	s35
..... .aucccaucuggggcucggga.....	1	0	s35
..... .aucccaucuggggcucggau.....	4	0	s35
..... .aucccaucuggggcucggauu.....	11	0	s35
..... .aucccaucuggggcucggauA.....	1	1	s35
..... .aucccaucuggggcucggauuu.....	19	0	s35
..... .aucccaucuggggcucggauuuu.....	11	0	s35
..... .aucccaucuggggcucggauuuuu.....	6	0	s35
..... .aucccaucuggggcucggauuuuuu.....	1	0	s35
..... .Acccaucuggggcucggga.....	2	1	s35
..... .Acccaucuggggcucggau.....	4	1	s35
..... .Acccaucuggggcucggauu.....	16	1	s35
..... .Acccaucuggggcucggauuu.....	36	1	s35
..... .Acccaucuggggcucggauuuu.....	28	1	s35
..... .Ccccaucuggggcucggauuuuu.....	1	1	s35
..... .Acccaucuggggcucggauuuuu.....	24	1	s35
..... .Ccccaucuggggcucggauuuuuu.....	1	1	s35
..... .Acccaucuggggcucggauuuuuu.....	6	1	s35
..... .Accaucuggggcucggauuuuuu.....	1	1	s35
..... .aucuggggcucggauuuu.....	15	0	s35
..... .aucuggggcucggauuuuu.....	12	0	s35
..... .aucuggggAucggauuuuu.....	1	1	s35
..... .aucuggggcucggauAuuuu.....	1	1	s35
..... .aucuggggcucggauuuuuu.....	2	0	s35
..... .Acuggggcucggauuuuuu.....	2	1	s35
..... .auccgacuagaucgcggagggu.....	1	0	s52
..... .aucgcggaggucguggguucg.....	2	0	s52
..... .aucUcgaggucguggguucgaa <u>ucccaucuggggcucggauu</u>	1	1	s52
..... .aucUcgaggucguggguucgaa <u>ucccaucuggggcucggauuu</u>	1	1	s52
..... .Agcggaggucguggguucgaa.....	1	1	s52
..... .Aucgugguucgaa <u>ucccaucuggggcucggga</u>	1	1	s52
..... .Acgaa <u>ucccaucuggggcucggga</u>	3	1	s52
..... .Acgaa <u>ucccaucuggggcucggau</u>	1	1	s52
..... .Acgaa <u>ucccaucuggggcucggauu</u>	1	1	s52
..... .Acgaa <u>ucccaucuggggcucggauuu</u>	1	1	s52
..... .Acgaa <u>ucccaucuggggcucggauuuu</u>	1	1	s52
..... .aa <u>ucccaucuggggcucggga</u>	1	0	s52
..... .aa <u>ucccaucuggggcucggauu</u>	4	0	s52

Mature Star

agucgggaugcauccgacuagaucgcggaggguucgaa <u>ucccaucuggggcucggauuuu</u> <u>uccgagauccagugguucua</u> cccauuuucuuuugucaugugu			
.....aaucccaucuggggcucggauA.....	1	1	s52
.....aaucccaucuggggcucggauuu.....	11	0	s52
.....aaucccaucuggggcucggauuA.....	1	1	s52
.....aaucccaucuggggcucggauuuu.....	4	0	s52
.....aaucccaucuggggcucggauuuuu.....	4	0	s52
.....aucccaucuggggcucgg.....	1	0	s52
.....aucccaucuggggcucggau.....	1	0	s52
.....aucccaucuggggcucggauu.....	12	0	s52
.....aucccaucuggggcucggauuA.....	2	1	s52
.....aucccaucuggggcucggauuu.....	18	0	s52
.....aucccaucuggggcucggauuuu.....	1	1	s52
.....aucccaucuggggcucggauuuu.....	20	0	s52
.....aucccaucuggggcucggauuuu.....	2	1	s52
.....aucccaucuggggcucggauuuuu.....	11	0	s52
.....aucccaucuggggcucggauuuuu.....	3	1	s52
.....aucccaucuggggcucggauuuuuu.....	2	0	s52
.....Acccaucuggggcucgga.....	1	1	s52
.....Acccaucuggggcucgga.....	2	1	s52
.....Acccaucuggggcucgga.....	13	1	s52
.....Acccaucuggggcucgga.....	41	1	s52
.....Acccaucuggggcucgga.....	19	1	s52
.....Acccaucuggggcucgga.....	7	1	s52
.....Acccaucuggggcucgga.....	4	1	s52
.....Acccaucuggggcucgga.....	1	1	s52
.....aucuggggcucgga.....	5	0	s52
.....aucuggggcucgga.....	2	0	s52
.....aucuggggcucgga.....	1	1	s52
.....aucuggggcucgga.....	1	0	s52