



	-3'	obs	
gaacaugagcagugua <u>cguacuaucauccaggcacuu</u> aaguaucuggaauguaguacaguguauguacacucgcagaucauga <u>uacgugaaucaacu</u> uuuuuguuau gaacaugagcgagugua <u>cguacuaucauccaggcacuu</u> aaguaucuggaauguaguacaguguauguacacucgcagaucauga <u>uacgugaaucaacu</u> uuuuuguuau .((((((( ((((((((( ((((((((( ((((((((( ((((((((( ((((((((( ((((((((( ((((((((( .....)))))).....((((.....))).. .....cacugua <u>cuucauccaggcacu</u> .....readsmmsample .....cacugua <u>cuucauccaggcacuu</u> .....20s16 .....guacuggGauguaguacagu.....11s16 .....guacuggGauguaguacagugu.....11s16 .....uacuggGauguaguacag.....71s16 .....uacuggaauguaguacagu.....30s16 .....uacuggGauguaguacagu.....441s16 .....uacuggGauguaguacagugu.....81s16 .....uacuggGauguaguacaguguau.....21s16 .....acuggaauguaguacagu.....20s16 .....uggGauguaguacaguguau.....61s16  .....acacugua <u>cuucauccaU</u> .....11s09 .....acacugua <u>cuucauccaggcacu</u> .....50s09 .....cacugua <u>cuucauccaggUacu</u> .....21s09 .....acugua <u>cuucauccaggcacu</u> .....10s09 .....cugua <u>cuucauccaggcacC</u> .....11s09 .....uguacu <u>cauccaggcacu</u> .....10s09 .....uacuggGauguaguacag.....111s09 .....uacuggGauguaguacagu.....171s09 .....uacuggaauguaguacagu.....20s09 .....uacuggGauguaguacagugu.....111s09 .....uacuggGauguaguacaguguua.....11s09 .....uacuggGauguaguacaguguau.....51s09 .....uggaauguaguacagugu.....10s09  .....uacacugua <u>cuucauccA</u> .....11s07 .....cacugua <u>cuucauccagg</u> .....10s07 .....cacugua <u>cuucauccaggUacu</u> .....11s07 .....cuguacu <u>cauccaggUacuu</u> .....11s07 .....guacuggGauguaguaca.....31s07 .....uacuggGauguaguacag.....291s07 .....uacuggGauguaguacagu.....641s07			

## Star

## Mature

gaacaugagcaguguacguacacuguaacuuc <u>aucc</u> cagcacuuuu <u>aa</u> g <u>ua</u> c <u>ug</u> g <u>aa</u> u <u>g</u> u <u>ag</u> u <u>ac</u> g <u>ua</u> gu <u>au</u> g <u>ac</u> ac <u>u</u> gc <u>ag</u> u <u>ac</u> au <u>g</u> u <u>ac</u> g <u>ua</u> g <u>aa</u> u <u>ca</u> acuuuuuu <u>g</u> u <u>au</u>			
.....uacuggGauguaguacagug.....	2	1	s07
.....uacuggGauguaguacagugu.....	8	1	s07
.....uacuggGauguaguacagugua.....	2	1	s07
.....uacuggGauguaguacaguguau.....	3	1	s07
.....cuggGauguaguacagug.....	1	1	s07
.....uggGauguaguacagugu.....	1	1	s07
.....uggGauguaguacaguguau.....	2	1	s07
.....acuuuu <u>aa</u> g <u>ua</u> c <u>ug</u> g <u>aa</u> u <u>g</u> u <u>ag</u> u <u>ac</u> g <u>ua</u> gu.....	2	1	s08
.....guacuggGauguaguacagugua.....	2	1	s08
.....uacuggGauguaguacag.....	9	1	s08
.....uacuggGauguaguacagu.....	51	1	s08
.....uacuggGauguaguacagug.....	1	1	s08
.....uacuggGauguaguacagugu.....	30	1	s08
.....uacuggGauguaguacagugua.....	8	1	s08
.....uacuggGauguaguacaguguau.....	2	1	s08
.....cuggGauguaguacagugu.....	1	1	s08
.....cuggGauguaguacaguguau.....	2	1	s08
.....uggGauguaguacagugu.....	1	1	s08
.....uacuggGauguaguacag.....	8	1	s04
.....uacuggGauguaguacagu.....	17	1	s04
.....uacuggGauguaguacagugu.....	2	1	s04
.....uacuggGauguaguacagugua.....	1	1	s04
.....uacuggGauguaguacagu.....	6	1	s15
.....uacuggGauguaguacagugu.....	2	1	s15
.....uacuggGauguaguacaguguau.....	1	1	s15
.....guacuggGauguaguacagu.....	2	1	s03
.....uacuggGauguaguacag.....	1	1	s03
.....uacuggGauguaguacagu.....	28	1	s03
.....uacuggGauguaguacagugu.....	3	1	s03
.....uacuggGauguaguacagugua.....	1	1	s03
.....acuggGauguaguacagugu.....	1	1	s03
.....acacugua <u>cu</u> u <u>ca</u> u <u>cc</u> a <u>U</u> .....	1	1	s06
.....cacugua <u>cu</u> u <u>ca</u> u <u>cc</u> cag <u>U</u> acu.....	1	1	s06
.....uacuggGauguaguacag.....	26	1	s06
.....uacuggGauguaguacagu.....	185	1	s06
.....uacuggGauguaguacagugu.....	12	1	s06
.....uacuggGauguaguacagugua.....	2	1	s06
.....uacuggGauguaguacaguguau.....	4	1	s06
.....cuggGauguaguacaguguau.....	1	1	s06
.....uggGauguaguacaguguau.....	2	1	s06
.....uacacugua <u>cu</u> u <u>ca</u> u <u>cc</u> cag <u>U</u> ac.....	1	1	s02
.....acacugua <u>cu</u> u <u>ca</u> u <u>cc</u> cag.....	3	0	s02
.....guacuggGauguaguacagu.....	1	1	s02
.....guacuggGauguaguacagug.....	1	1	s02
.....guacuggGauguaguacagugu.....	5	1	s02
.....guacuggGauguaguacagugua.....	10	1	s02
.....uacuggGauguaguacag.....	7	1	s02
.....uacuggGauguaguacagu.....	36	1	s02
.....uacuggGauguaguacagug.....	1	1	s02
.....uacuggGauguaguacagugu.....	69	1	s02
.....uacugg <u>aa</u> u <u>g</u> u <u>ag</u> u <u>ac</u> g <u>ua</u> gu.....	1	0	s02
.....uacuggGauguaguacagugua.....	23	1	s02
.....uacuggGauguaguacaguguau.....	13	1	s02
.....acuggGauguaguacagugu.....	3	1	s02
.....cuggGauguaguacagugu.....	1	1	s02
.....cuggGauguaguacaguguau.....	9	1	s02
.....uggGauguaguacagugu.....	2	1	s02
.....uggGauguaguacagugua.....	2	1	s02
.....uggGauguaguacaguguau.....	18	1	s02
.....acacugua <u>cu</u> u <u>ca</u> u <u>cc</u> a.....	1	0	s18
.....uacuggGauguaguacag.....	8	1	s18
.....uacuggGauguaguacagu.....	51	1	s18
.....uacuggGauguaguacagugu.....	14	1	s18

## Star

## Mature

gaacacugagcagugacguacacacuguaacuucacuccagcacuuuaaguaucuggaauguaagacaguguauguaacacugcagucacuguaacgugaaucaacuuuuuguaau

.....uacugggGauguaguacagugua.....	1	1	s18
.....uacugggGauguaguacagugua.....	2	1	s18
.....uacacuguaacuucacucc.....	1	0	s05
.....uacacuguaacuucacuccagcac.....	1	0	s05
.....cacuguaacuucacuccagU.....	1	1	s05
.....cacuguaacuucacuccagcacC.....	2	1	s05
.....cacuguaacuucacuccagcacu.....	13	0	s05
.....cacuguaacuucacuccagcacuu.....	1	0	s05
.....uacuggaauguaaguacag.....	1	0	s05
.....uacugggGauguaguacag.....	7	1	s05
.....uacuggaauguaaguacaguu.....	8	0	s05
.....uacugggGauguaguacaguu.....	23	1	s05
.....uacugggGauguaguacaguguu.....	8	1	s05
.....uacugggGauguaguacagugua.....	3	1	s05
.....uacugggGauguaguacagugua.....	1	1	s05
.....uggGauguaguacagugua.....	1	1	s05
.....uggGauguaguacaguguaug.....	1	1	s05
.....cacuguaacuucacuccagUac.....	3	1	s12
.....cacuguaacuucacuccagUacu.....	1	1	s12
.....guacugggGauguaguacaguu.....	1	1	s12
.....uacugggGauguaguacag.....	15	1	s12
.....uacugggGauguaguacaguu.....	33	1	s12
.....uacugggGauguaguacagug.....	1	1	s12
.....uacugggGauguaguacaguguu.....	11	1	s12
.....uacugggGauguaguacagugua.....	5	1	s12
.....uacugggGauguaguacagugua.....	8	1	s12
.....acugggGauguaguacaguu.....	1	1	s12
.....cugggGauguaguacaguguu.....	1	1	s12
.....uggGauguaguacagugua.....	2	1	s12
.....uacugggGauguaguacag.....	11	1	s13
.....uacugggGauguaguacaguu.....	26	1	s13
.....uacugggGauguaguacaguguu.....	2	1	s13
.....uacugggGauguaguacagugua.....	1	1	s13
.....uacugggGauguaguacagugua.....	4	1	s13
.....uacugggGauguaguacaguguaug.....	3	1	s13
.....uggGauguaguacagugua.....	4	1	s13
.....cacuguaacuucacuccagUacuuuaagua.....	1	1	s19
.....guacugggGauguaguacag.....	1	1	s19
.....uacugggGauguaguacag.....	44	1	s19
.....uacugggGauguaguacaguu.....	485	1	s19
.....uacugggGauguaguacagug.....	3	1	s19
.....uacugggGauguaguacaguguu.....	69	1	s19
.....uacugggGauguaguacagugua.....	3	1	s19
.....cugggGauguaguacaguguu.....	1	1	s19
.....cugggGauguaguacaguguaug.....	1	1	s19
.....uacugggGauguaguacag.....	2	1	s14
.....uacugggGauguaguacaguu.....	5	1	s14
.....uacugggGauguaguacaguguu.....	4	1	s14
.....cacuguaacuucacuccagUacu.....	1	1	s10
.....uacugggGauguaguacag.....	12	1	s10
.....uacugggGauguaguacaguu.....	31	1	s10
.....uacugggGauguaguacaguguu.....	10	1	s10
.....uacugggGauguaguacagugua.....	1	1	s10
.....uggGauguaguacaguguu.....	2	1	s10
.....acacuguaacuucacuccaU.....	3	1	s01
.....uacugggGauguaguacag.....	14	1	s01
.....uacugggGauguaguacaguu.....	53	1	s01
.....uacugggGauguaguacaguguu.....	2	1	s01
.....uacuggaauguaaguacaguguu.....	1	0	s01
.....uacugggGauguaguacag.....	5	1	s17
.....uacugggGauguaguacaguu.....	45	1	s17
.....uacuggaauguaGguacaguu.....	1	1	s17

Star

Mature

gaacaugagcaguguacguacacugua <u>cuu</u> caucccagcacuuuu <u>aa</u> guacuggga <u>aug</u> uag <u>uac</u> aguguauguacacugcag <u>uac</u> auguacgugaaucaacuuuuuuguuau			
.....uacugga <u>aug</u> uag <u>uac</u> agC.....	1	1	s17
.....uacugga <u>aug</u> uag <u>uac</u> agu.....	2	0	s17
.....uacuggG <u>aug</u> uag <u>uac</u> ag <u>u</u> .....	2	1	s17