



5'	uacuuauugaggucCGgaauuuggggagggguuauccacacuuaaaauucuguugauuucuccccuccccgcacauugaccucaucuuuacucucucuguuuuuauaua	-3'	obs	
	uacuuauugaggucCGgaauuuggggagggguuauccacacuuaaaauucuguugauuucuccccuccccgcacauugaccucaucuuuacucucucuguuuuuauaua		exp	
(((((((.....((((((((((.....(((.....))))).))).....))))))))......)))))).....	reads	mm	sample
.....	.AugaggucCGgaauuugggga.....	1	1	s72
.....	.AgaggucCGgaauuugggg.....	22	1	s72
.....	.AgaggucCGgaauuugggga.....	44	1	s72
.....	.AgaggucCGgaauuuggggag.....	86	1	s72
.....	.AgaggucCGgaauuuggggagg.....	166	1	s72
.....	.AgaggucCGgaauuuggggaggg.....	133	1	s72
.....	.AgaggucCGgaauuuggggagggu.....	95	1	s72
.....	.AgaggucCGgaauuuggggaggguu.....	43	1	s72
.....	.AgaggucCGgaauuuggggaggguua.....	195	1	s72
.....	.AgaggucCGgaauuuggggaggguuau.....	15	1	s72
.....	.AgaggucCGgaauuuggggaggguuauuc.....	17	1	s72
.....	.AgaggucCGgaauuuggggaggguuauucc.....	73	1	s72
.....	.AgaggucCGgaauuuggggaggguuauucca.....	27	1	s72
.....	.AgaggucCGgaauuuggggaggguuauuccac.....	24	1	s72
.....	.gaggucCGgaauuugggga.....	5	0	s72
.....	.gaggucCGgaauuuggggag.....	4	0	s72
.....	.UaggucCGgaauuuggggag.....	1	1	s72
.....	.gaggucCGgaauuuggggagg.....	4	0	s72
.....	.gaggucCGgaauuuggggaggg.....	5	0	s72
.....	.AaggucCGgaauuuggggaggg.....	3	1	s72
.....	.AaggucCGgaauuuggggagggu.....	1	1	s72
.....	.gaggucCGgaauuuggggagggu.....	4	0	s72
.....	.AaggucCGgaauuuggggaggguu.....	1	1	s72
.....	.gaggucCGgaauuuggggaggguu.....	2	0	s72
.....	.AaggucCGgaauuuggggaggguua.....	6	1	s72
.....	.gaggucCGgaauuuggggaggguua.....	10	0	s72
.....	.gaggucCGgaauuuggggaggguuauuc.....	2	0	s72
.....	.gaggucCGgaauuuggggaggguuauucc.....	6	0	s72
.....	.AaggucCGgaauuuggggaggguuauucca.....	2	1	s72
.....	.gaggucCGgaauuuggggaggguuauuccac.....	2	0	s72
.....	.gaggucCGgaauuuggggCggguuauuccaca.....	2	1	s72
.....	.gaggucCGgaUGggggaggguuauuccaca.....	1	1	s72
.....	.gaggucCGgaauuuggggaggguuGuccaca.....	1	1	s72

Mature

Star

uacuuauugagguccggauuuggggaggguuauccacacuuaaaucuguugauucuccccccuccccgcacauugaccucaucuuuuuacucucucuuuuuuauaua

.....Uagguccggauuuggggaggguuauccaca.....	1	1	s72
.....gagguccUgauuuggggaggguuauccaca.....	1	1	s72
.....Aagguccggauuuggggaggguuauccaca.....	22	1	s72
.....gCgguccggauuuggggaggguuauccaca.....	2	1	s72
.....gagguccggauuuggggaggguuauccaca.....	55	0	s72
.....agguccggauuuggggagg.....	1	0	s72
.....agguccggauuuggggagg.....	8	0	s72
.....agguccggauuuggggagg.....	4	0	s72
.....agguccggauuuggggagggu.....	8	0	s72
.....agguccggauuuggggaggguu.....	3	0	s72
.....agguccggauuuggggaggguua.....	11	0	s72
.....agguccggauuuggggaggguuau.....	1	0	s72
.....agguccggauuuggggaggguuauucc.....	1	0	s72
.....agguccggauuuggggaggguuauucca.....	1	0	s72
.....agguccggauuuggggaggguuauuccac.....	2	0	s72
.....agguccggauuUggggaggguuauccaca.....	1	1	s72
.....agguccggauuuggggaggguuauccaca.....	26	0	s72
.....agguccggauuuggggaggguuauccacac.....	3	0	s72
.....agguccggauuuggggAaggguuauccacac.....	1	1	s72
.....Aguccggauuuggggagg.....	3	1	s72
.....Aguccggauuuggggagg.....	8	1	s72
.....gguccggauuuggggagg.....	1	0	s72
.....Aguccggauuuggggagggu.....	4	1	s72
.....gguccggauuuggggagggu.....	1	0	s72
.....Aguccggauuuggggaggguua.....	8	1	s72
.....Aguccggauuuggggaggguuauc.....	2	1	s72
.....gguccggauuuggggaggguuauucc.....	1	0	s72
.....Aguccggauuuggggaggguuauucc.....	1	1	s72
.....gguccggauuugggggCggguuauucc.....	1	1	s72
.....gguccggauuuggggaggguuauccacC.....	1	1	s72
.....Aguccggauuuggggaggguuauccaca.....	9	1	s72
.....gguccggauuuggggaggguuauccaca.....	8	0	s72
.....Auccggauuuggggagg.....	22	1	s72
.....guccggauuuggggagg.....	1	0	s72
.....Auccggauuuggggagggu.....	23	1	s72
.....Auccggauuuggggaggguu.....	9	1	s72
.....guccggauuuggggaggguua.....	3	0	s72
.....Auccggauuuggggaggguua.....	28	1	s72
.....gCccggauuuggggaggguua.....	1	1	s72
.....guccggauuuggggaggguuauucc.....	1	0	s72
.....Auccggauuuggggaggguuauucca.....	3	1	s72
.....guccggauuuggggaggguuauccaca.....	5	0	s72
.....Auccggauuuggggaggguuauccaca.....	14	1	s72
.....Auccggauuuggggaggguuauccacacu.....	6	1	s72
.....guccggauuuggggaggguuauccacacu.....	1	0	s72
.....guccggaCuuggggaggguuauccacacu.....	1	1	s72
.....Auccggauuuggggaggguuauccacacuu.....	2	1	s72
.....Accggauuuggggagggu.....	3	1	s72
.....uccggauuuggggagggu.....	5	0	s72
.....Accggauuuggggaggguu.....	3	1	s72
.....uccggauuuggggaggguua.....	5	0	s72
.....Accggauuuggggaggguua.....	8	1	s72
.....Accggauuuggggaggguuauucca.....	1	1	s72
.....uccggauuuggggaggguuauucca.....	1	0	s72
.....Accggauuuggggaggguuauccaca.....	2	1	s72
.....uccggauuuggggaggguuauccaca.....	7	0	s72
.....Accggauuuggggaggguuauccacacu.....	1	1	s72
.....Accggauuuggggaggguuauccacacuu.....	1	1	s72
.....Accggauuuggggaggguuauccacacuu.....	2	1	s72
.....Acggauuuggggaggguu.....	1	1	s72
.....Acggauuuggggaggguua.....	3	1	s72
.....Acggauuuggggaggguuauucca.....	1	1	s72
.....Acggauuuggggaggguuauuccac.....	1	1	s72
.....ccggauuuggggaggguuauccaca.....	1	0	s72
.....Acggauuuggggaggguuauccaca.....	5	1	s72
.....Acggauuuggggaggguuauccacac.....	1	1	s72
.....Acggauuuggggaggguuauccacacu.....	2	1	s72
.....Acggauuuggggaggguuauccacacuu.....	1	1	s72
.....Acggauuuggggaggguuauccacacuu.....	1	1	s72
.....Acggauuuggggaggguuauccacacuu.....	1	1	s72
.....Aggauuuggggaggguua.....	3	1	s72

Mature

Star

uacuuauugagguccggauuuggggaggguuauccacacuuaaaauucuguugauucucccccucccccgcacauugaccucaucuuuuuacucucucuuuuuuauaua

.....Aggauuuggggaggguuau.....	1	1	s72
.....Aggauuuggggaggguuauuc.....	1	1	s72
.....Aggauuuggggaggguuauucc.....	2	1	s72
.....Aggauuuggggaggguuauuccac.....	2	1	s72
.....Aggauuuggggaggguuauuccaca.....	1	1	s72
.....Aggauuuggggaggguuauuccacac.....	1	1	s72
.....Aggauuuggggaggguuauuccacacuu.....	2	1	s72
.....Aggauuuggggaggguuauuccacacuuaa.....	1	1	s72
.....Agauuuggggaggguuauucca.....	1	1	s72
.....Agauuuggggaggguuauuccaca.....	8	1	s72
.....Agauuuggggaggguuauuccacacu.....	1	1	s72
.....Agauuuggggaggguuauuccacacuu.....	1	1	s72
.....Agauuuggggaggguuauuccacacuu.....	1	1	s72
.....AgauuuggggaggguuauuccacacuuC.....	2	1	s72
.....gauuuggggaggguuauuccaca.....	4	0	s72
.....Aauuuggggaggguuauuccaca.....	1	1	s72
.....Aauuuggggaggguuauuccacacu.....	1	1	s72
.....gauuuggggaggguuauuccacacuu.....	3	0	s72
.....Aauuuggggaggguuauuccacacuu.....	1	1	s72
.....gauuuggggaggguuauuccacacuuC.....	1	1	s72
.....auuuggggaggguuauuca.....	1	1	s72
.....auuuggggaggguuauucca.....	2	0	s72
.....auuuggggaggguuauuccac.....	2	0	s72
.....auuuggggaggguuauuccaca.....	13	0	s72
.....auuuggggCggguuauuccaca.....	1	1	s72
.....auuuggggaggguuauuccacacu.....	5	0	s72
.....auuuggggaggguuauuccacacuu.....	3	0	s72
.....auuuggggaggguuauuccacacuu.....	1	0	s72
.....auuuggggaggguuauuccacacuuaa.....	4	0	s72
.....Auuggggaggguuauucca.....	5	1	s72
.....Auuggggaggguuauuccac.....	2	1	s72
.....uuuggggaggguuauuccaca.....	1	0	s72
.....Auuggggaggguuauuccaca.....	39	1	s72
.....uuuggggaggguuCuccaca.....	1	1	s72
.....Auuggggaggguuauuccacac.....	2	1	s72
.....Auuggggaggguuauuccacacu.....	5	1	s72
.....Auuggggaggguuauuccacacuu.....	2	1	s72
.....Auuggggaggguuauuccacacuu.....	12	1	s72
.....Auuggggaggguuauuccacacuuaaa.....	1	1	s72
.....Auggggaggguuauuccac.....	35	1	s72
.....Auggggaggguuauuccaca.....	3056	1	s72
.....Cuggggaggguuauuccaca.....	1	1	s72
.....uuggggaggguuauuccaca.....	5	0	s72
.....Auggggaggguuauuccacac.....	12	1	s72
.....Auggggaggguuauuccacacu.....	62	1	s72
.....Auggggaggguuauuccacacuu.....	5	1	s72
.....Auggggaggguuauuccacacuu.....	19	1	s72
.....Auggggaggguuauuccacacuuaa.....	1	1	s72
.....Auggggaggguuauuccacacuuaaa.....	1	1	s72
.....Auggggaggguuauuccacacuuaaaauucug.....	1	1	s72
.....Aggggaggguuauuccaca.....	5125	1	s72
.....Cggggaggguuauuccaca.....	2	1	s72
.....uggggaggguauuccCca.....	1	1	s72
.....uggggaggguuCuccaca.....	1	1	s72
.....uggggaggguuauuccacC.....	1	1	s72
.....uggggaggguuauuccaca.....	176	0	s72
.....uggggaggguuauuccaca.....	1	1	s72
.....uggggCggguuauuccaca.....	5	1	s72
.....uggggaggguuauuccacac.....	3	0	s72
.....Aggggaggguuauuccacac.....	29	1	s72
.....uggggaggguuauuccacacu.....	6	0	s72
.....uggggaggguuauUcacacu.....	1	1	s72
.....Aggggaggguuauuccacacu.....	26	1	s72
.....Aggggaggguuauuccacacuu.....	9	1	s72
.....Aggggaggguuauuccacacuu.....	5	1	s72
.....uggggCggguuauuccacacuu.....	1	1	s72
.....Aggggaggguuauuccacacuuaaa.....	1	1	s72
.....Aggggaggguuauuccacacuuaaaau.....	2	1	s72
.....ggggaggguuauuccacac.....	2	0	s72
.....ggggaggguuauuccacacu.....	1	0	s72

Star

.....auugagguccggauuuggggaggguuU.....	1	1	s23
.....Agagguccggauuugggg.....	5	1	s23
.....Agagguccggauuugggga.....	89	1	s23
.....Agagguccggauuuggggag.....	161	1	s23
.....Agagguccggauuugggggagg.....	157	1	s23
.....Agagguccggauuuggggagggg.....	149	1	s23
.....Agagguccggauuuggggaggggu.....	39	1	s23
.....Agagguccggauuugggggagggguu.....	44	1	s23
.....Agagguccggauuugggggagggguua.....	118	1	s23
.....Agagguccggauuugggggagggguuu.....	18	1	s23
.....Agagguccggauuugggggagggguuau.....	17	1	s23
.....Agagguccggauuugggggagggguuaucc.....	26	1	s23

Mature

Star

uacuuauuaggaguccggauuuggggaggguuauccacacuuaaaucuguugauucucccccuccccgcacauugaccucaucuuuuuacucucucuuguuuuuuauaua

. Agagguccggauuuggggaggguuaucca	37	1	s23
. Agagguccggauuuggggaggguuauccac	20	1	s23
. gagguccggauuuggggga	5	0	s23
. gagguccggauuuggggag	10	0	s23
. gagguccggauuuggggagg	13	0	s23
. Aagguccggauuuggggagg	1	1	s23
. gagguccggauuuggggagg	8	0	s23
. Aagguccggauuuggggagg	1	1	s23
. Aagguccggauuuggggagg	1	1	s23
. Aagguccggauuuggggaggguu	1	1	s23
. gagguccggauuuggggaggguu	4	0	s23
. gagguccggauuuggggaggguua	4	0	s23
. Aagguccggauuuggggaggguua	3	1	s23
. gagguccggauuuggggaggguua	2	0	s23
. gagguccggauuuggggaggguuaucA	1	1	s23
. gagguccggauuuggggaggguuaucc	3	0	s23
. gagguccggauuuggggaggguuauccac	1	0	s23
. gagguccggCuuggggaggguuauccaca	2	1	s23
. gCgguccggauuuggggaggguuauccaca	2	1	s23
. Aagguccggauuuggggaggguuauccaca	7	1	s23
. gagguccggauuuggggaggguuauccCca	1	1	s23
. gagguccAggauuuggggaggguuauccaca	1	1	s23
. gagguccggauuuggggaggguuauccaca	55	0	s23
. agguccggauuuggggag	4	0	s23
. agguccggauuuggggagg	2	0	s23
. agguccggauuuggggagg	7	0	s23
. agguccggauuuggggagggu	1	0	s23
. agguccggauuuggggaggguu	2	0	s23
. agguccggauuuggggaggguua	5	0	s23
. agguccggauuuggggaggguuaucca	2	0	s23
. agguccggauuuggggaggguuauccac	1	0	s23
. agguccggauuugggggCggguuauccaca	1	1	s23
. agguccggauuuggggaggguuauccaca	11	0	s23
. agguccggCuuggggaggguuauccaca	1	1	s23
. aggGccggauuuggggaggguuauccaca	1	1	s23
. gguccggauuuggggagg	2	0	s23
. Aguccggauuuggggaggguua	2	1	s23
. gguccggauuuggggaggguua	1	0	s23
. gguccggauuuggggaggguuauccaca	3	0	s23
. Aguccggauuuggggaggguuauccaca	7	1	s23
. Auuccggauuuggggagg	6	1	s23
. guccggaAuuggggagg	1	1	s23
. Auuccggaauuggggagggu	5	1	s23
. Auuccggaauuggggaggguu	1	1	s23
. Auuccggaauuggggaggguua	15	1	s23
. Auuccggaauuggggaggguuaucca	1	1	s23
. Auuccggaauuggggaggguuauccaca	21	1	s23
. guccggaauuggggaggguuauccaca	1	0	s23
. Auuccggaauuggggaggguuauccacacuu	1	1	s23
. Accggauuuggggaggguu	5	1	s23
. ucAggauuuggggaggguua	1	1	s23
. Accggauuuggggaggguua	2	1	s23
. uccggauuuggggaggguua	1	0	s23
. Accggauuuggggaggguua	1	1	s23
. uccggauuuggggaggguuauccaca	5	0	s23
. Accggauuuggggaggguuauccaca	2	1	s23
. uccggauuuggggaggguuauccacacuu	1	0	s23
. Accggauuuggggaggguuauccacacuu	7	1	s23
. uccggauuuggggaggguuauccacacuu	1	0	s23
. ccggauuuggggaggguu	1	0	s23
. Accggaauuggggaggguu	1	1	s23
. Accggaauuggggaggguuaucca	1	1	s23
. Accggaauuggggaggguuauccac	7	1	s23
. ccggauuuggggaggguuauccaca	2	0	s23
. ccggauuuggggaggguuauccacac	1	0	s23
. Accggaauuggggaggguuauccacac	1	1	s23
. Accggaauuggggaggguuauccacacuu	1	1	s23
. Accggaauuggggaggguuauccacacuu	8	1	s23
. ccggauuuggggaggguuauccacacuu	1	0	s23
. Aggaauuggggaggguuauc	2	1	s23

Mature

Star

uacuuauugagguccggauuuggggaggguuauccacacuuuaauucuguugauucucccccucggcagacauugaccucaucuuuuacucucucuuuuuuauaua

.....Aggauuuggggaggguuauucc.....	2	1	s23
.....Aggauuuggggaggguuauucca.....	1	1	s23
.....Aggauuuggggaggguuauuccaca.....	9	1	s23
.....Aggauuuggggaggguuauuccacac.....	1	1	s23
.....Aggauuuggggaggguuauuccacacu.....	2	1	s23
.....Aggauuuggggaggguuauuccacacuua.....	2	1	s23
.....cggauuuggggaggguuauuccacacuuaa.....	1	0	s23
.....Aggauuuggggaggguuauuccacacuuaa.....	1	1	s23
.....Agauuuggggaggguuauucc.....	2	1	s23
.....Agauuuggggaggguuauucc.....	4	1	s23
.....ggauuuggggaggguuauucca.....	1	0	s23
.....Agauuuggggaggguuauuccaca.....	3	1	s23
.....Agauuuggggaggguuauuccacac.....	4	1	s23
.....ggauuuggggaggguuauuccacacuu.....	1	1	s23
.....Agauuuggggaggguuauuccacacuua.....	3	1	s23
.....gauuuggggaggguuauucc.....	1	0	s23
.....gauuuggggaggguuauuccacacuua.....	1	0	s23
.....Aauuuggggaggguuauuccacacuua.....	3	1	s23
.....auuuggggaggguuauucc.....	2	0	s23
.....auuuggggaggguuauuccaca.....	6	0	s23
.....auuuggggaggguuauuccacacuua.....	1	0	s23
.....auuuggggaggguuauuccacacuAa.....	1	1	s23
.....auuuggggaggguuauuccacacuuaa.....	2	0	s23
.....Auuggggaggguuauucca.....	4	1	s23
.....Auuggggaggguuauuccaca.....	39	1	s23
.....uuuggggaggguuauuccaca.....	1	0	s23
.....Auuggggaggguuauuccacac.....	1	1	s23
.....Auuggggaggguuauuccacacu.....	2	1	s23
.....Auuggggaggguuauuccacacuu.....	1	1	s23
.....Auuggggaggguuauuccacacuua.....	5	1	s23
.....Auuggggaggguuauuccacacuuaa.....	1	1	s23
.....Auuggggaggguuauuccacacuuaaa.....	1	1	s23
.....Auggggaggguuauuccac.....	56	1	s23
.....uuggggaggguuauuccaca.....	2	0	s23
.....Auggggaggguuauuccaca.....	4223	1	s23
.....Cuggggaggguuauuccaca.....	1	1	s23
.....Auggggaggguuauuccacac.....	12	1	s23
.....Auggggaggguuauuccacacu.....	19	1	s23
.....Auggggaggguuauuccacacuu.....	2	1	s23
.....uuggggaggguuauuccacacuua.....	2	0	s23
.....Auggggaggguuauuccacacuua.....	8	1	s23
.....Auggggaggguuauuccacacuuaa.....	3	1	s23
.....Auggggaggguuauuccacacuuaaa.....	1	1	s23
.....Auggggaggguuauuccacacuuaaaucug.....	1	1	s23
.....uggggaAgguuauuccaca.....	1	1	s23
.....uggggaCggguuauuccaca.....	1	1	s23
.....uggggaaggguuauuccacC.....	1	1	s23
.....uggggaaggguuauuccaAa.....	1	1	s23
.....Cgggaggguuauuccaca.....	1	1	s23
.....uggAgaggguuauuccaca.....	1	1	s23
.....uggggaaggguuauuccCca.....	1	1	s23
.....uggggCggguuauuccaca.....	11	1	s23
.....uggggaggguuauuccaca.....	1	1	s23
.....uggggaggguuauuccaca.....	269	0	s23
.....Aggggaggguuauuccaca.....	10116	1	s23
.....uggggaggguuCuuccaca.....	5	1	s23
.....Aggggaggguuauuccacac.....	15	1	s23
.....uggggaggguuauuccacacu.....	1	0	s23
.....Aggggaggguuauuccacacu.....	10	1	s23
.....Aggggaggguuauuccacacuu.....	5	1	s23
.....uggggaggguuauuccacacuua.....	1	0	s23
.....Aggggaggguuauuccacacuua.....	14	1	s23
.....Aggggaggguuauuccacacuuaa.....	4	1	s23
.....Aggggaggguuauuccacacuuaaa.....	1	1	s23
.....Agggaggguuauuccacac.....	4	1	s23
.....ggggaggguuauuccacacu.....	1	0	s23
.....Agggaggguuauuccacacuu.....	1	1	s23
.....Agggaggguuauuccacacuua.....	2	1	s23
.....ggggaggguuauuccacacuua.....	1	0	s23
.....gggaggguuauuccacacuua.....	3	0	s23

Star

.....ggagggguuauccacacuua.....	1	0	s23
.....Agagggguuauccacacuuaa.....	1	1	s23
.....Acuguugauucucccccu.....	1	1	s23
.....Auugauucucccccccucccgca.....	1	1	s23
.....auucucccccccucccgacaca.....	1	0	s23
.....Auucccccccucccgacacauugaccuca.....	3	1	s23
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Mature

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Mature

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Mature

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.....gagguccggauuuggggga.....	4	0	s09
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Mature

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Mature

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Mature

Star

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Mature

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Mature

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Mature

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Mature

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.....cggauuuggggagggguuauccaca.....	1	0	s60
.....cggauuuggggagggguuauccacacA.....	1	1	s60
.....Agauuuggggagggguua.....	1	1	s60
.....Agauuuggggagggguuaucc.....	2	1	s60
.....ggauuuggggagggguuaucc.....	1	0	s60
.....Agauuuggggagggguuaucca.....	3	1	s60
.....Agauuuggggagggguuauccaca.....	4	1	s60
.....Agauuuggggagggguuauccacacu.....	1	1	s60
.....Agauuuggggagggguuauccacacuu.....	1	1	s60
.....Agauuuggggagggguuauccacacuua.....	3	1	s60
.....Aauuuggggagggguuaucca.....	1	1	s60
.....Aauuuggggagggguuauccaca.....	4	1	s60
.....gauuuggggagggguuauccacac.....	1	0	s60
.....Aauuuggggagggguuauccacacu.....	1	1	s60
.....auuuggggagggguuaucca.....	5	0	s60
.....auuuggggagggguuauccaca.....	9	0	s60
.....auuuggggagggguuauccacac.....	1	0	s60
.....auuuggggagggguuauccacacu.....	2	0	s60
.....auuuggggagggguuauccacacuu.....	2	0	s60
.....auuuggggagggguuauccacacuua.....	3	0	s60
.....Auuggggagggguuaucca.....	2	1	s60
.....Auuggggagggguuauccac.....	2	1	s60
.....uuuggggagggguuauccaca.....	1	0	s60
.....Auuggggagggguuauccaca.....	35	1	s60
.....Auuggggagggguuauccacac.....	1	1	s60
.....Auuggggagggguuauccacacu.....	4	1	s60
.....Auuggggagggguuauccacacuu.....	6	1	s60
.....Auuggggagggguuauccacacuua.....	13	1	s60

Mature

Star

uacuuauugagguccggauuuggggagggguuauccacacuuuaauucuguugauucucccccccucccgacacauugaccucaucuuuuacucucucuguuuuuauaua			
.Auggggagggguuauccac.....	57	1	s60
.uGggggagggguuauccaca.....	1	1	s60
.uuggggagggguuauccaca.....	3	0	s60
.Auggggagggguuauccaca.....	4556	1	s60
.Auggggagggguuauccacac.....	19	1	s60
.Auggggagggguuauccacacu.....	92	1	s60
.uuggggagggguuauccacacuu.....	1	0	s60
.Auggggagggguuauccacacuu.....	13	1	s60
.Auggggagggguuauccacacuuu.....	11	1	s60
.Auggggagggguuauccacacuuua.....	3	1	s60
.Auggggagggguuauccacacuuaaa.....	1	1	s60
.Auggggagggguuauccacacuuaaaauucug.....	1	1	s60
.Cggggagggguuauccaca.....	2	1	s60
.uggggagggguuauccaca.....	260	0	s60
.uggggagggguuauccacC.....	3	1	s60
.uggggagggguuauccCca.....	1	1	s60
.uggggagggguuauccaca.....	1	1	s60
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.uggggCggguuauccaca.....	7	1	s60
.uggggagggguCauccaca.....	1	1	s60
.uggggagggguCuaucaca.....	1	1	s60
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.Aggggagggguuauccacac.....	14	1	s60
.Aggggagggguuauccacacu.....	17	1	s60
.uggggagggguuauccacacu.....	5	0	s60
.Aggggagggguuauccacacuu.....	5	1	s60
.uggggagggguuauccacacuu.....	1	0	s60
.Aggggagggguuauccacacuuu.....	17	1	s60
.uggggagggguuauccacacuuu.....	3	0	s60
.Aggggagggguuauccacacuuua.....	2	1	s60
.Aggggagggguuauccacacuuaaa.....	2	1	s60
.ggggagggguuauccacaU.....	1	1	s60
.ggggagggguuauccacac.....	2	0	s60
.ggggagggguuauccacacu.....	2	0	s60
.ggggagggguuauccacacuuu.....	1	0	s60
.gggagggguuauccacacuuaaa.....	1	0	s60
.ggagggguuauccacacuuu.....	2	0	s60
.aggguuauccacacuuua.....	1	0	s60
.auccacacuuaaaauucug.....	1	0	s60
.Aucucccccuccccgcacauugaccuca.....	1	1	s60
.Acucccccuccccgcacauugaccucau.....	2	1	s60
.Aucccccuccccgcacauugaccuca.....	1	1	s60
.Aucccccuccccgcacauugaccucau.....	1	1	s60
.ucccccuccccgcacauugacc.....	1	0	s60
.Acccccuccccgcacauugaccucauc.....	2	1	s60
.Acccccuccccgcacauugaccucauc.....	2	1	s60
.Acccccuccccgcacauugacc.....	2	1	s60
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.ccccccuccccgcacauugaccuca.....	1	0	s60
.Acccccuccccgcacauugaccuca.....	4	1	s60
.Acccccuccccgcacauugaccucau.....	3	1	s60
.Acccccuccccgcacauugaccucauc.....	3	1	s60
.Acccccuccccgcacauugacc.....	15	1	s60
.Acccccuccccgcacauugaccucauc.....	2	1	s60
.ccccccuccccgcacauugaccucauA.....	2	1	s60
.ccccccccUcacaugacc.....	1	1	s60
.Acccuccccgcacauugaccucau.....	1	1	s60
.Acuccccgcacauugaccucauc.....	1	1	s60
.Auccccgcacauugaccuca.....	1	1	s60
.Accccgcacauugaccucau.....	1	1	s60
.Accccgcacauugaccucau.....	2	1	s60
.Accgcacauugaccucau.....	1	1	s60
.Acacauugaccucaucuu.....	1	1	s60
.Acacauugaccucaucuuu.....	1	1	s60