



## Mature

	-3'	obs	
		exp	
5' - cagauuuucugugugugugu <u>ucaacaacaa</u> ua <u>auccuaacacu</u> uu <u>aagugu</u> ua <u>aagau</u> uu <u>uuguugacuac</u> acagcaccacaggccuucaugucaaacagua <u>aaucagcguguacug</u> cagauuuucugugugugugu <u>caacaaca</u> ua <u>aauccuaacacu</u> uu <u>aagugu</u> ua <u>aagau</u> uu <u>uuguugacuac</u> acagcacacaggccuucaugucaaacagua <u>aaucagcguguacug</u> ..((.(((( ((((((( (((((.....((( (((((((((.((( ((((.))) ))))).) )))))))))))...))) ))) )))))))....(((( (. (...).) ))) ) .....	reads	mm	sample
. . . . . ucaacaacaaua <u>aauccuaaca</u> . . . . .	1	0	s08
. . . . . ucaacaacaaua <u>aauccaacac</u> . . . . .	16	0	s08
. . . . . ucaacaacaaua <u>aauccuaacaU</u> . . . . .	1	1	s08
. . . . . ucaacaacaaua <u>aauccaacacC</u> . . . . .	4	1	s08
. . . . . ucaacaacaaua <u>aauccaacacA</u> . . . . .	6	1	s08
. . . . . ucaacaacaaua <u>aauccaacacu</u> . . . . .	10	0	s08
. . . . . caacaacaaua <u>auccGaacacu</u> . . . . .	1	1	s08
. . . . . caacaacaaua <u>aauccaacacu</u> . . . . .	1	0	s08
. . . . . aacaacaaua <u>aauccaacac</u> . . . . .	1	0	s08
. . . . . aacaacaaua <u>aauccaacacA</u> . . . . .	1	1	s08
. . . . . uaagGguuaagauuu <u>uuguuga</u> . . . . .	1	1	s08
. . . . . guuaagauuu <u>uuguugacuac</u> . . . . .	1	0	s08
. . . . . guuaagauuu <u>uuguugacuAU</u> . . . . .	1	1	s08
. . . . . guuaagauuu <u>uuguugacuaca</u> . . . . .	1	0	s08
. . . . . uuagaauuu <u>uuguugacuac</u> . . . . .	1	0	s08
. . . . . uuagaauuu <u>uuguugacuAU</u> . . . . .	3	1	s08
. . . . . uuagaauuu <u>uuguugacuaca</u> . . . . .	3	0	s08
. . . . . uuagaauuu <u>uuguugacuAU</u> . . . . .	2	1	s08
. . . . . ugugucaacaacaaua <u>aauccuC</u> . . . . .	3	1	s07
. . . . . ucaacaacaaua <u>aauccaac</u> . . . . .	3	0	s07
. . . . . ucaacaacaaua <u>aauccaaca</u> . . . . .	1	0	s07
. . . . . ucaacaacaaua <u>aauccaacU</u> . . . . .	1	1	s07
. . . . . ucaacaacaaua <u>aauccaacac</u> . . . . .	14	0	s07
. . . . . ucaacaacaaua <u>aucUaacac</u> . . . . .	1	1	s07
. . . . . ucaacaacaaua <u>aauccaacaU</u> . . . . .	1	1	s07
. . . . . ucaacaacaaua <u>aauccaacacA</u> . . . . .	7	1	s07
. . . . . ucaacaacaaua <u>aauccaacacu</u> . . . . .	16	0	s07
. . . . . ucaacaacaaua <u>aauccaacGcu</u> . . . . .	5	1	s07
. . . . . caacaacaaua <u>aauccaacac</u> . . . . .	1	0	s07
. . . . . caacaacaaua <u>aauccaacA</u> . . . . .	1	1	s07
. . . . . caacaacaaua <u>aauccaacacu</u> . . . . .	5	0	s07
. . . . . caacaacaaua <u>aauccaacacuu</u> . . . . .	1	0	s07

## Star

## Mature

cagauuucuguguguugug	ucaacaacaauaauccuaacacuuuaaguguuuagauuuuuguugacuacacagcacacaggcuucaugucaaaacaguaauccagcguguacug			
.....aacaacaauaauccuaacacA.....		1	1	s07
.....aacaacaauaauccuaacacu.....		1	0	s07
.....ucaacaacaauaauccua.....		2	0	s09
.....ucaacaacaauaauccuaacac.....		7	0	s09
.....ucaacaacaauaauccuaacaU.....		3	1	s09
.....ucaacaacaauaauccuaacacu.....		7	0	s09
.....ucaacaacaauaauccuaacacA.....		3	1	s09
.....caacaacaauaauccuaacacC.....		1	1	s09
.....caacaacaauaauccuaacacuu.....		3	0	s09
.....caacaacaauaauccuaacacAu.....		1	1	s09
.....uuagauuuuuguugacu.....		1	0	s09
.....ucaacaacaauaauccuaacaU.....		1	1	s03
.....ucaacaacaauaauccuaacac.....		2	0	s03
.....ucaacaacaauaauccuaacacA.....		10	1	s03
.....ucaacaacaauaauccuaacacu.....		8	0	s03
.....ucaacaGcaauaauccuaacacu.....		1	1	s03
.....aacaacaauaauccuaaca.....		1	0	s03
.....aacaacaauaauccuaacacuu.....		1	0	s03
cagauuucuguguguugug.....		1	0	s06
.agauuucuguguguugug.....		1	0	s06
.....ucaacaacaauaauccuaac.....		2	0	s06
.....ucaacaacaauaauccuaacaA.....		1	1	s06
.....ucaacaacaauaauccuaacaU.....		1	1	s06
.....ucaacaacaauaauccuaacac.....		6	0	s06
.....ucaacaacaauaauccuaacacAu.....		1	1	s06
.....ucaacaacaauaauccuCaacacu.....		1	1	s06
.....ucaacaacaauaauccuaacacG.....		1	1	s06
.....ucaacaacaauaauccuaacacA.....		2	1	s06
.....ucaacaacGauaauccuaacacu.....		1	1	s06
.....ucaacaacaauaauccuaacacu.....		5	0	s06
.....uguuaagauuuuuguugacu.....		1	0	s06
.....uuagauuuuuguugacu.....		2	0	s06
.....uuagauuuuuguugacuua.....		1	0	s06
.....uuagauuuuuguugacuac.....		9	0	s06
.....ucaacaacaauaauccuaacacu.....		2	1	s06
.....uuagauuuuuguugacuuaU.....		27	1	s06
.....uuagauuuuuguugacuacaca.....		12	0	s06
.....uuagauuuuuguugacuacU.....		2	1	s06
.....uuagauuuuuguugacuacC.....		2	1	s06
.....uuagauuuuuguugacuacaca.....		1	0	s06
.....ucaacaacaauaauccuaacacA.....		1	1	s15
.....caacaacaauaauccuaacacAu.....		1	1	s15
.....ucaacaacaauaauccuaacac.....		2	0	s16
.....ucaacaacaauaauccuaacacA.....		1	1	s16
.....ucaacaacaauaauccuaacacu.....		3	0	s16
.....caGcaacaauaauccuaacacuu.....		1	1	s16
.....guuaagauuuuuguugacuaca.....		2	0	s16
.....uuagauuuuuguugacu.....		1	0	s16
.....uuagauuuuuguugacuac.....		3	0	s16
.....uuagauuuuuguugacuuaU.....		6	1	s16
.....ucaacaacaauaauccuaacacu.....		5	0	s14
.....guuaagauuuuuguugacuaca.....		6	0	s14
.....uuagauuuuuguugacuuaA.....		3	1	s14
.....uuagauuuuuguugacuuaU.....		11	1	s14
.....uuagauuuuuguugGcuac.....		1	1	s14
.....uuagauuuuuguugacuaca.....		12	0	s14
.....uaagauuuuuguugacuac.....		1	0	s14
.....uaagauuuuuguugacuuaU.....		2	1	s14
.....ucaacaacaauaauccuaaca.....		1	0	s19
.....ucaacaacaauaauccuaacac.....		11	0	s19
.....ucaacaacaauaauccuaacacu.....		11	0	s19
.....ucaacaacaauaauccuaacacC.....		3	1	s19
.....ucaacaacaauaauccuaacacA.....		3	1	s19

## Star

## Mature

cagauuucuguguguugug	ucaacaacaauaauccuaacacuuuaaguguuuagauuuuuguugacuacacagcacacaggccuucaugucaaaacaguaauccagcguguacug			
.....	caacaacaauaauccuaacacu.....	3	0	s19
.....	aacaacaauaauccuaaca.....	2	0	s19
.....	aacaacaauaauccuaacacu.....	3	0	s19
.....	aacaacaauaauccuaacacA.....	1	1	s19
.....	uguuaagauuuuuguuga.....	1	0	s19
.....	uguuaagauuuuuguugacu.....	5	0	s19
.....	uguuaagauuuuuguugacC.....	2	1	s19
.....	guuaagauuuuuguugacuaca.....	2	0	s19
.....	uuagauuuuuguugacuG.....	1	1	s19
.....	uuagauuuuuguugacuac.....	2	0	s19
.....	uuagauuuuuguugacuau.....	6	1	s19
.....	uuagauuuuuguugacuaca.....	3	0	s19
.....	uuagauuuuuguugacuau.....	1	1	s19
.....	ucaacaacaauaauccuaaca.....	1	0	s13
.....	ucaacaacaauaauccuaacac.....	4	0	s13
.....	ucaacaacaauaauccuaacaU.....	1	1	s13
.....	ucaacaacaauaauccuaacacA.....	7	1	s13
.....	ucaacaacaauaauccuaacacu.....	6	0	s13
.....	ucaacaacaauaauccuaacacuu.....	1	0	s13
.....	caacaacaauaauccuaacacu.....	1	0	s13
.....	aacaacaauaauccuaacacu.....	6	0	s13
.....	guuaGgauuuuuguugacu.....	8	1	s13
.....	uuagauuuuuguugacuac.....	1	1	s13
.....	agauuucuguguguugug.....	2	0	s12
.....	ucaacaacaauaauccuaac.....	1	0	s12
.....	ucaacaacaauaauccuaaca.....	1	0	s12
.....	ucaacaacaacCaaauccuaacac.....	1	1	s12
.....	ucUacaacaauaauccuaacac.....	1	1	s12
.....	ucaacaacaauaauccuaacaU.....	3	1	s12
.....	ucaacaacaauaauccuaacac.....	25	0	s12
.....	ucaacaacaauaauccuaaUacu.....	1	1	s12
.....	ucaacaacaauaauccuaacacA.....	10	1	s12
.....	ucaacaacaauaauccuaacacG.....	1	1	s12
.....	ucaacaacaauaauccuaacacu.....	1	1	s12
.....	ucaacaacaauaauccuaacacu.....	1	1	s12
.....	ucaacaacaauaauccuaacacC.....	14	1	s12
.....	ucaacaacaauaauccuaacacu.....	42	0	s12
.....	ucaacaacGauaauccuaacacu.....	1	1	s12
.....	ucaacaGcaauaauccuaacacu.....	1	1	s12
.....	ucaacaGaaauaauccuaacacu.....	1	1	s12
.....	ucaacaacaGuaauccuaacacu.....	1	1	s12
.....	ucaacaacaauaauccuaacacu.....	1	1	s12
.....	ucaacaacUaaauaauccuaacacu.....	2	1	s12
.....	ucaacaacaauaauccuaacacAu.....	1	1	s12
.....	ucaacaacaauaauccuaacacuu.....	1	0	s12
.....	ucaacaacaauaauccuaacacAu.....	1	1	s12
.....	ucaacaacaauaauccuaacGcuuu.....	1	1	s12
.....	caacaacaauaGuccuaacacu.....	1	1	s12
.....	caacaacaauaauccuaacacu.....	8	0	s12
.....	caacaacaauaauccuaacGcu.....	1	1	s12
.....	caacaacaauaauccuaacacC.....	2	1	s12
.....	caacaacaauaauccuaacacA.....	1	1	s12
.....	caacaacaauaauccuaacacG.....	1	1	s12
.....	cGacaacaauaauccuaacacu.....	2	1	s12
.....	aacaacaauaauccuaacaU.....	2	1	s12
.....	aacaacaauaauccuaacacu.....	8	0	s12
.....	aacaacGauaauccuaacacu.....	1	1	s12
.....	aacaacaauaauccuaacacA.....	1	1	s12
.....	aacaacaauaauccuaacacC.....	2	1	s12
.....	aacaacaauaauccuaacacuu.....	1	0	s12
.....	guuaagauuuuuguugacu.....	4	0	s12
.....	guuaGgauuuuuguugacu.....	5	1	s12
.....	guuaagauuuuuguugacu.....	1	0	s12
.....	guuaagauuuuuguugacuaca.....	1	0	s12
.....	guuaagauuuuuguugacuacU.....	1	1	s12
.....	cuagauuuuuguugacu.....	1	1	s12
.....	uuagauuuuuguugacu.....	8	0	s12
.....	uuagauuuuuguugacu.....	1	1	s12

Star                      Mature

Star                      Mature

cagauuucugugugugug	ucaacaacaauaauccuacacuuu	aaaguguuaagauuuuuugugacuac	cagcacacaggcuucauguc	aaacaguuauucagcugugacu	g
.....	.....	.....uuaagauuuuuugugacuC.....	2	1	s12
.....	.....	.....uuaagauuuuuugugacuG.....	1	1	s12
.....	.....	.....uuaagauuuuuugugacuU.....	1	1	s12
.....	.....	.....uuaagauuuuuugugacua.....	7	0	s12
.....	.....	.....uuaGgauuuuuugugacuac.....	2	1	s12
.....	.....	.....uuaagauuuuuugugacuaU.....	89	1	s12
.....	.....	.....uuaagauuuuuugugacuac.....	22	0	s12
.....	.....	.....uuaagauuuuuugugacuAA.....	5	1	s12
.....	.....	.....uuaagauuuuuugugacuaG.....	3	1	s12
.....	.....	.....uuaagauuuuuugugacuaca.....	44	0	s12
.....	.....	.....uuaagauuuuuuguUacuaca.....	1	1	s12
.....	.....	.....uuaagauuuuuugugacuacU.....	7	1	s12
.....	.....	.....uuaagauuuuuugugacuacC.....	5	1	s12
.....	.....	.....uagauuuuuugugacuU.....	1	1	s12
.....	.....	.....cagcacacaggcuucaugu.....	1	0	s12
.....	.....	.....cagcacacaggcuucauguA.....	2	1	s12
.....	.....	.....ucaacaacaauaauccuaacac.....	1	0	s17
.....	.....	.....ucaacaacaauaauccuaacacA.....	1	1	s17
.....	.....	.....ucaacaacaauaauccuaacacC.....	1	1	s17
.....	.....	.....caacaacaauaauccuaacacA.....	1	1	s17
.....	.....	.....caacaacGauaauccuaacacuuu.....	2	1	s17
.....	.....	.....ucaacaacaauaauccuaacac.....	2	0	s01
.....	.....	.....ucaacaacaauaauccuaacacA.....	1	1	s01
.....	.....	.....ucaacaacaauaauccuaacacuu.....	1	0	s01
.....	.....	.....aacaacaauaauccuaaca.....	2	0	s01
.....	.....	.....uaagGguuaagauuuuuuguuga.....	1	1	s01
.....	.....	.....agGguuaagauuuuuuguuga.....	4	1	s01
.....	.....	.....uuaagaCuuuuugugacuaca.....	1	1	s01
.....	.....	.....ucaacaacaauaauccuaac.....	4	0	s10
.....	.....	.....ucaacCacaauaauccuaacac.....	1	1	s10
.....	.....	.....ucaacaacaauaauccuaacacA.....	1	1	s10
.....	.....	.....ucaacaacaauaauccuaacac.....	28	0	s10
.....	.....	.....ucaGcaacaauaauccuaacac.....	1	1	s10
.....	.....	.....ucaacaacaauaauccuaacGc.....	1	1	s10
.....	.....	.....ucaacaacaauaauccuaacacU.....	3	1	s10
.....	.....	.....ucaacaacaauaauccuaacacC.....	10	1	s10
.....	.....	.....ucaacaacaauaauccuaacacG.....	1	1	s10
.....	.....	.....ucaacaacaauaauccuaacacA.....	9	1	s10
.....	.....	.....ucaacaacaauaauccuaacacu.....	29	0	s10
.....	.....	.....ucaacaacaauaauccuaacacuA.....	1	1	s10
.....	.....	.....ucaacaacaauaauccuaacacuAu.....	2	1	s10
.....	.....	.....ucaacaacaauaauccuaacacuC.....	2	1	s10
.....	.....	.....caacaacaauaauccuaU.....	1	1	s10
.....	.....	.....caacaacaauaauccuaacU.....	2	1	s10
.....	.....	.....caacaacaauaauccuaacac.....	3	0	s10
.....	.....	.....caacaacaauaauccuaaUacu.....	1	1	s10
.....	.....	.....caacaacaauaauccuaacacA.....	1	1	s10
.....	.....	.....caacaacaauaauccuaacacu.....	2	0	s10
.....	.....	.....caacaacaauaauccuaacacC.....	1	1	s10
.....	.....	.....caacaacaauaauccuaacacuu.....	1	0	s10
.....	.....	.....caacaacaauaauccuaacacuuu.....	1	0	s10
.....	.....	.....aacaacaauaauccuaacacu.....	2	0	s10
.....	.....	.....aacaacaauaauccuaacacuu.....	1	0	s10
.....	.....	.....guuaagauuuuuugugacuU.....	1	1	s10
.....	.....	.....uuaagauuaCugugacu.....	1	1	s10
.....	.....	.....uuaagauuuuuugugacuU.....	3	1	s10
.....	.....	.....uuaagauuuuuugugacuac.....	2	0	s10
.....	.....	.....uuaagauuuuuugugacuaca.....	3	0	s10
.....	.....	.....agauuucugugugAugug.....	1	1	s02
.....	.....	.....gucaacaacaauaauccuaac.....	2	0	s02
.....	.....	.....ucaacaacaauaauccuaaU.....	1	1	s02
.....	.....	.....ucaacaacaauUGauccuaac.....	1	1	s02
.....	.....	.....ucaacaacaauaauccuaac.....	11	0	s02
.....	.....	.....ucaacaacaauaauccuaaca.....	3	0	s02
.....	.....	.....Gcaacaacaauaauccuaacac.....	1	1	s02
.....	.....	.....ucaacaacaauaauccuaacU.....	13	1	s02

## Star

## Mature

cagauuucugugugugug	ucaacaacaauaauccuaacacuuuaaguguuuagauuuuugugacuacacagcacacaggcuucaugucaaaacaguaaucagcgugacu			
.....ucaacaacaauaauccuaacac.....	32	0	s02	
.....Ccaacaacaauaauccuaacac.....	1	1	s02	
.....ucaCcaacaauaauccuaacacu.....	1	1	s02	
.....ucaacaacaauaauccuacacacu.....	1	1	s02	
.....ucaacaacaauaauccuaacacG.....	2	1	s02	
.....ucaacaacaCuaauccuaacacu.....	2	1	s02	
.....ucaacaacaauaauccuaacacu.....	55	0	s02	
.....ucaacaacaauaauccuaacacC.....	9	1	s02	
.....ucaacaacaauaauccuaacacA.....	38	1	s02	
.....ucaacaacaauaauccuaacacuu.....	2	0	s02	
.....ucaacaacaauaauccuaacacAu.....	1	1	s02	
.....ucaGcaacaauaauccuaacacuuu.....	1	1	s02	
.....ucaacaacaauaauccuaacacAu.....	2	1	s02	
.....caacaacaauaauccuaacac.....	1	0	s02	
.....caacaacaauaauccuaacacu.....	8	0	s02	
.....caacaacaauaauccuaacacA.....	4	1	s02	
.....caacaacaauaauccuaacacAu.....	1	1	s02	
.....aacaacaauaauccuaaca.....	3	0	s02	
.....aacaacaauaauccuaacacu.....	7	0	s02	
.....aacaacaauaauccuaacacA.....	3	1	s02	
.....aacaacaauaauccuaacacC.....	1	1	s02	
.....acaacaauaauccuaacacAu.....	1	1	s02	
.....guuaGgauuuuugugacu.....	3	1	s02	
.....uuaGgauuuuugugacu.....	3	1	s02	
.....uuaGgauuuuugugacua.....	1	1	s02	
.....uuaGgauuuuugugacuac.....	4	1	s02	
.....uuaGgauuuuugugacuaca.....	26	1	s02	
.....ucaacaacaauaauccuaac.....	1	0	s11	
.....ucaacaacaauaauccuaacac.....	2	0	s11	
.....ucaacaacaauaauccuaacacA.....	2	1	s11	
.....ucaacaacaauaauccuaacacG.....	1	1	s11	
.....ucaacaacaauaauccuaac.....	1	0	s05	
.....ucaacaacaauaauccuaacac.....	9	0	s05	
.....ucaacaacaauaauccuaacaU.....	1	1	s05	
.....ucaacaacaauaauccuaacacC.....	2	1	s05	
.....ucaacaacaauaauccuaacacu.....	17	0	s05	
.....ucaacaacaauaauccuaacacA.....	1	1	s05	
.....uguuuagauuuuugugacu.....	1	0	s05	
.....uuuagauuuuugugacuac.....	2	0	s05	
.....uuuagauuuuugugacuacG.....	1	1	s05	
.....uuuagauuuuugugacuac.....	1	1	s05	
.....uuuagauuuuugugacuacU.....	3	1	s05	
.....uuuagauuuuugugacuaca.....	1	0	s05	
.....ucaacaacaauaauccuaacaU.....	1	1	s18	
.....ucaacaacaauaauccuaacac.....	3	0	s18	
.....ucaacaacaauaauccuaacacA.....	3	1	s18	
.....ucaacaCcaauaauccuaacacu.....	1	1	s18	
.....ucaacaGcaauaauccuaacacu.....	1	1	s18	
.....aacaacaCuaauccuaacacu.....	1	1	s18	