



## Mature

5'	gaaaauugugcugaaauccuaaucaacuucuccauuucaaac	uggcuaagaacaugucuucauuuaauugggguacauguuccuguaagaacuuugaaaauggaggagaguuaaa	-3'	obs	
	gaaaauugugcugaaauccuaaucaacuucuccauuucaac	uggcuaagaacaugucuucauuuaauugggguacauguuccuguaagaacuuugaaaauggaggagaguuaaa		exp	
	.....((((((((((((((((((..((((((((((((..)))))).)))))).)))))).))))).))))).))))).))))..		reads	mm	sample
	.....aucaacuucuccauuucaac.....		2	0	s02
	.....caacuucuccauuucaau.....		1	1	s02
	.....acuggcuacaagaacaugucc.....		1	0	s02
	.....uggcuacaagaacaugCc.....		1	1	s02
	.....uggcuacaagaacauguc.....		15	0	s02
	.....uggcuacaagaacauguA.....		10	1	s02
	.....uggcuacaagaacauguU.....		3	1	s02
	.....Cggcuacaagaacaugucc.....		1	1	s02
	.....uggcuAAagaacaugucc.....		1	1	s02
	.....uggcuacaagaacaugucc.....		77	0	s02
	.....uggcuacaagaacaugucU.....		50	1	s02
	.....uggcuacaGgaacaugucc.....		2	1	s02
	.....uggcuacaagaacauguUc.....		3	1	s02
	.....uggUuacaagaacaugucc.....		1	1	s02
	.....uggcuacGagaacaugucc.....		2	1	s02
	.....uggcuacaagaGcaugucc.....		2	1	s02
	.....uggcuacCagaacaugucc.....		1	1	s02
	.....uggcuacaagaacaugAcc.....		1	1	s02
	.....uggcuacaagaacaugucA.....		8	1	s02
	.....uggcuacaagaacauguccu.....		26	0	s02
	.....uggcuacaagaacauguccA.....		20	1	s02
	.....uggcuacaagaacauguccC.....		5	1	s02
	.....uggcuacaagaacCuguccu.....		2	1	s02
	.....uggcuacaagaacauAuccu.....		1	1	s02
	.....uggcuacaagaacauguccuG.....		1	1	s02
	.....ugAcuacaagaacauguccuu.....		1	1	s02
	.....uggcuacaagaacauguccuu.....		16	0	s02
	.....uggcuacaagaacauguccuC.....		1	1	s02
	.....uggcuacaagaacauguccAuc.....		1	1	s02
	.....uggcuacaagCacauguccuuc.....		1	1	s02
	.....uggcuacaagaacauguccuuc.....		68	0	s02
	.....uggcuacaagaacauguccuuA.....		1	1	s02
	.....uggcuacaagGacauguccuuc.....		1	1	s02

## Star

## Mature

gaaaauugugcugaaauccuaucacuuccauuuucaacuggcuacaagaacauguccuucauuuaaugggguacauguuccuguaagaaacuugaaaauuggaggagagaaaa			
.....uggcuacaGgaacauguccuuc.....	2	1	s02
.....uggcuacaagaacauguccuuU.....	13	1	s02
.....uggcuacaagaacauguccuCc.....	1	1	s02
.....uggcuacAaagaacauguccuuc.....	1	1	s02
.....uggcuacaagaacaugGccuuc.....	1	1	s02
.....uggcuacaagaacauguccuuc.....	43	0	s02
.....uggcuacaagaacauguccuuGa.....	3	1	s02
.....uggcuacGagaacauguccuuc.....	1	1	s02
.....uggcuacaagaacauguccuuUa.....	1	1	s02
.....uAGcuacaagaacauguccuuc.....	1	1	s02
.....uggcuacaagaacauguccuuU.....	9	1	s02
.....uggUuacaagaacauguccuuc.....	1	1	s02
.....uggcuacaagaacGuguccuuc.....	1	1	s02
.....uggcuacaagaacauguccuucau.....	17	0	s02
.....uggcuacaagaacauguccuucC.....	1	1	s02
.....uggcuacaagaacauguccuucauA.....	2	1	s02
.....uggcuacGagaacauguccuucuu.....	1	1	s02
.....uggcuacaagaacauguccuucuu.....	5	0	s02
.....uggcCacaagaacauguccuucuu.....	2	1	s02
.....uggcuacaagaacauguccuucGu.....	1	1	s02
.....uggcuacaGgaacauguccuucuu.....	1	1	s02
.....ggcuacaagaacauguccuu.....	2	0	s02
.....gcuacaagaacauguccuucGuu.....	1	1	s02
.....gcuacaagaacauguccuucuu.....	1	0	s02
.....uuuaaugggguacauguuccuguaagaaacu.....	1	0	s02
.....ggguacauguuccuguaaga.....	1	0	s02
.....ggguacauguuccuguaagaa.....	2	0	s02
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.....ggguacauguuccuguaagaac.....	2	0	s02
.....ggguacauguuccuguaagaaGcu.....	2	1	s02
.....ggguacauguuccGguagaacuu.....	2	1	s02
.....ggguacauguuccuguaagaaaUu.....	2	1	s02
.....ggguacauguuccuguaagaaacG.....	4	1	s02
.....ggguacaAguuccuguaagaaacu.....	1	1	s02
.....ggguacauguucAuguaagaaacu.....	2	1	s02
.....ggAuacauguuccuguaagaaacu.....	1	1	s02
.....ggguacaugCuccuguaagaaacu.....	2	1	s02
.....ggguacGuguuccuguaagaaacu.....	3	1	s02
.....ggguacauguuccuguaagaGacu.....	2	1	s02
.....ggguacauguuccuguaagaaacA.....	18	1	s02
.....ggguacaGguuccuguaagaaacu.....	1	1	s02
.....ggguacauguuccugGagaacuu.....	1	1	s02
.....ggguGcauguuccuguaagaaacu.....	1	1	s02
.....ggguacauguuccuguaagaaaGu.....	1	1	s02
.....ggguacauguuccuguaagaaaAu.....	1	1	s02
.....ggguacauguuccuguaagaaacC.....	59	1	s02
.....ggguacauguCcuguaagaaacu.....	2	1	s02
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.....ggguacauguuccuguaagaaacu.....	289	0	s02
.....ggguacauguuccCguagaacuu.....	1	1	s02
.....ggguacauguuccuguaagaaacu.....	2	0	s02
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.....uggcuacaagaacaGguc.....	1	1	s11
.....uggcuacaagaacauguccuuU.....	1	1	s11
.....uggcuacaagaacauguccuuc.....	2	0	s11
.....uggcuacaagaacauguccuucuu.....	2	0	s11
.....ggguacauguuccuguaagaaacu.....	6	0	s11
.....ggguacauguuccuguaagaaacC.....	2	1	s11
.....ccuaucaacuuccuuccauuuuc.....	1	0	s05
.....uggcuacaagaacaugucc.....	2	0	s05
.....uggcuacaagaacaugucU.....	1	1	s05
.....uggcuacaagaacauguccu.....	3	0	s05
.....uggcuacaGgaacauguccuu.....	3	1	s05
.....uggcuacaagaacauguccuu.....	4	0	s05
.....uggcuacaagaacauguccuuc.....	11	0	s05
.....uggcuacaagaacauguccuuU.....	3	1	s05
.....uggcuacaagaacauguccuuU.....	2	1	s05

## Star

## Mature

gaaaauugugcugaaauccuaucacuuuccauuucaacuggcuacaagaacauguccuucauuuaauuggguacauguuccuguaagaaacuugaaaauaggaggagagaaaa

.....uggcuacaagaacauguccuucG.....	3	1	s05
.....uggcuacaagaacauguccuucA.....	17	0	s05
.....uggcuacaagaacauguccuAcau.....	1	1	s05
.....uggcuacaagaacauguccuucuu.....	3	0	s05
.....uggcuacaagaacuguaAuuu.....	1	1	s05
.....uggcuacaagaacauguccAuuu.....	1	1	s05
.....uggcuacaagaacauguccuucuuA.....	1	1	s05
.....uggcuacaagaacauguccuucuuuC.....	2	1	s05
.....uuuaauuggguacauguuccuguaagaaacu.....	1	0	s05
.....ggguacauguuccuguaagaaacu.....	1	1	s05
.....ggguacauguuccuguaagaaacA.....	3	1	s05
.....ggguacauguuccuguaagaaacu.....	1	1	s05
.....ggguacauguuccuguaagaaacC.....	4	1	s05
.....ggguacauguuccuguaagaaacu.....	69	0	s05
.....ggguacauguuccuguaagaaacu.....	1	1	s05
.....ggguacauguuccuguaagaaauuu.....	1	1	s05
.....acuggcuacaagaacauguccuuU.....	4	1	s18
.....cuggcuacaagaacauguccuucA.....	2	0	s18
.....uggcuacaagaacauguccuucC.....	1	1	s18
.....uggcuacaagaacauguccuuU.....	2	1	s18
.....uggcuacaagaacauguccuuc.....	1	0	s18
.....uggcuacaagaacauguccuucA.....	3	0	s18
.....uggcuacaagaacauguccuucuu.....	1	0	s18
.....ggguacauguuccuguaagaaacu.....	8	0	s18
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.....uggcuacaagaacaugucU.....	1	1	s14
.....uggcuacaagaacaugucc.....	3	0	s14
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.....uggcuacaagaacauguccuucA.....	1	1	s14
.....uuuaauuggguacauguuccuguaagaaacC.....	1	1	s14
.....ggguacauguuccuguaagaaacu.....	1	1	s14
.....ggguacauguuccuguaagaaacC.....	1	1	s14
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.....uggcuacaagaacaugucU.....	7	1	s19
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.....uggcuacaagaacauguccuu.....	2	0	s19
.....uggcuacaagaacauguccuuU.....	3	1	s19
.....Gggcuacaagaacauguccuuc.....	1	1	s19
.....uggcuacaagaacauguccuuc.....	13	0	s19
.....uggcCacaagaacauguccuucA.....	1	1	s19
.....uggcuacaagaacauguccuucU.....	1	1	s19
.....uggcuacaagaacauguccuucA.....	6	0	s19
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.....uggcuacaagaacauguccuucuuA.....	4	1	s19
.....uggcuacaagaacauguccuucuuC.....	3	1	s19
.....uuuaauuggguacauguuccuguaagaaacC.....	1	0	s19
.....ggguacauguuccuguaagaaacC.....	1	0	s19
.....ggguacauguuccuguaagaaacC.....	1	0	s19
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.....ggguacauguuccuguaagaaacu.....	1	1	s19
.....ggguacauguuccuguaagaaacu.....	12	0	s19
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.....uggcuacaagaacauguc.....	15	0	s13
.....uggcuacaagaacauguaA.....	1	1	s13
.....uggcuacaagaacauguuU.....	9	1	s13
.....uggcuacaagaacaugucA.....	4	1	s13
.....uggcuacaagaacaugucU.....	1	1	s13
.....uggcuacaagaacaugucG.....	1	1	s13
.....uggcuacaagaacaugucc.....	13	0	s13
.....uggcuacaagaacauguccu.....	4	0	s13

## Star

## Mature

gaaaauugugcugaaaucuccuaucacuuccauuucaacuggcuacaagaacauguccuucauuuauuggguacauguuccuguaagaaacuugaaaauaggagagagaaaa			
.....uggcuacaagaacauguccC.....	1	1	s13
.....uggcuacaagaacauguccA.....	3	1	s13
.....uggcuacaagaacauguccuu.....	9	0	s13
.....uggcuacaagaacauguccuC.....	1	1	s13
.....uggcuacaagaacauguUcuu.....	1	1	s13
.....uggcuacaagaacauguccuuc.....	5	0	s13
.....Cggcuacaagaacauguccuuc.....	1	1	s13
.....uggcuacaagaacauguccuucU.....	1	1	s13
.....uggcuacaagaacauguccuuc.....	5	0	s13
.....uggcuacaagaacauguccuucuu.....	8	0	s13
.....uggcuacaagaacauguccuucuu.....	7	0	s13
.....uggUuacaagaacauguccuucuu.....	2	1	s13
.....uggcuacaagaacauguccuucuuA.....	1	1	s13
.....uggcuacaagaacauguccuucGu.....	1	1	s13
.....uggcuacaagaacauguccuucuuu.....	2	0	s13
.....uggcuacaagaacauguccuucuuuuuug.....	1	0	s13
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.....gcuacaagaacauguccuu.....	1	0	s13
.....ggguacaugCuccuguaagaaacu.....	1	1	s13
.....ggguacauguuccuguaagaaacC.....	3	1	s13
.....ggguacauguuccuguaagaaacA.....	4	1	s13
.....ggguacauguuccuguaagaaacu.....	23	0	s13
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.....uggcuacaagaacauguc.....	3	0	s12
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.....uggcuacaagaacaugucA.....	2	1	s12
.....uAguacaagaacaugucc.....	1	1	s12
.....uggcuacaagaacaugucc.....	16	0	s12
.....uggcuacaagaacauguccU.....	9	1	s12
.....uggcuacaagaacauguccC.....	1	1	s12
.....uggcuacaagaacauguccu.....	2	0	s12
.....uggcuacaagaacauguccuu.....	6	0	s12
.....uggcuacaagaacauguccGu.....	2	1	s12
.....uggcuacaagaacauguccCu.....	1	1	s12
.....uggcuacaagaacauguccuA.....	3	1	s12
.....uggcuacaagaacauguccuC.....	2	1	s12
.....uggcuacaGgaacauguccuu.....	1	1	s12
.....uggcuacaagaacauguccuuU.....	2	1	s12
.....uggcuacaagaacauguccuuA.....	2	1	s12
.....uggcuacaagaacauguccuuc.....	9	0	s12
.....uggcuacGagaacauguccuuc.....	1	1	s12
.....uggcuacaagaacauguccuucG.....	2	1	s12
.....uggcuacaagaacauguccuuc.....	19	0	s12
.....uggcuacaagaacauguccuucU.....	4	1	s12
.....uggcuacaGgaacauguccuuca.....	2	1	s12
.....uggcuacaagaacauguccuucC.....	1	1	s12
.....uggcuacaagaacauguccuucuu.....	6	0	s12
.....uggcuacaagaacCuguccuucuu.....	1	1	s12
.....uggcuacaagaacauguccuucA.....	1	1	s12
.....uggcuacaagaacauguccuucC.....	2	1	s12
.....uggcuacaagaacauguccuucuuC.....	3	1	s12
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.....uggcuacaagaacauguccuucuu.....	17	0	s12
.....uggcuacaagaacaCguccuucuu.....	1	1	s12
.....gcuacaagaacauguccuu.....	2	0	s12
.....Ugguauguuccuguaagaaacu.....	1	1	s12
.....Agguacauguuccuguaagaaacu.....	1	1	s12
.....ggguacauguuccuguaagaaacC.....	29	1	s12
.....ggguacauguuUcuguaagaaacu.....	1	1	s12
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.....ggguacauguuccuguaagaaUu.....	1	1	s12
.....ggguacGuguuccuguaagaaacu.....	1	1	s12
.....ggguacaugCuccuguaagaaacu.....	1	1	s12
.....ggguacauguuccAguagaaacu.....	1	1	s12
.....ggguacauguuccuguaagaGacu.....	1	1	s12
.....ggguacauguCccuguaagaaacu.....	1	1	s12

## Star

## Mature

gaaaugugcugaaauccuaacuuuccauuucaacuggcuacaagaacauguccuucauuuauugggguacauguuccuguaagaaacuugaaaauaggagagagaaaa

.....ggguacauguGccuguaagaaacu.....	1	1	s12
.....ggguacauguuccuguaagaaacu.....	156	0	s12
.....ggguacauguuccuguaagaaacu.....	1	0	s12
.....ggguacauguuccuguaagaaacu.....	1	0	s12
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.....uacauguuccuguaagaaacu.....	1	0	s12
.....cuggcuacaagaacauguccuua.....	1	0	s17
.....uggcuacaagaacauguccuu.....	2	0	s17
.....uggcuacaagaacauguccuuU.....	1	1	s17
.....uggcuacaagaacauguccuuc.....	3	0	s17
.....uggcuacaagaacauguccuua.....	1	0	s17
.....uggcuacaagaacauguccuuU.....	1	1	s17
.....uggcuacaagaacauguccuucuu.....	1	0	s17
.....uggcuacaagaacauguccuucuu.....	2	0	s17
.....ggguacauguuccuguaagaaUc.....	1	1	s17
.....ggguacauguuccuguaagaaacC.....	4	1	s17
.....ggguacauguuccuguaagaaacu.....	2	0	s17
.....uggcuacaagaacauguccuuc.....	3	0	s01
.....uggcuacaagaacauguccuua.....	1	0	s01
.....uggcuacaagaacauguccuucuu.....	1	0	s01
.....uggcuacaagaacauguccuucuuA.....	1	1	s01
.....uggcuacaagaacaGuccuucuuuuauug.....	1	1	s01
.....gcuacaagaacauguccuuA.....	1	1	s01
.....gcuacaagaacauguccuua.....	2	0	s01
.....uacaagaacauguccuua.....	3	0	s01
.....ggguacauguuccuUuagaaacu.....	1	1	s01
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.....uggcuacaagaacaugucU.....	2	1	s10
.....uggcuacaagaacaugucc.....	4	0	s10
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.....uggcuacaagaacauguccuu.....	3	0	s10
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.....uggcuacaagaacauguccuuc.....	34	0	s10
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.....uggcuacaagaauUuguccuua.....	1	1	s10
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.....uggcuacaagaacauguccuuaC.....	1	1	s10
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.....uggcuacaagaacauguccuucuuC.....	1	1	s10
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.....uggcuacaagaacauguccuucuuA.....	6	1	s10
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.....ggguacauguuccuguaUaaacu.....	1	1	s10
.....ggguacauguuccuguaagaaacu.....	11	0	s10
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.....ggguacauguuccuguaagaaacC.....	2	1	s10
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.....gguacauguuccuguaagaaacu.....	1	0	s10
.....uggcuacaagaacauguc.....	1	0	s16
.....uggcuacaagaacaugucU.....	2	1	s16
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.....uggcuacaagaacauguccuu.....	2	0	s16
.....uggcuacaagaacauguccuuU.....	2	1	s16
.....uggcuacaagaacauguccuuc.....	4	0	s16
.....uggcuacaGgaacauguccuuc.....	4	1	s16

## Star

## Mature

gaaaugugcugaaauccuaucacuuuccauuucaac	uggcuacaagaacaugucc	uucauuuau	ggguacauguuccuguagaaacu	gaaaau	ggaggagagaaaa			
.....	uggcuacaagaacauguccuuca	.....		2	0		s16	
.....	uggcuacaagaacauguccuucU	.....		4	1		s16	
.....	uggcuacaagaacauguccuucaG	.....		1	1		s16	
.....	uggcuacaagaacauguccuucau	.....		3	0		s16	
.....	uggcuacaagaacauguccuucaC	.....		2	1		s16	
.....	uggcuacaagaacauguccuucauC	.....		1	1		s16	
.....	uggcuacaagaacauguccuucUuu	.....		1	1		s16	
.....	uggcuacaagaacauguccuucuu	.....		2	0		s16	
.....	uggcuacaagaacauguccuucAu	.....		1	1		s16	
.....	ggguacauguuccuguagaaacA	.....		1	1		s16	
.....	ggguacauguuccuguagaaacu	.....		14	0		s16	
.....	ggguacauguuccuguagaaaUu	.....		2	1		s16	
.....	ggguacauguuccuguagaaacC	.....		2	1		s16	
.....	ggguacauguuccuguagaaacuu	.....		2	0		s16	
.....	ggguacauguuccuguagaaacu	.....		1	0		s04	
.....	ggguacauguuccuguagaaacA	.....		1	1		s04	
.....	uccaacuuccauuuca	.....		1	0		s08	
.....	cuggcuacaagaacauguccuC	.....		5	1		s08	
.....	uggcuacaagaacauguA	.....		2	1		s08	
.....	uggcuacaagaacaugucU	.....		2	1		s08	
.....	uggcuacaagaacaugucc	.....		17	0		s08	
.....	uggcuacaagaacGugucc	.....		1	1		s08	
.....	uggcuacaGgaacaugucc	.....		2	1		s08	
.....	uggcuacaagaacauguccuC	.....		2	1		s08	
.....	uggcuacaagaacauguccuuU	.....		2	1		s08	
.....	uggcuacaagaacauguccuuc	.....		10	0		s08	
.....	uggcuacaagaacauguccuucU	.....		4	1		s08	
.....	uggcuacaagaacauguccuuca	.....		7	0		s08	
.....	uggcuacaagaacaugucGuuca	.....		1	1		s08	
.....	uggcuacaagaacauguccuucAu	.....		2	0		s08	
.....	uggcuacaagaacauguccuucuC	.....		2	1		s08	
.....	uggcuacaagaacauguccuucuu	.....		1	0		s08	
.....	uggcuacaagaacauguccuucUuuu	.....		1	1		s08	
.....	uuuau	ggguacauguuccuguagaaacu	.....	2	0		s08	
.....	ggguacauguuccuguagaaacC	.....		4	1		s08	
.....	Agguacauguuccuguagaaacu	.....		1	1		s08	
.....	ggguacauguuccuguagaaacu	.....		27	0		s08	
.....	ggguacauguuccuguagaaaUu	.....		2	1		s08	
.....	ggguacauguuccuguagaaacuu	.....		1	0		s08	
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.....	cuggcuacaGgaacauguccuuca	.....		2	1		s07	
.....	uggcuacaagaacauguA	.....		1	1		s07	
.....	uggcuacaagaacauguU	.....		5	1		s07	
.....	uggcuacaagaacauguc	.....		12	0		s07	
.....	uggcuacaagaacaugucA	.....		2	1		s07	
.....	uggcuacaagaacaugucc	.....		24	0		s07	
.....	uggcuacaagaacaugucG	.....		2	1		s07	
.....	uggcuacaagaacaugucU	.....		11	1		s07	
.....	uggcuacaGgaacaugucc	.....		1	1		s07	
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.....	uggcuacaagaacauguccGu	.....		1	1		s07	
.....	uggcuacaagaacauguccuu	.....		13	0		s07	
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.....	uggcuacaagaacauguccuuU	.....		1	1		s07	
.....	uggcuacGagaacauguccuuc	.....		1	1		s07	
.....	uggcuacaagaacauguccuuc	.....		25	0		s07	
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.....	Agguacaagaacauguccuuca	.....		1	1		s07	
.....	uggcuacGagaacauguccuuca	.....		1	1		s07	
.....	uggcuacaagaacauguccuucG	.....		1	1		s07	
.....	uggcuacaagaacauguccuucU	.....		6	1		s07	
.....	uggcuacaagaacauguccuuca	.....		15	0		s07	
.....	uggcuacaagaacauguccuucAu	.....		4	0		s07	
.....	uggcuacaagaacaugCccuucau	.....		1	1		s07	

## Star

## Mature

gaaaauugugcugaaaucuccaucaacuucuccauuucaacuggcuacaagaacauguccuucauuuaauugggguacauguuccuguaagaaacuugaaaauuggaggagagaaaa

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.....gcuacaagaacauguccu.....	1	0	s07
.....gcuacaagaacauguccuA.....	3	1	s07
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.....ggguacauguuccuguaagaaac.....	1	0	s07
.....ggguacauguAccuguaagaaacu.....	1	1	s07
.....ggguacauguuccuguaagaaacu.....	167	0	s07
.....ggguacauguuccuguaagaaacC.....	23	1	s07
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.....uggcuacaagaacauguc.....	2	0	s06
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.....uggcuacaagaacaCgucc.....	1	1	s06
.....uggcuacaagaacaugucAu.....	1	1	s06
.....uggcuacaagaacauguccuC.....	1	1	s06
.....uggcuacaGgaacauguccuu.....	1	1	s06
.....uggcuacaagaacauguccuu.....	6	0	s06
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.....uggcuacaGgaacauguccuuc.....	1	1	s06
.....uggcuacaagaacauguccuuU.....	2	1	s06
.....uggcuacaagaacauguccuuc.....	12	0	s06

## Star

## Mature

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.....uggcuacaagaacauguccuucau.....	3	0	s06
.....uggcuacaagaacGuguccuucauu.....	1	1	s06
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.....uggcuacaagaacauguccuucauu.....	9	0	s06
.....uggcuacaagaacauguccuucauAu.....	3	1	s06
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.....uggcuacaagaacaugucc.....	1	0	s03
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