



## Mature

	-3'	obs	
uaaaugguccggaccgcgacacuuuuuguagagaaaacagucaaaucaaaaugggggccauaggcgccuuuggccccgcuuugaauuugacuguuucucuacaaaagugguuaggc		exp	
((((( (((((((((((( ((	reads	mm	sample
. . . . . accacuuuuuguagagaaaac. . . . .	3	0	s19
. . . . . uuuuguagagaaaacagucaaa. . . . .	2	0	s19
. . . . . auuugacuguuucucuaca. . . . .	1	0	s19
. . . . . auuugacuguuucucuacaaaag. . . . .	2	0	s19
. . . . . uuugacuguuucucuaca. . . . .	2	0	s19
. . . . . uuugacugGuucucuaca. . . . .	1	1	s19
. . . . . uuugacuguuucucuacaaaag. . . . .	1	0	s19
. . . . . ugacAguuuucucuacaaa. . . . .	2	1	s19
. . . . . ugacuguuucucuacaaa. . . . .	14	0	s19
. . . . . ugacuguuucucuacaaaa. . . . .	2	0	s19
. . . . . ugacuguuucucuacaaaaC. . . . .	1	1	s19
. . . . . ugGcuguuucucuacaaaag. . . . .	1	1	s19
. . . . . ugacuguuucucuacaaaag. . . . .	93	0	s19
. . . . . ugacugGuucucuacaaaag. . . . .	2	1	s19
. . . . . uAACuguuucucuacaaaag. . . . .	1	1	s19
. . . . . ugacuguuucucuacaaaagu. . . . .	10	0	s19
. . . . . ugacuguuucucuacaaaagG. . . . .	1	1	s19
. . . . . ugacuguuucucuacaaaagUGU. . . . .	1	1	s19
. . . . . ugacuguuucucuacaaaagugg. . . . .	2	0	s19
. . . . . uuuuguagagaaaacagucaaa. . . . .	1	0	s14
. . . . . uguauuugacuguuucucuacuT. . . . .	1	1	s14
. . . . . ugacuguuucucuacaaa. . . . .	1	0	s14
. . . . . ugacuguuucucuacaaaag. . . . .	2	0	s14
. . . . . uuuguagagaaaacagucaaau. . . . .	2	0	s12
. . . . . uugauuugacuguuucucu. . . . .	1	0	s12
. . . . . uu gauuugacuguuucucuGocaaaaguggu. . . . .	1	1	s12
. . . . . uguauuugacuguuucucu. . . . .	1	0	s12
. . . . . auuugacuguuucucuacuT. . . . .	5	1	s12
. . . . . auuugacuguuucucuacuG. . . . .	1	1	s12
. . . . . uuugacuguuucucuaca. . . . .	1	0	s12
. . . . . uuugacugGuucucuaca. . . . .	1	1	s12

## Star

## Mature

uaaaugguccggacccgaccacuuuuuguagagaaacagucaaa	ucaaaaugggggccauaggcgccuuuggccccgcuuuugauuu	ugacuguuucucuacaaaagugguuaggc			
.....uuugacuguuucucuacaa.....	1	0	s12		
.....ugacuguuucucuacaaaag.....	6	0	s12		
.....ugacuguuucucuacaaaagu.....	5	0	s12		
.....ugacuguuucucuGcaaaagugg.....	1	1	s12		
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.....ugacuguuucucuacaaaagugg.....	4	0	s01		
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.....uccggacccgaccacuuuugC.....	1	1	s17		
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.....uuugacuguuucucuacaaaag.....	1	0	s10		
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.....ugacuguuucucuacaaaaC.....	1	1	s10		
.....ugacuguuucucuacUaaag.....	2	1	s10		
.....ugacuguuucucuacaaaagug.....	1	0	s10		
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.....ugacuguuucucuacUaaaguggu.....	1	1	s10		
..aaugguuccggacccgaccacC.....	1	1	s02		
..augguccggacccgaccacu.....	7	0	s02		
..augguccggacccgaccacA.....	2	1	s02		
.....uccggacccgaccacuuC.....	1	1	s02		
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.....uuuuuguagagaaacagucaaa.....	2	0	s02		
.....Guuuguagagaaacagucaaa.....	1	1	s02		
.....uuuguagagaaacaguca.....	2	0	s02		
.....uuuguagagaGacagucaaa.....	4	1	s02		
.....uuuguagagaaacagucaaa.....	2	0	s02		

## Star

## Mature

uaaaugggucggaccgaccacuuuuuguagagaaacagucaaa <u>ucaaaaugggggccauaggcgccuuuggcccgccuuuga</u> uuugacuguuuucucua <u>caaaa</u> aggguuaggc			
.....uuuguagagaaacagAcaaa.....	1	1	s02
.....uuuguagagaaacagucaaa.....	1	0	s02
.....uuguagagaaacagucaaa.....	2	0	s02
.....uuuguagagAacagucaaa.....	2	1	s02
.....uuuguagagaaacagucaaa.....	3	0	s02
.....uagagaaacagucaaa <u>uca</u> .....	1	0	s02
.....uagagagacagucaaa <u>uca</u> .....	1	1	s02
.....ucaaaaugggggccauagg.....	1	0	s02
.....ucaaaaGggggccauaggcg.....	1	1	s02
.....cccgccuuuga <u>uuugacuguuu</u> .....	1	0	s02
.....uuuga <u>uuugacuguuu</u> cucu.....	1	0	s02
.....uuuga <u>uuugacuguuu</u> cucuac.....	1	0	s02
.....uuga <u>uuugacuguuu</u> cuc.....	1	0	s02
.....uuga <u>uuugacuguuu</u> cucu.....	4	0	s02
.....uga <u>uuugacuguuu</u> cucu.....	1	0	s02
.....ugaCu <u>uugacuguuu</u> cucuac.....	1	1	s02
.....uga <u>uuugacuguuu</u> cucuac.....	2	0	s02
.....uga <u>uuugacuguuu</u> cucuaca.....	6	0	s02
.....au <u>uugacuguuu</u> cucuac.....	2	0	s02
.....au <u>uugacuguuu</u> cucuaca.....	1	1	s02
.....au <u>uugacuguuu</u> cucuacU.....	12	1	s02
.....au <u>uugacuguuu</u> cucuaca.....	1	1	s02
.....au <u>uugacuguuu</u> cucuaca.....	5	0	s02
.....uu <u>ugacuguuu</u> cucuaca.....	4	0	s02
.....uu <u>ugacuguuu</u> cucuacUa.....	1	1	s02
.....uu <u>ugacuguuu</u> cucuacaa.....	3	0	s02
.....uu <u>ugacuguuu</u> cucuacacU.....	2	1	s02
.....uu <u>ugacuguuu</u> cucuacaaaag.....	6	0	s02
.....uu <u>ugacuguuu</u> cucuacaaaag.....	1	1	s02
.....uu <u>ugacuguuu</u> cucuacaa.....	1	0	s02
.....uu <u>ugacuguuu</u> cucuacaaa.....	1	0	s02
.....uu <u>ugacuguuu</u> cucuacCa.....	1	1	s02
.....uu <u>ugacuguuu</u> cucuacacU.....	1	1	s02
.....uu <u>ugacuguuu</u> cucuacaaa.....	1	0	s02
.....uu <u>ugacuguuu</u> cucuacaaaag.....	8	0	s02
.....uu <u>ugacuguuu</u> cucuacaaaag.....	3	1	s02
.....uu <u>ugacuguuu</u> cucuacaaaaguggu.....	2	0	s02
.....u <u>gacuguuu</u> cucuacaaa.....	2	1	s02
.....u <u>gacuguuu</u> cucuacaaa.....	36	0	s02
.....u <u>gacuguuu</u> cucuacaaa.....	17	0	s02
.....u <u>gacuguuu</u> cucuacacU.....	1	1	s02
.....uA <u>acuguuu</u> cucuacaaaag.....	1	1	s02
.....uG <u>acuguuu</u> cucuacaaaag.....	5	1	s02
.....u <u>gacuguuu</u> cucuacaaaag.....	2	1	s02
.....u <u>gacuguuu</u> cucuacGaaag.....	6	1	s02
.....u <u>gacuguuu</u> cucuacaaaag.....	835	0	s02
.....u <u>gacuguuu</u> cucuacaaGag.....	2	1	s02
.....u <u>gacuguuu</u> cucuacUaaag.....	1	1	s02
.....u <u>gacuguuu</u> cucuacaaaag.....	2	1	s02
.....u <u>gacuguuu</u> cucuacaaaag.....	1	1	s02
.....u <u>gacuguuu</u> cucuacaaaC.....	1	1	s02
.....u <u>gacuguuu</u> cucuacaaaag.....	2	1	s02
.....u <u>gacuguuu</u> cucuacaaGagu.....	3	1	s02
.....u <u>gacuguuu</u> cucuacaaaagA.....	5	1	s02
.....u <u>gacuguuu</u> cucuacaaaagu.....	96	0	s02
.....u <u>gacuguuu</u> cucuacaaaagu.....	2	1	s02
.....u <u>gacuguuu</u> cucuacGaaagu.....	1	1	s02
.....u <u>gacuguuu</u> cucuGcaaaagugg.....	1	1	s02
.....u <u>gacuguuu</u> cucuacaaaagugg.....	5	0	s02
.....accacuuuuuguagagaaac.....	1	0	s11
.....u <u>gacuguuu</u> cucuacaaaag.....	1	0	s11
.....u <u>gacuguuu</u> cucuacGaaagugg.....	1	1	s11
.....uu <u>gacuuuugacuguuu</u> cuc.....	1	0	s05
.....au <u>uugacuguuu</u> cucuaca.....	1	0	s05
.....uu <u>ugacuguuu</u> cucuaca.....	1	0	s05
.....uu <u>ugacuguuu</u> cucuacaaaagugguuagg.....	1	0	s05
.....u <u>gacuguuu</u> cucuacaaa.....	1	0	s05
.....u <u>gacuguuu</u> cucuacaaaag.....	1	1	s05

## Star

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uaaauggguccggaccgaccacuuuuuguagagaaacagucaaa <u>ucaaaauggggccauaggcgccuuuggccccgcuuuuga<u>uuugacuguuucucuacaaaag</u>ugguuaggc</u>			
.....ugacuguuucucuacaaaag.....	10	0	s05
.....ugacuguuucucuacaaaagG.....	1	1	s05
.....ugacug <u>Guucucuacaaaagu</u> .....	1	1	s05
.....ugacuguuucucuacaaaagu.....	9	0	s05
.....uccggGcccgaccacuuuug.....	2	1	s18
.....uuga <u>uuugacuguuucuc</u> .....	1	0	s18
.....ugacuguuucucuacaaaag.....	2	0	s18
.....uccggGcccgaccacuuuug.....	2	1	s08
.....uagagaaacagucaaaCca.....	1	1	s08
.....uuga <u>uuugacuguuucucuaca</u> .....	1	0	s08
.....auuugacuguuucucuacU.....	1	1	s08
.....uuugacuguuucucuacU.....	1	1	s08
.....uuugacuguuucucuacaaaag.....	1	0	s08
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.....ugacuguuucucuacaaa.....	1	0	s08
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.....ugacuguuucucuacaaa.....	1	0	s08
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.....uuuuguagagaaacagucaaa.....	2	0	s09
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.....uuguagagaGacagucaaa.....	1	1	s07
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.....uga <u>uCu</u> gacuguuucucu.....	1	1	s07
.....uga <u>uuugacuguuucucu</u> .....	1	0	s07
.....uga <u>uuugacuguuucucu</u> a.....	2	0	s07
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.....auuugacuguuucucuacG.....	1	1	s07
.....uuugacuguuucucuaca.....	2	0	s07
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.....uuugacuguuucucuacaaaU.....	1	1	s07
.....uugacuguuucucuacaaa.....	4	0	s07
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.....ugacuguGucucuacaaaag.....	1	1	s07
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.....uuugacuguuucucuaca.....	1	0	s06
.....uuugacuguuucucuacUaaagu.....	1	1	s06
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.....ugacuguuucucuacaaaagA.....	1	1	s06
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.....ugacuguuucucuacaaa.....	1	0	s03
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.....ugacuguuucucuacaaaagA.....	1	1	s03
.....ugacuguuucucuacaaaagu.....	3	0	s03
.....uugacuguuucucuacaaaag.....	1	0	s15

Star

Mature

uaaauggguccggacccgaccacuuuuuguagagaaacagucaaa <u>ucaaaa</u> augggggccauaggcgccuuugggccccgcuuuuga <u>uuug</u> acuguuucucuacaaaagugguuaggc			
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.....ucaaaaugggggccauaggcg.....	1	0	s16
.....ugacuguuucucuacaaaag.....	5	0	s16