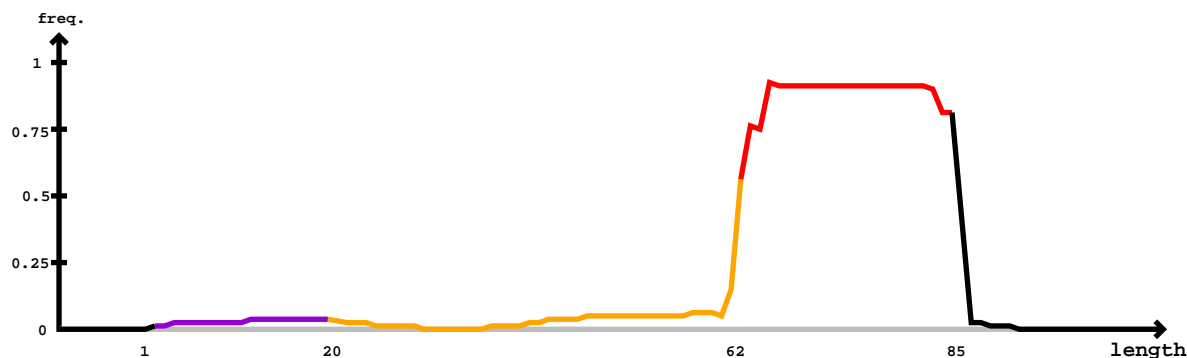


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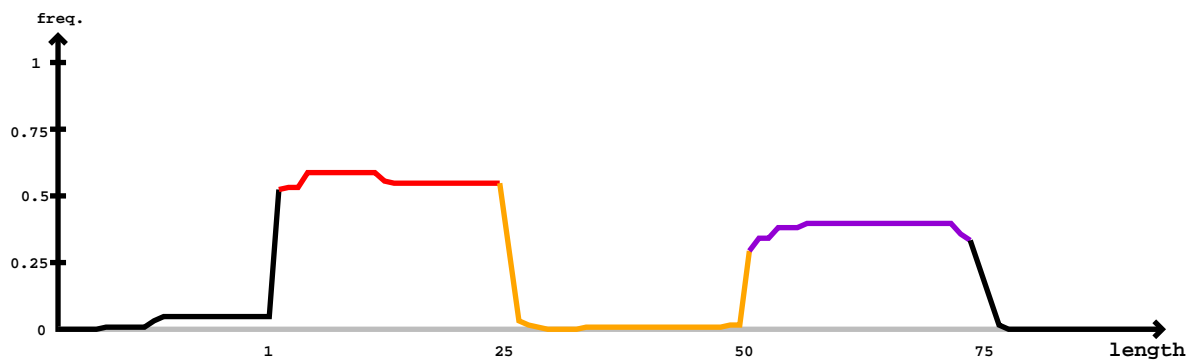
## Mature

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Star

**Mature**

[illegible]



## Mature

Star

[illegible]

Mature

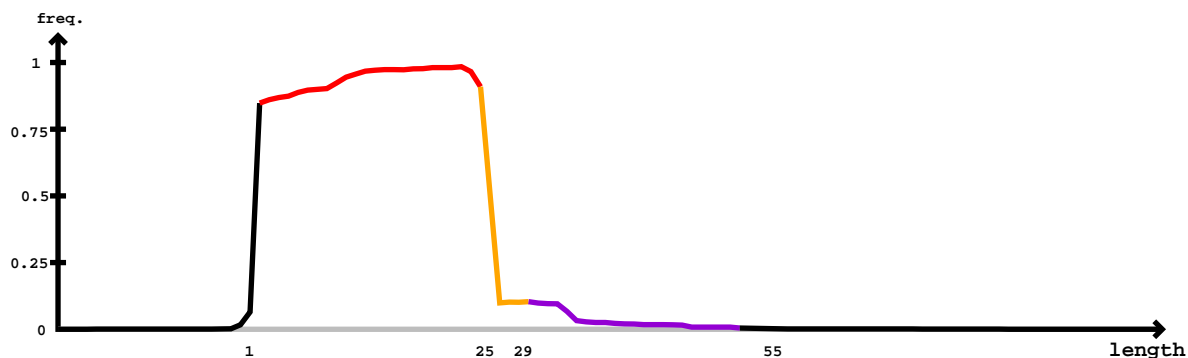
Star

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Star	Mature		
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.....uuuGgauc <u>u</u> agggaaaa <u>uu</u> cu.....	1	1	S02
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## Mature

## Star

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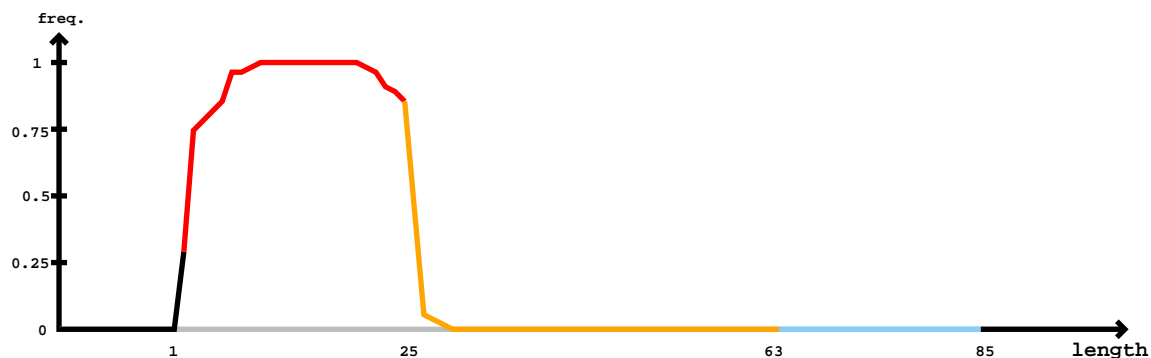
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Mature

Star

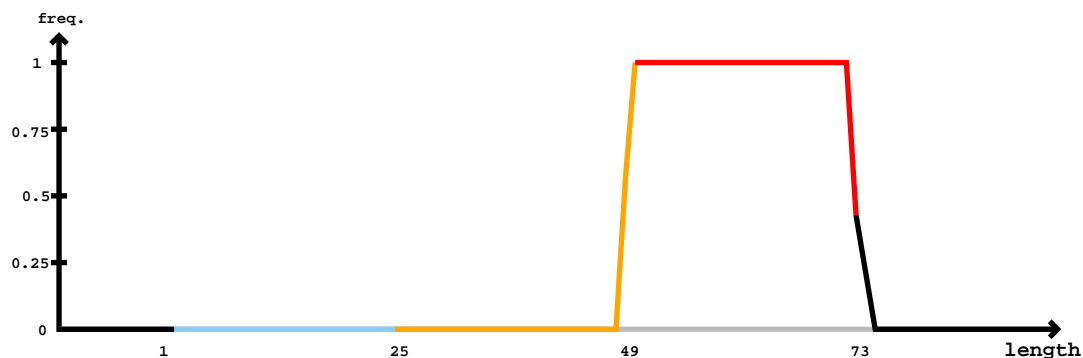
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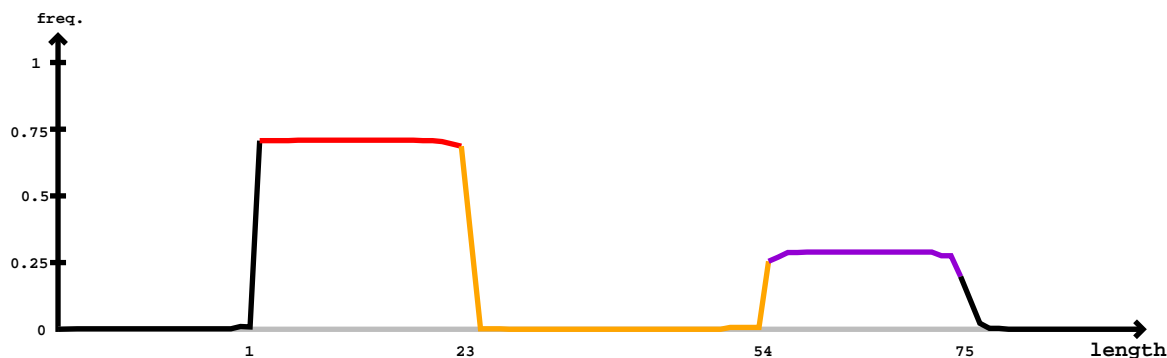
Star

[illegible]





## Mature



Star

[illegible]

## Mature

## Star

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## Mature

## Star

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## Mature

## Star

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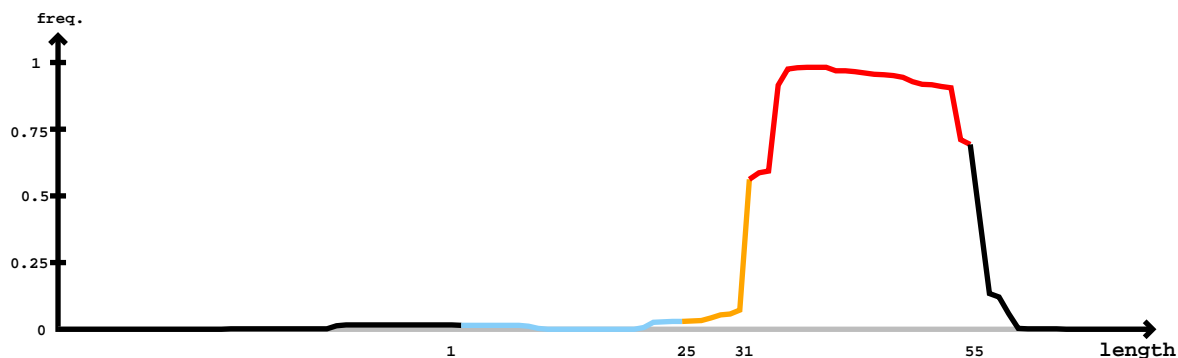
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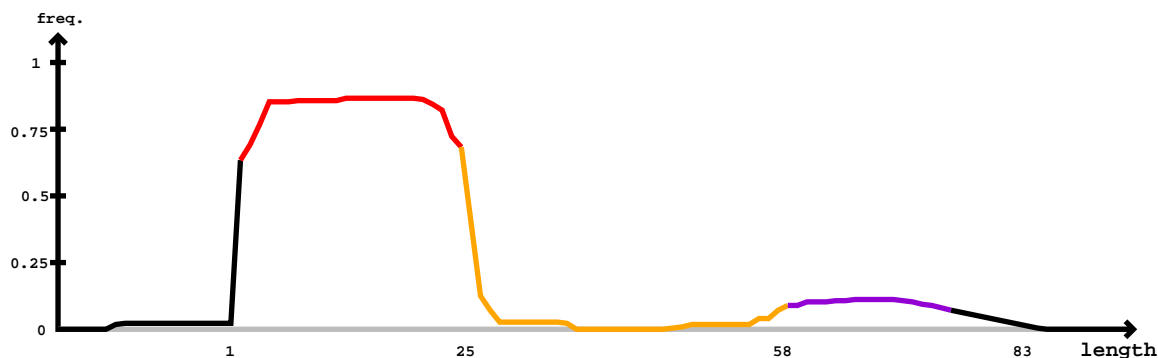
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## Mature

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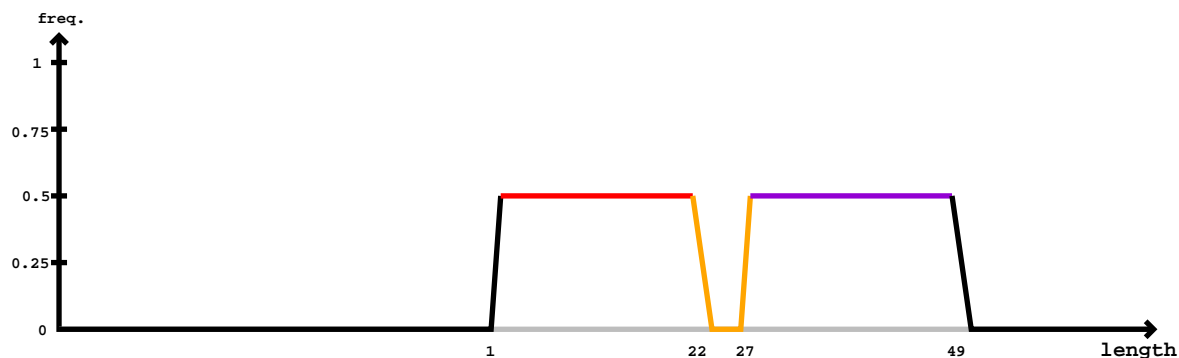
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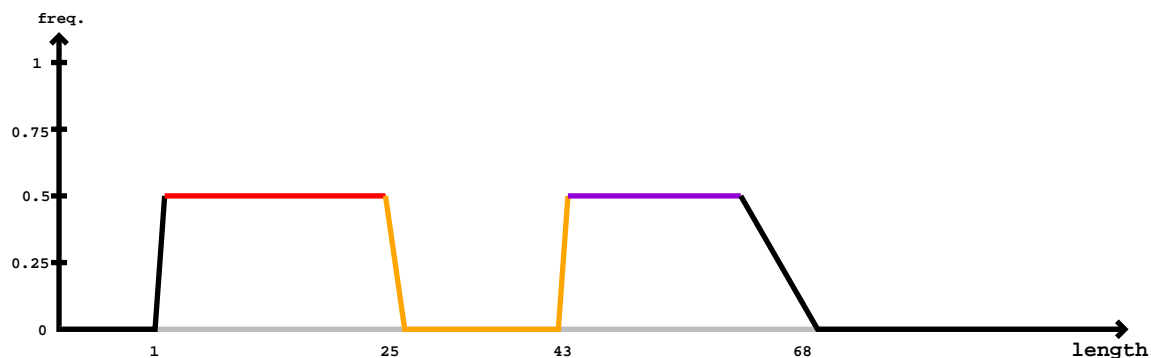
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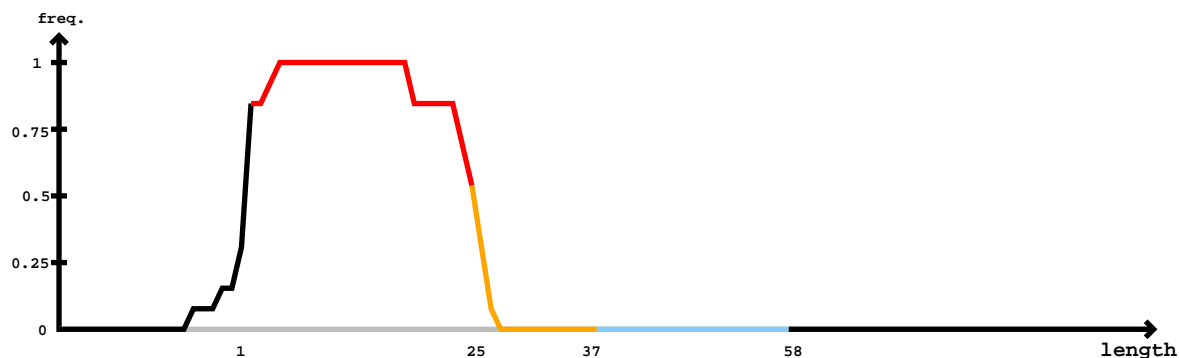
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	uacaagaguu	aaggccau	caagaag	uugugcu	caagccaa	uuucagagucuu	acaaggaac	uucuggu	uuauau	uuggcugaga	auuggga	gggu	ugagacac	auagaccuc		exp	
	.....((.((((((((((((.(.((((((.....((.(.(((.....)))..)))..)))..)))..))..)))..)))..))														reads	mm	sample
	.....uuucagagucuuacaaggaacu.....														1	0	S01
	.....guuauauuggcugagaauuggga.....														1	0	S02





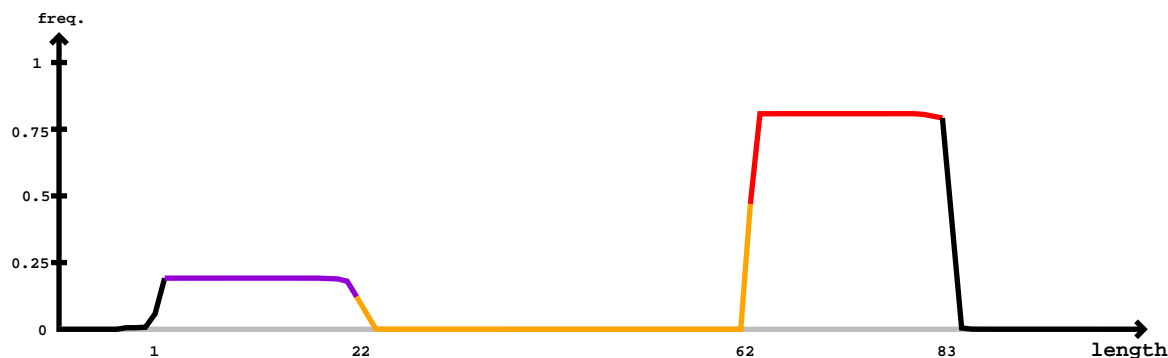
Star

5'	obs	exp	reads	mm	sample
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.....uuuguuuuuuuuagaaccuaugcu.....			1	0	S02



Star

[illegible]



## Mature

[illegible]

## Star

## Mature

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## Star

## Mature

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## Star

## Mature

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## Star

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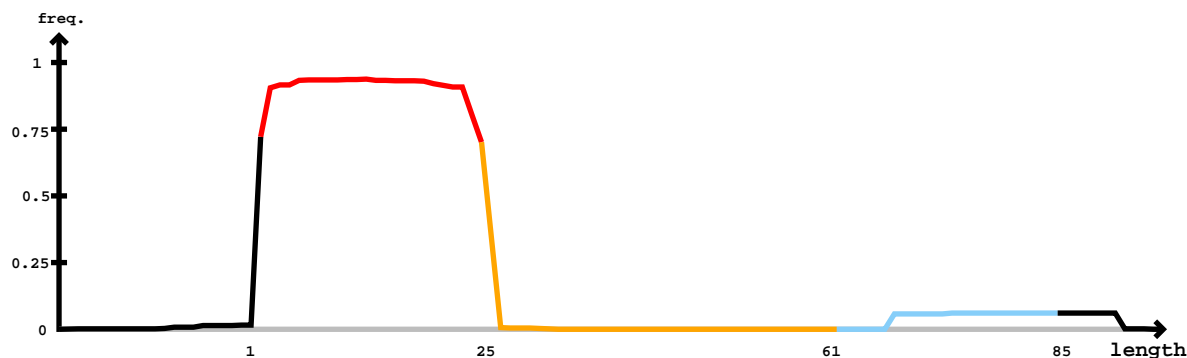
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.....augcacugccucuuGccuggc.....	1	1	S02
.....augcacugccucuucccuggA.....	60	1	S02
.....augcacugccCuucccuggc.....	10	1	S02
.....augcacugccucuuAccuggc.....	2	1	S02
.....Nugcacugccucuucccuggc.....	4	1	S02
.....augcacugccuAuuccuggc.....	1	1	S02
.....augcaUugccucuucccuggc.....	2	1	S02
.....augcacugccucuuAccuggc.....	2	1	S02
.....augcacugccucuucccugCc.....	1	1	S02
.....Cugcacugccucuucccuggc.....	1	1	S02
.....auUcacugccucuucccuggc.....	1	1	S02
.....augcacugccucuucccuAgc.....	9	1	S02
.....augcacugccucuucccUuggc.....	1	1	S02
.....augcacugUcucuucccuggc.....	3	1	S02
.....augcCcugccucuucccuggc.....	4	1	S02
.....augcacCgcccucuucccuggc.....	4	1	S02
.....augcaAugccucuucccuggc.....	3	1	S02
.....augcacugGcucuucccuggc.....	2	1	S02
.....augcacugccucuucccuggcC.....	1	1	S02
.....augcacugccucuucccuggcG.....	1	1	S02
.....Cgcacugccucuucccug.....	1	1	S02
.....ugcacugccucuucccuA.....	2	1	S02
.....ugcacugccucuucccug.....	30	0	S02
.....ugcacugccucuucccuU.....	4	1	S02
.....ugcacugccucuucccCg.....	2	1	S02
.....ugcacugccucuucccugC.....	1	1	S02
.....ugcacugccucuucccugU.....	5	1	S02
.....ugcacugccucuucccugg.....	18	0	S02
.....uAacacugccucuucccugg.....	1	1	S02
.....ugcacugccucuucccugA.....	1	1	S02
.....ugcacugccucuucccuUg.....	1	1	S02
.....Agcacugccucuucccuggc.....	1	1	S02
.....ugcacugccucuuUcuggc.....	3	1	S02
.....ugcacugccucuucccuggA.....	39	1	S02
.....ugcacugccucuuAccuggc.....	1	1	S02
.....ugcacugccucuuAccuggc.....	2	1	S02
.....ugcacugccucuucccuggc.....	1136	0	S02
.....uUcacugccucuucccuggc.....	1	1	S02
.....ugcacugccucuuGccuggc.....	1	1	S02
.....ugcacuAccucuucccuggc.....	3	1	S02
.....ugcacAgccucuucccuggc.....	2	1	S02
.....ugcacugccucuucccCggc.....	6	1	S02
.....ugcacugccucuucccuUgc.....	2	1	S02
.....ugcacugAcucuucccuggc.....	1	1	S02
.....ugcacCgcccucuucccuggc.....	1	1	S02
.....ugcacugccucuucccuggU.....	180	1	S02
.....ugcacuCcucuucccuggc.....	2	1	S02
.....ugcacugccucuucccuggG.....	7	1	S02
.....ugcacugccucAuccuggc.....	1	1	S02
.....ugcacugccucuuccAuggc.....	3	1	S02
.....ugcacugccucuucccuAgc.....	3	1	S02
.....ugcacugccGuucccuggc.....	1	1	S02
.....ugcacugccuAuuccuggc.....	2	1	S02
.....ugcacugccucCuccuggc.....	5	1	S02
.....ugcacGgcccucuucccuggc.....	1	1	S02
.....ugcacugccucuuGcuggc.....	2	1	S02

## Star

## Mature

agacaaaagacggggaacagacagagcauggaugcagcuauuaacagucuuuuacuguuuugguuccaccccaugcacugccucuuucccuggcucugacucuuucucuccuc			
.....ugcacugccuUuucccuggc.....	5	1	S02
.....ugUacugccucuucccuggc.....	1	1	S02
.....ugcacugccuGuucccuggc.....	1	1	S02
.....ugcacugccucuucccugAc.....	4	1	S02
.....ugcacugUcucuucccuggc.....	4	1	S02
.....ugcacugcGuucccuggc.....	1	1	S02
.....ugcacuUccucuucccuggc.....	5	1	S02
.....ugcacugccucuuAcuggc.....	1	1	S02
.....ugcacugccucuCcccuggc.....	6	1	S02
.....ugcacugccucuuUccuggc.....	4	1	S02
.....ugcacugccucuucccugUc.....	2	1	S02
.....uAcacugccucuucccuggc.....	2	1	S02
.....ugcacugccAcucccuggc.....	1	1	S02
.....ugcacugcUucuucccuggc.....	2	1	S02
.....ugcacugccCuucccuggc.....	3	1	S02
.....Cgcacugccucuucccuggc.....	4	1	S02
.....ugcacugGcucuucccuggc.....	1	1	S02
.....ugcUcugccucuucccuggc.....	1	1	S02
.....ugcGcugccucuucccuggc.....	10	1	S02
.....ugcacugccucuucccAggc.....	3	1	S02
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.....Ggcacugccucuucccuggc.....	2	1	S02
.....ugcacugccucuuGccuggc.....	1	1	S02
.....Cgcacugccucuucccuggc.....	3	1	S02
.....ugcacugccucuucccuggUu.....	1	1	S02
.....ugcacugccucuucccuggcG.....	61	1	S02
.....ugcacugccucuucccuggcA.....	28	1	S02
.....uUcacugccucuucccuggcu.....	1	1	S02
.....ugcacugccucuuAccuggc.....	1	1	S02
.....ugcacAgccucuucccuggcu.....	1	1	S02
.....ugcacuUccucuucccuggcu.....	3	1	S02
.....ugcacugccuAcucccuggcu.....	1	1	S02
.....Ggcacugccucuucccuggcu.....	1	1	S02
.....ugcacugccuGuucccuggcu.....	1	1	S02
.....ugcacugcUucuucccuggcu.....	1	1	S02
.....ugcUcugccucuucccuggcu.....	1	1	S02
.....ugcGcugccucuucccuggcu.....	3	1	S02
.....ugcacugccucuucccugAcu.....	1	1	S02
.....ugcacugccucuucccUgcu.....	2	1	S02
.....Agcacugccucuucccuggcu.....	2	1	S02
.....ugcacugccucuucccuggcC.....	56	1	S02
.....ugcacugccucuucccugUcu.....	1	1	S02
.....ugcacugAcucuucccuggcu.....	1	1	S02
.....ugcacugccucuucccuggcu.....	444	0	S02
.....ugcacGccucuucccuggcu.....	1	1	S02
.....ugcacugccucuucccGggcu.....	1	1	S02
.....ugcacugcAucuucccuggcu.....	2	1	S02
.....ugcacugccCuucccuggcu.....	3	1	S02
.....ugcacugccGcuucccuggcu.....	1	1	S02
.....ugcacuAccucuucccuggcu.....	3	1	S02
.....ugcacugccucuucccAuggc.....	1	1	S02
.....ugcacugccucuuGccuggc.....	2	1	S02
.....ugcacugccucuuUccuggc.....	1	1	S02
.....ugGacugccucuucccuggcu.....	1	1	S02
.....uCcacugccucuucccuggcu.....	1	1	S02
.....ugcacuCcucuucccuggcu.....	2	1	S02
.....ugcacugccucuucccuggcuG.....	1	1	S02
.....ugcacuCcucuucccuggcuc.....	1	1	S02
.....ugcacugccucuucccuggcuA.....	3	1	S02
.....ugcacugccucuucccuggcuc.....	15	0	S02
.....ugcacugccucuucccuggcuU.....	14	1	S02
.....ugcacugccucuucccuggcucG.....	1	1	S02
.....ugcacugccucuucccuggcucug.....	1	0	S02
.....ccuggcucugacuccuuucucu.....	2	0	S02



Star

5'-		-3'	exp
cauugcugggguugugucccagcuacugcggaauagacuugggcugccacauaugugccacguaacaauuuucugcca	caugccuaauccucauuggcugggugcaccacuc		
.....((((((( (((((((((((( (((((((((( (((((((((( .....)))))))).) ))))))) .) ))))))).))) .)))	reads	mm	sample
cauugcugggguuguguccU.....	1	1	S01
.....uuguguccccagcuacugcgg.....	1	0	S01
.....uuguguccUagcuacugcgg.....	1	1	S01
.....ugcuccUagcuacugcggaauaag.....	1	1	S01
.....ugcuccUagcuacugcggaauaaga.....	2	1	S01
.....ugcucccagcuacugcggaauaagac.....	1	0	S01
.....Uagcuacugcggaauaaga.....	3	1	S01
.....cagcuacugcggaauaaga.....	1	0	S01
.....cagcuacugcggaauaagacu.....	1	0	S01
.....cagcuacugcggaauaagacuug.....	12	0	S01
.....cagcuacugcggaCaagacuug.....	1	1	S01
.....cagcuacugcggaauaagacuuU.....	1	1	S01
.....cagcuacugcggaauaagacuugC.....	5	1	S01
.....cagcuacugcggaGaagacuugu.....	1	1	S01
.....cagcuacugcggaauaagacuugu.....	11	0	S01
.....cagcuacugcggaauaagacCugug.....	1	1	S01
.....cagcuacugcggaauaagaGuugug.....	1	1	S01
.....cagcuacugcggaauaagacuuguA.....	7	1	S01
.....cagcuacugcUgauaagacuugug.....	1	1	S01
.....cagcuacugcggaauaUacuugug.....	1	1	S01
.....cagcuacugcggaauaagacAugug.....	2	1	S01
.....cagcuacugcggaauaagacuugug.....	87	0	S01
.....cagcuacugcggaauaagacuugCg.....	1	1	S01
.....cagcuacugcggaauaagacuuguC.....	1	1	S01
.....cagcuacugAggaauaagacuugug.....	1	1	S01
.....cagcuGcugcggaauaagacuugug.....	2	1	S01
.....cagcuacugcggaauaagacuCgug.....	1	1	S01
.....cagcuacugcggaCaagacuugug.....	1	1	S01
.....cagcuacAgcggaauaagacuugug.....	2	1	S01
.....cGgcuaucugcggaauaagacuugug.....	1	1	S01
.....cagcuacugcggaauaagacCugug.....	1	1	S01
.....Uagcuacugcggaauaagacuugug.....	1	1	S01
.....cagcuacugcggaauaagacuUug.....	1	1	S01
.....cagcuacugcggaGaagacuugug.....	1	1	S01

## Mature

## Star

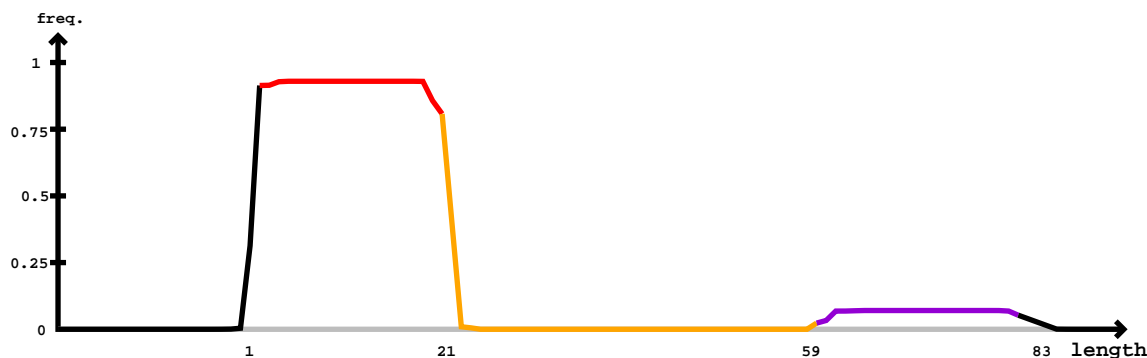
cauugcuggguugugcucc	cagcuacugcggauaagacuugugcugccacauaugugccacguaacauuuuccugcca	cagccuuauucccauuggcugggugcaccacuc			
.....agcuacugcggauaagacAug.			5	1	S01
.....agcuacugcggauaagacuAg.			1	1	S01
.....agcuacugcggauaagacuug.			2	0	S01
.....agcuauugcggauaagacuugu.			1	1	S01
.....agcuacugcggauaagacuugu.			3	0	S01
.....agcuacugcggauaagacAugu.			3	1	S01
.....agcuacugcggauaagacuugug.			1	0	S01
.....agcuacugcggauaagacAugug.			13	1	S01
.....agcuacugcggauaagacGugugg.			1	1	S01
.....agcuacugcggauaagacuugugA.			3	1	S01
.....agcuacugcggauaagacuugugg.			15	0	S01
.....agcuacugcggauaagacAugugg.			2	1	S01
.....gcuacugcggauaagacuugu.			1	0	S01
.....gcuacugcggauaagacAugu.			1	1	S01
.....gcuacugcggauaagacAugug.			1	1	S01
.....gcuacugcggauaagacuugggc.			1	0	S01
.....uacugcggauaagacAug.			1	1	S01
.....uacugcggauaagacuuguU.			1	1	S01
.....uacugcggauaagacAugug.			2	1	S01
.....gauaagacuuguggcugcca.			1	0	S01
.....uuauucccauuggcugggugcacA...			1	1	S01
.....uuauucccauuggcugggugcacU...			3	1	S01
.....uuauuccAcauuggcugggugcacc...			1	1	S01
.....uuauucccauuggcugggugcacc...			21	0	S01
.....ucauuggcugggugcacc...			1	0	S01
.....guugugcucccagcuacugUggau.			1	1	S02
.....uugugcuccUagcuacugcgg.			1	1	S02
.....cccagcuacugcggauaagacuug.			1	0	S02
.....Uagcuacugcggauaagac.			3	1	S02
.....cagcuacugcggauaagacu.			3	0	S02
.....cagcuacugcggauaagacuU.			1	1	S02
.....cagcuacugcggauaagacuA.			1	1	S02
.....cagcuacugcggauaagacuug.			7	0	S02
.....cagcuacugcggauaAaacuugu.			1	1	S02
.....cagcuacugcggauaagacuugu.			27	0	S02
.....cagcuacugcggauaagacuugA.			2	1	S02
.....cagcuacugcggauaagacuAa.			1	1	S02
.....cagcuacugcggauaagacuCgu.			1	1	S02
.....cagcuacugUggauaagacuugu.			1	1	S02
.....cagUuacugcggauaagacuugug.			1	1	S02
.....cagcuacugcggauaagacuugug.			201	0	S02
.....cagcuacugcggauaagacuuguU.			6	1	S02
.....cagcuacugUggauaagacuugug.			1	1	S02
.....cagcuacugcggauaagacuugug.			2	1	S02
.....cagcuacugcggauaagacuuguA.			17	1	S02
.....cagcuacugcggauaagaGuugug.			1	1	S02
.....cagcuacugcggauaagacuCgug.			1	1	S02
.....cagcuacugcggauaagacAugug.			4	1	S02
.....cagcuacugcggauaagacuuguC.			1	1	S02
.....cagcuacugcggauCagacuugug.			1	1	S02
.....cagcuacugcCgauaagacuugug.			1	1	S02
.....cagcuUcugcggauaagacuugug.			1	1	S02
.....cagcuacugAggauaagacuugug.			2	1	S02
.....cagcuacugcggauaagacuugCg.			10	1	S02
.....cagcuacugGggauaagacuugug.			1	1	S02
.....Uagcuacugcggauaagacuugug.			3	1	S02
.....cagcuacugcggauaagGcuugug.			1	1	S02
.....cagcuacugcggauaagaAuugug.			1	1	S02
.....agcuacugcggauaagacuug.			7	0	S02
.....agcuacugcggauaagacAug.			24	1	S02
.....agcuacAgcggauaagacuug.			1	1	S02
.....agcuacugcggauaagacuugu.			4	0	S02
.....agcuacugcggauaagacAugu.			2	1	S02
.....agcuacugcggauaagacuugug.			5	0	S02
.....agcuacugcggauaagacAugug.			9	1	S02
.....agcuacugcggauaagacAugugg.			1	1	S02
.....agcuacugcggauaagacuugCgg.			1	1	S02
.....agcuacugcggauaagacuugugg.			15	0	S02
.....gcuacugcggCaagacuug.			1	1	S02

## Mature

## Star

cauugcuggguugugcuccagc <u>uacugcggauaagacuuguggcugcc</u> cauauugugccacguaacauuuuccugcca <u>caugccuuauccucauugggcugggugcaccacuc</u>			
.....gc <u>uacugcggauaagacuug</u> .....	1	0	S02
.....gc <u>uacugcggauaagacuugu</u> .....	1	0	S02
.....uacugcggauaagacuugu <u>U</u> .....	1	1	S02
.....uacugcggauaagac <u>Augug</u> .....	2	1	S02
.....uacugcggauaagacuugug.....	3	0	S02
.....uacugcggauaagacuugugg.....	1	0	S02
.....acugcggauaagacuugggcugc.....	1	0	S02
.....cggauaagac <u>Auguggcugcc</u> .....	1	1	S02
.....uuauccucauugggcugggugcacc....	8	0	S02
.....uuauccucauugggcugggugcacA....	1	1	S02
.....uuauccucauugggcugggugcacU....	2	1	S02
.....ucauugggcugggugcaccacu.....	1	0	S02





Star

5'	auucuuugcgacauagaauugacagaagagagugagcacacagaggccauuguauaagcuuaauacuuuugcuuuugcgugucacuuucucugucagcuuccagug	-3'	obs	
	auucuuugcgacauagaauugacagaagagagugagcacacagaggccauuguauaagcuuaauacuuuugcuuuugcgugucacuuucucugucagcuuccagug		exp	
	.....(((.(((.(((.)))))))).)))))))).)))))))).)))))))).)))))))).))))))	reads	mm	sample
	.....aaauugacagaagagagugagU.....	1	1	S01
	.....aaauugacagaagagagGgagc.....	1	1	S01
	.....auugacagaagagGgugagc.....	1	1	S01
	.....auugacagaagagagugagc.....	12	0	S01
	.....auugacagaagagagugagU.....	2	1	S01
	.....auugacagaagagagugagcU.....	1	1	S01
	.....auugacagaagagagugagca.....	1	0	S01
	.....Cuugacagaagagagugagcac.....	3	1	S01
	.....auugacagaagagagugagcac.....	1	0	S01
	.....uugacagaagagagugaU.....	1	1	S01
	.....uugacagaagagagugagU.....	6	1	S01
	.....uugacagaagagagGgagc.....	1	1	S01
	.....uugacagaagagCgugagc.....	1	1	S01
	.....uugacagaagagGgugagc.....	1	1	S01
	.....uugacagaagagagugagc.....	57	0	S01
	.....uugacagaagagagugagA.....	1	1	S01
	.....uugUcagaagagagugagc.....	1	1	S01
	.....uugGcagaagagagugagc.....	1	1	S01
	.....uugacCgaagagagugagc.....	1	1	S01
	.....uugacagaagGgagugagca.....	1	1	S01
	.....uugacagaagagagugagcG.....	1	1	S01
	.....uugacagGagagagugagca.....	1	1	S01
	.....uugacagaagagagugagca.....	48	0	S01
	.....uugacagaagagagugagcU.....	1	1	S01
	.....uugacagaGgagagugagcac.....	4	1	S01
	.....uugacagaagagagugagcaA.....	12	1	S01
	.....uugacagaagagagugagcaG.....	1	1	S01
	.....uugacGgaagagagugagcac.....	2	1	S01
	.....Nuugacagaagagagugagcac.....	1	1	S01
	.....uugacagGagagagugagcac.....	5	1	S01
	.....uugaGagaagagagugagcac.....	1	1	S01
	.....uugacaUaagagagugagcac.....	1	1	S01
	.....uugacagaagagagAugagcac.....	2	1	S01

## Mature

## Star

auucuugcgacauagaaa <u>ugacagagaagagagugagcacacagaggc</u> acuuguauaagcuuauacu <u>uuugc</u> uuuugc <u>gugcucacacuu</u> cuuuc <u>uguca</u> gcuuccagug			
.....uugacagagaagagagu <u>AAgcac</u> .....	1	1	S01
.....uugacUgaagagagugagcac.....	1	1	S01
.....uugacagagaagagagugUgcac.....	2	1	S01
.....uugCcagaagagagugagcac.....	2	1	S01
.....uugacagagaagagagGgagcac.....	5	1	S01
.....uugacagagaagagagugagcGc.....	2	1	S01
.....uugacagagaagGgagugagcac.....	3	1	S01
.....uugacagagaagagagugagcaU.....	83	1	S01
.....uugacagagaagagagugGgcac.....	9	1	S01
.....uGgacagagaagagagugagcac.....	2	1	S01
.....uugGcagaagagagugagcac.....	5	1	S01
.....uugacagagaagagagugagAAC.....	1	1	S01
.....Aagacagagaagagagugagcac.....	4	1	S01
.....uugacagCagagagugagcac.....	1	1	S01
.....uugUcagaagagagugagcac.....	2	1	S01
.....uugacagagaagagagCgagcac.....	6	1	S01
.....uugacagagaagagagugagUac.....	1	1	S01
.....uugacacAAagagagugagcac.....	1	1	S01
.....uugacagagaagaUagugagcac.....	1	1	S01
.....uugacagagaagagagugagcac.....	754	0	S01
.....uugacagagaagagagugagcacac.....	1	0	S01
.....uugacagagaagagagugagcacC.....	10	1	S01
.....uugacagagaagagagugagcacG.....	2	1	S01
.....uugacagagaagagagugagcacU.....	13	1	S01
.....uugacagagaagagagugagcacacC.....	1	1	S01
.....ugacagagaagagagugagU.....	21	1	S01
.....Ggacagagaagagagugagc.....	1	1	S01
.....ugacagaaaAagagugagc.....	2	1	S01
.....ugGcagaagagagugagc.....	1	1	S01
.....uCaCagaagagagugagc.....	1	1	S01
.....ugacagagaagagagugagA.....	3	1	S01
.....ugacagagaagagGgugagc.....	2	1	S01
.....ugacagagGgagagugagc.....	1	1	S01
.....ugacagagaagagagugGgc.....	1	1	S01
.....ugacGgaagagagugagc.....	2	1	S01
.....ugacagagaagagagugagc.....	152	0	S01
.....Agacagagaagagagugagc.....	1	1	S01
.....ugUcagaagagagugagc.....	1	1	S01
.....ugaGagaagagagugagc.....	1	1	S01
.....ugacUgaagagagugagc.....	1	1	S01
.....ugacagagaagagagCgagc.....	3	1	S01
.....ugacagagaagagagCgagca.....	1	1	S01
.....Ggacagagaagagagugagca.....	2	1	S01
.....Cgacagagaagagagugagca.....	2	1	S01
.....ugacagagaagagagugagcG.....	6	1	S01
.....ugacagagaagCgagugagca.....	1	1	S01
.....ugacagagaagagGgugagca.....	1	1	S01
.....ugacagagaagagagugagcU.....	5	1	S01
.....ugacagagaagagagugagca.....	164	0	S01
.....ugacagagaagGgagugagca.....	1	1	S01
.....ugacagagaagagagugGgca.....	2	1	S01
.....ugaGagaagagagugagca.....	1	1	S01
.....ugaUagaagagagugagcac.....	2	1	S01
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## Mature

## Star

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## Mature

## Star

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## Mature

## Star

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## Mature

## Star

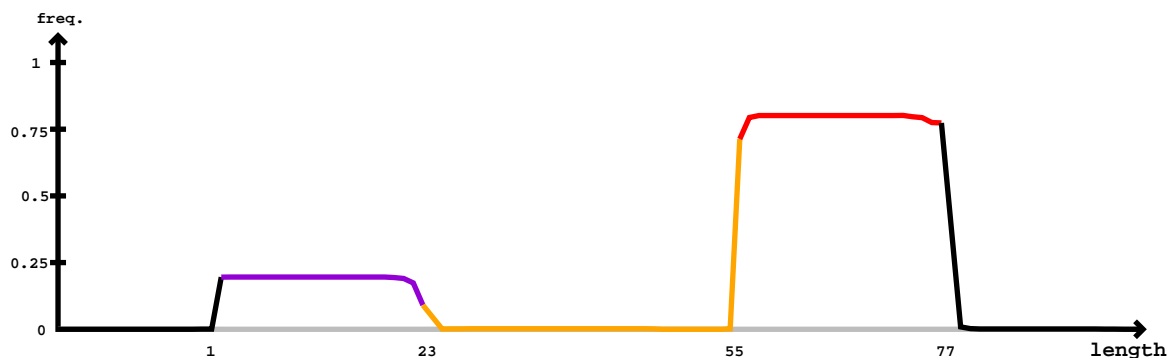
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## Mature

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.....gcucacuuucuuucugucagc.....	18	0	S02
.....gcucaAuucuuucugucagc.....	1	1	S02
.....gcucacuuucuuucugucagcu.....	10	0	S02
.....gcucCcuucuuucugucagcu.....	1	1	S02
.....gcucacuuucuuucugucagcC.....	2	1	S02
.....gcucacuuucuuucugucagcA.....	1	1	S02
.....ucacuuucuuucugucag.....	1	0	S02
.....cacuuucuuucugucag.....	1	1	S02

[illegible]

## Mature



## Star

## Mature

gguggaaguuuuugguauaggagggaauugggcaagacuauccuuugaucgguugaugaggcuaaaaguuuuucccaacaccccccauaccguugauuuucccucuacuccu			
.....uauaggagggaauugggcaaCacu.....	1	1	S01
.....uauaggagggaauugggcaagacu.....	69	0	S01
.....uauaggagggaauugggcaagacuG.....	1	1	S01
.....uauaggagggaauugggcaagacuU.....	1	1	S01
.....uauaggagggaauugggcaagacuCucc.....	1	1	S01
.....auggagggaauugggcaagac.....	1	0	S01
.....uauccuuugaucgguugCugaggcu.....	1	1	S01
.....ccuuugaucgguugaugaggcu.....	1	0	S01
.....uuuuCcccaacaccccccauacc.....	1	1	S01
.....uuuuucccaacaccccccauacc.....	1	0	S01
.....uuuuucccaacacccccca.....	10	0	S01
.....uuuuucccaacaccccccau.....	1	1	S01
.....uuuuucccaacaccccccau.....	4	0	S01
.....uuuuucccaacaccccccaua.....	27	0	S01
.....uuuucUcaacaccccccaua.....	1	1	S01
.....uuuuucccaaGaccccccauac.....	1	1	S01
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.....uuuuucccGacaccccccauacc.....	5	1	S01
.....uuuuucccaacaccccAcauacc.....	2	1	S01
.....uuGucccaacaccccccauacc.....	1	1	S01
.....uuuuucccaacaccccccaCacc.....	1	1	S01
.....uuuuUccaacaccccccauacc.....	1	1	S01
.....Nuuuucccaacaccccccauacc.....	1	1	S01
.....uuuuucccaacacccccCuacc.....	1	1	S01
.....uuuuucccaacaccccAccauacc.....	2	1	S01
.....uuuuucccaacacGccccauacc.....	1	1	S01
.....uuuuucccaacaccccccauUcc.....	6	1	S01
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.....uuuuucccaacaccccccauaccgG.....	1	1	S01
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.....uuuuucccaacaccccccauaccguC.....	1	1	S01
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.....uuuuucccaacaccccccauacc.....	87	0	S01
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## Star

## Mature

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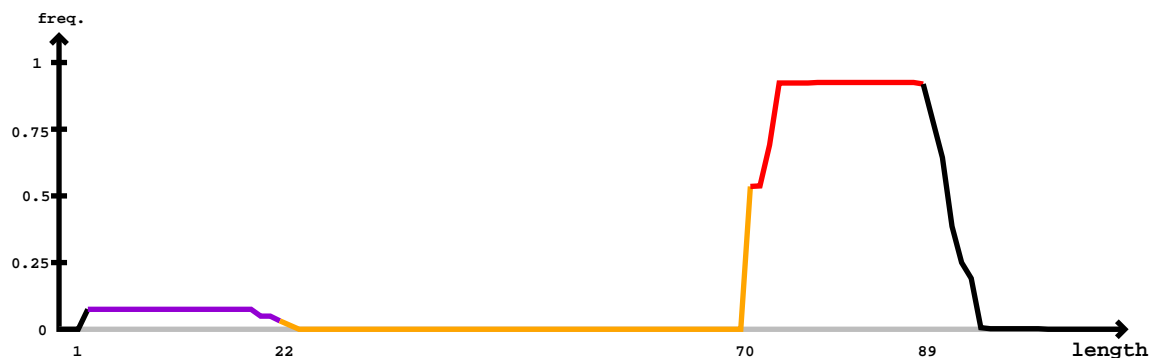
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.....Guucccaacaccccccauacc.....	2	1	S01
.....uuucccaacaccccccauacU.....	22	1	S01
.....uuucccaacacAcccccauacc.....	1	1	S01
.....uuucccaacaccccccaGacc.....	1	1	S01
.....uuucAcaacaccccccauacc.....	1	1	S01
.....uuucccaacaccccccauaccg.....	2	0	S01
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.....uuUccaacaccccccauaccgu.....	4	1	S01
.....uucccaacaccUcccauaccgu.....	3	1	S01
.....uuUccaacaccccccauaccguu.....	1	1	S01
.....gguauggagggaauugggcaag.....	1	0	S02
.....uauggagggaauugggcaU.....	1	1	S02
.....uauggagggaauugggcaag.....	2	0	S02
.....uauggagggaauugggcaaga.....	7	0	S02
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.....uauggagggaauugggGaaagac.....	1	1	S02
.....uauggagggaauugggcaagacC.....	5	1	S02
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.....uauggagggUuugggcaagacu.....	1	1	S02
.....uauggagggaauugggcaagaUu.....	3	1	S02
.....uauggagggaauugggcaagacA.....	3	1	S02
.....uauggagggaauugggcaagacuC.....	1	1	S02
.....uauggagggaauugggcaagacuU.....	1	1	S02
.....uuugauccguugaugaggA.....	1	1	S02
.....uuugauccguugaugaggcu.....	1	0	S02
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.....uuuuucccaaAaccccccauacc.....	1	1	S02
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.....Cuuuucccaacaccccccauacc.....	2	1	S02
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.....uuuuucccaacaccccccauacG.....	12	1	S02
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.....uuuuucccaacaccccccauGcc.....	1	1	S02
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.....uuuuucccaacaccccccauacU.....	5	1	S02
.....uuuuucccaacaccccccauacG.....	2	1	S02
.....uuuuucccaacaccccccauacA.....	3	1	S02
.....uuuuucccaacacccccAcauacc.....	1	1	S02
.....uuucccaGcaccccccauacc.....	1	1	S02

## Star

## Mature

gguggaaguuuuugguauggagggauugggcaagacuauccuuugauccguugaugaggcuaaaaguuuuucccaacaccccccauaccguugauuuucccucuaucucu			
.....uuCcccaacaccccccauacc.....	1	1	S02
.....uucccaacaccccccauacc.....	1	0	S02
.....uucccaacacccUcccauacc.....	1	1	S02
.....uucccaacacccUcccauaccgu.....	2	1	S02
.....uucccaacaccccccauaccgu.....	1	0	S02
.....auaccguugauuuucccucua.....	1	0	S02
.....ccguugauuuucccucuauc.....	1	0	S02

5' UTR of the 18S rRNA of the green alga *Chlamydomonas reinhardtii*. The structure is shown as a 3D ribbon diagram with various colored loops and stems. The 5' end is labeled '5' and the 3' end is labeled '3'.



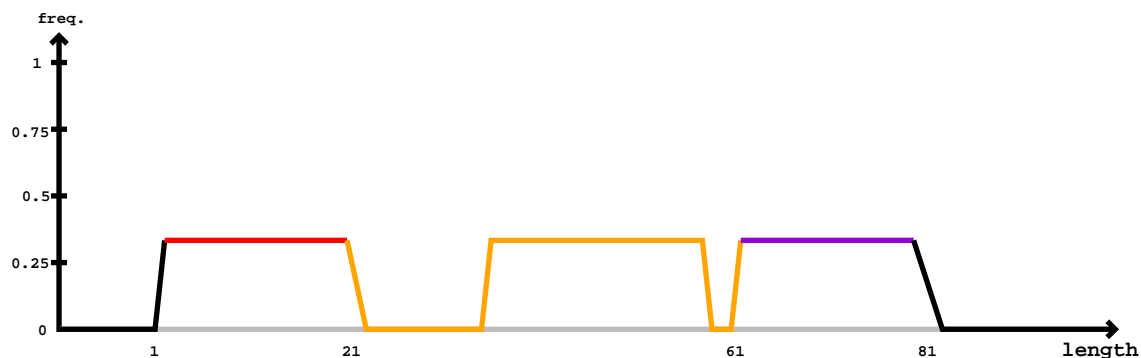
## Mature

## Star

## Mature

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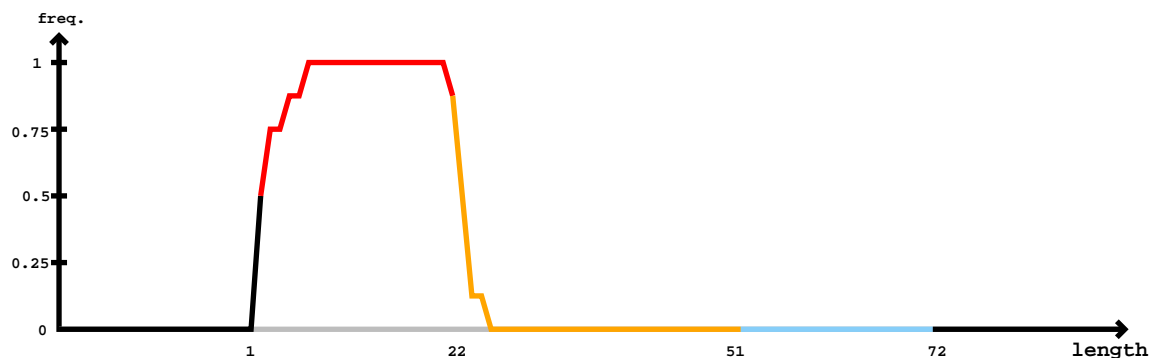
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.....uugauggGucc <u>uuau</u> agggg.....	1	1	S01
.....uugauggauc <u>cuua</u> uagggg.....	22	0	S01
.....uugauggauc <u>cuua</u> uagggG.....	1	1	S01
.....uugauggauc <u>cuua</u> uaggggua.....	18	0	S01
.....ugauggauc <u>cuua</u> uagggg.....	11	0	S01
.....ugauggauc <u>cuua</u> agggA.....	1	1	S01
.....ugauggauc <u>cuua</u> uaggggG.....	1	1	S01
.....ugauggauc <u>cuua</u> uAagguag.....	1	1	S01
.....ugauggGucc <u>uuau</u> agggguag.....	1	1	S01
.....ugauggauc <u>cuua</u> uagggAag.....	1	1	S01
.....ugauggauc <u>cuua</u> uagggguaA.....	2	1	S01
.....ugauggauc <u>cuua</u> uagggguag.....	43	0	S01
.....ugauggauc <u>cu</u> Cauagggguag.....	1	1	S01
.....ugauggauc <u>cuua</u> uagCguag.....	1	1	S01
.....ugauggauc <u>cu</u> Gauagggguag.....	1	1	S01
.....ugauggauc <u>cuua</u> uagggguagu.....	2	0	S01
.cuaua <u>aacgaccc</u> caucaaaG.....	2	1	S02
.cuaua <u>aacgaccc</u> cauaaa.....	5	0	S02
.cuaua <u>aacgaccc</u> cauaaaag.....	3	0	S02
.cuauaG <u>c</u> gaccccauaaaaga.....	1	1	S02
.cuaua <u>aacgaccc</u> cauaaaaga.....	5	0	S02
.....uuuugauggauc <u>cuua</u> a.....	1	0	S02
.....uuuugauggauA <u>cuua</u> uag.....	1	1	S02
.....uuuugauggauc <u>cuua</u> uag.....	35	0	S02
.....uuuugauggauc <u>cuua</u> aA.....	2	1	S02
.....uuuugauggauc <u>cu</u> Cuag.....	1	1	S02
.....uuuugauggauc <u>cuua</u> uagg.....	1	0	S02
.....uuuugauggauc <u>cuua</u> uagggA.....	4	1	S02
.....uuuugauggauc <u>cuua</u> uaggU.....	1	1	S02
.....uuuugauggauc <u>cuua</u> uagCg.....	2	1	S02
.....uuuugauggauc <u>cuua</u> uaggg.....	35	0	S02
.....uugauggauc <u>cuua</u> uagg.....	2	0	S02
.....uugauggauG <u>cuua</u> uagggg.....	1	1	S02
.....uugauggauc <u>cuua</u> uagggg.....	11	0	S02
.....uugauggauc <u>cuua</u> uagggG.....	2	1	S02
.....uugauggauc <u>cuua</u> uagggC.....	2	1	S02
.....uugauggauc <u>cuua</u> uaggggU.....	1	1	S02
.....uugauggauc <u>cuua</u> uaggggua.....	10	0	S02
.....ugauggauc <u>cuua</u> uagggg.....	4	0	S02
.....ugauggauc <u>cuua</u> uagggG.....	2	1	S02
.....ugauggauc <u>cuua</u> uagggC.....	2	1	S02
.....ugauggauc <u>cuua</u> uagggA.....	1	1	S02
.....ugauggauc <u>cuua</u> uagggguag.....	39	0	S02
.....uAauggauc <u>cuua</u> uagggguag.....	1	1	S02
.....ugauggauc <u>cuua</u> uaggggG.....	1	1	S02
.....ugaGgggauc <u>cuua</u> uagggguag.....	1	1	S02
.....ugGuggauc <u>cuua</u> uagggguag.....	1	1	S02
.....ggaucc <u>uuau</u> agggguaguuggg.....	1	0	S02



Star

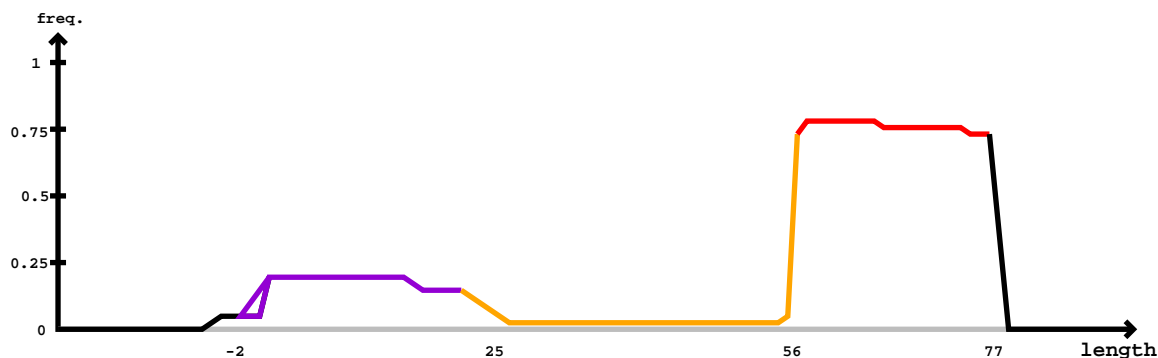
5' -	uguaaucaaa <u>uguaguugcugugaucg</u> uauguuuggguuagaggcgggggugucagaaa <u>uuuuuccuugcgacgauauaugcucugcuu</u> ggau guccacu uucauaugu	-3'	obs
	uguaaucaaa <u>uguaguugcugugaucg</u> uauguuuggguuagaggcgggggugucagaaa <u>uuuuuccuugcgacgauauaugcucugcuu</u> ggau guccacu uucauaugu		exp
	..(((((((.((((.(.....(((((((((.(((((((.....))))). ....)))...)).)))).))))....)).))))).....	reads	mm
	..... <u>uguaguugcugugaucg</u> uaug.....	1	0
	..... <u>.gacgauauaugcucugcuC</u> .....	1	1
	.....gggggugucagaaa <u>uuuuuccu</u> .....	1	0
			S01
			S01
			S02





Star



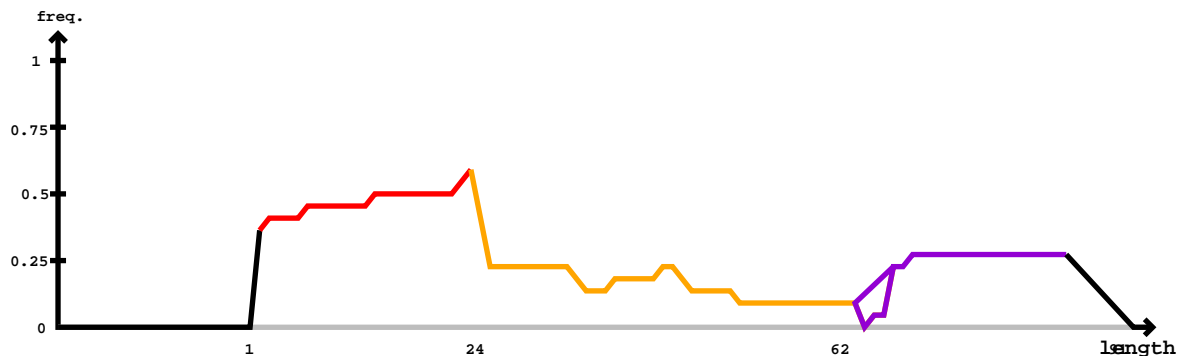
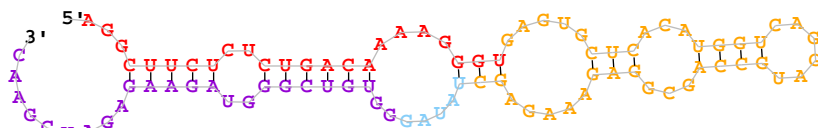


## Mature

[illegible]



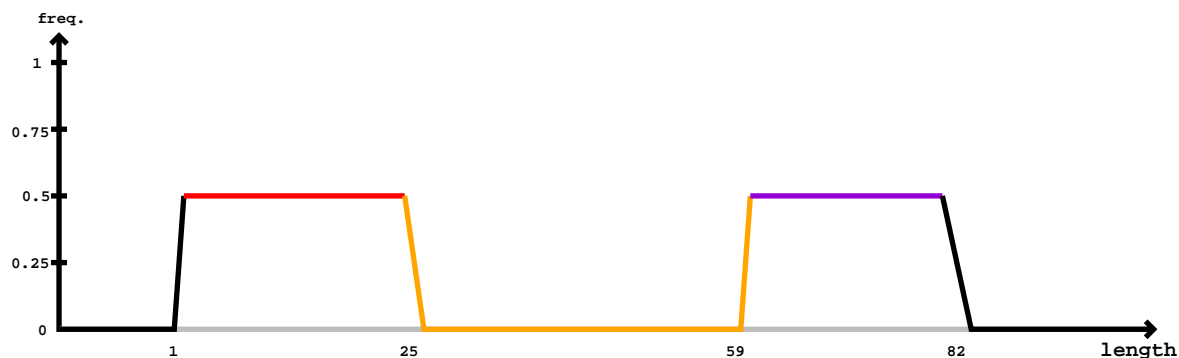
Provisional ID : Maple\_Unigene\_BMK.21056\_57975  
Score total : 1.8  
Score for star read(s) : -1.3  
Score for read counts : 0  
Score for mfe : 0.1  
Score for randfold : 0  
Score for cons. seed : 3  
Total read count : 20  
Mature read count : 9  
Loop read count : 5  
Star read count : 6



### Mature

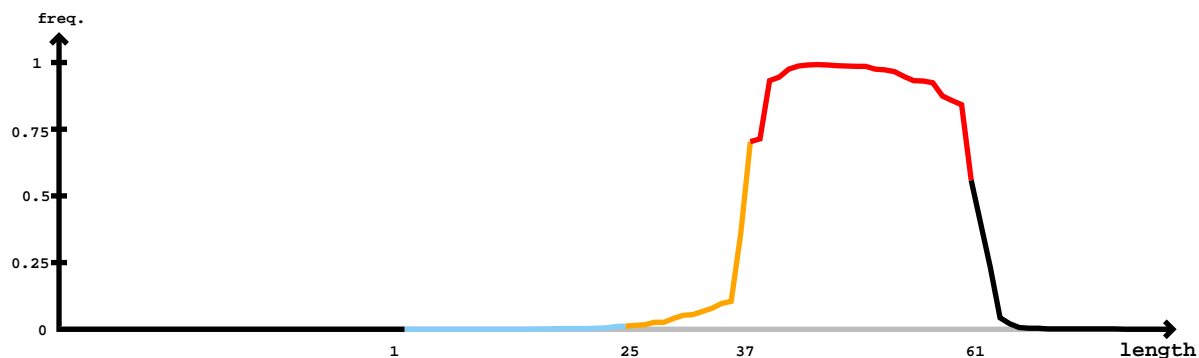
### Star

5' -	obs	reads	mm	sample
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agaaagacgaagaaggaagaggcuucucucugacaaaagggugagugcucacauaggucaggaugccagcggagaaagagcuaauaggguugucggguagaagagaucaacgaa	exp			
.....((.....(((.....(((.....(((.....(((.....)))))).....)))).....)))).....)))).....)))).....)))).....)))).....				
.....aggcuucucucugacaaaaggggu.....		2	0	S01
.....aggcuucucucugacaaaagAgu.....		1	1	S01
.....aggcuucucGcugacaaaaggggu.....		1	1	S01
.....aggcuucCucugacaaaaggggu.....		1	1	S01
.....aggcuucucucugacaaaagggguA.....		1	1	S01
.....ggcuucucucugacaaaaggggu.....		1	0	S01
.....ucucucugacaaaagggugagugcucacC.....		1	1	S01
.....gugagugcucacauaggucaggaC.....		1	1	S01
.....ugagugcucacauaggucaggaugccaAc.....		1	1	S01
.....gagugcucacauaggucaggaA.....		1	1	S01
.....augccagcgAagaaagagcua.....		1	1	S01
.....aggguugucggguagaagagaucg.....		1	0	S01
.....ggugucggguagaagagauc.....		1	0	S01
.....ggugucggguagaagagaucgaCc.....		1	1	S01
.....ugucggguagaagagaucgaC.....		1	1	S01
.....aggcuucucucugacaaaaggggu.....		2	0	S02
.....gacaaaaggAagagugcucac.....		1	1	S02
.....ucaggaugccagcgAagaaagagcua.....		1	1	S02
.....ggugucggguagaagagaucgaCc.....		2	1	S02



Star

[illegible]



## Mature

[illegible]

## Star

## Mature

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.....Ggugaauuccggaccaaugacaagg.....	1	1	S01
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.....gugaauuccggaccaaugacaGggu.....	3	1	S01
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.....gugaauuccggaccaaugacaaggG.....	3	1	S01
.....gugaauuccggaccaAagacaaggu.....	1	1	S01
.....gCgaauuccggaccaaugacaaggu.....	1	1	S01
.....gugaauuccggaccaaugacaaggC.....	11	1	S01
.....gugaCuccggaccaaugacaaggu.....	1	1	S01
.....gugaauuccggaccaauAacaaggu.....	1	1	S01
.....ugaauuccAgaccaaugacaaggu.....	1	1	S01
.....ugaauuccggaccaaugacaaggug.....	1	0	S01
.....gaauuccggaccaaugacaG.....	1	1	S01
.....gaauuccggaccaaugacaGg.....	1	1	S01
.....gaauuccggaccaaugacaagg.....	3	0	S01
.....gauCccggaccaaugacaaggu.....	1	1	S01
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.....gaauuccggaccaaugacaaggug.....	4	0	S01
.....gauCccggaccaaugacaaggug.....	1	1	S01
.....gauCccggaccaaugacaaggugu.....	4	1	S01
.....gauuccggaccaaugacaaggugC.....	2	1	S01
.....gaauuccggaccaaugaaAaggugu.....	1	1	S01
.....gaauuccggaccaGugacaaggugu.....	1	1	S01
.....gaauuccggaccaaugacaGggugu.....	2	1	S01
.....gaauuccggaccaaugacaaggugu.....	26	0	S01
.....gaauuccggaccaAagacaaggugu.....	1	1	S01
.....gauCccggaccaaugacaagguguu.....	1	1	S01
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## Star

## Mature

uacagauugucuuccucuuaaaauuagggccaguuuggcaugcuuucccaguuuguuuuuuggggccaaaagugauuccggaccaaugacaagguuuuugguaagauuguagaga

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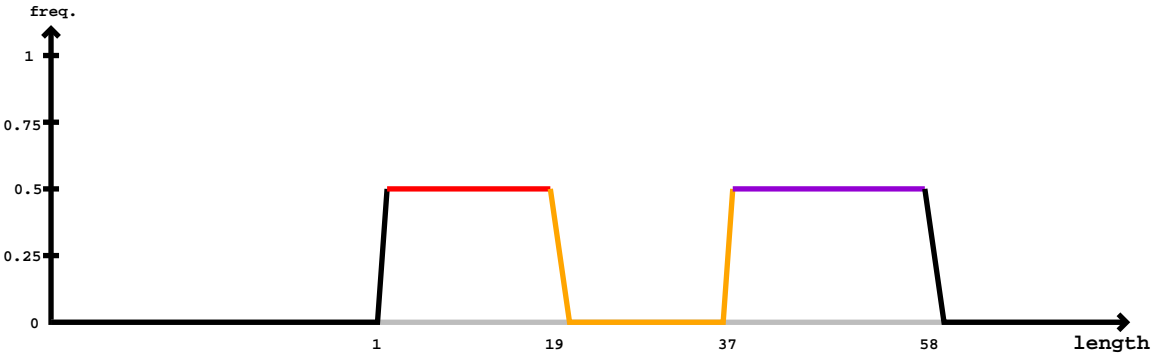
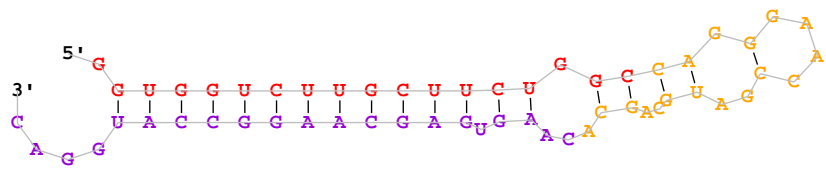
## Star

## Mature

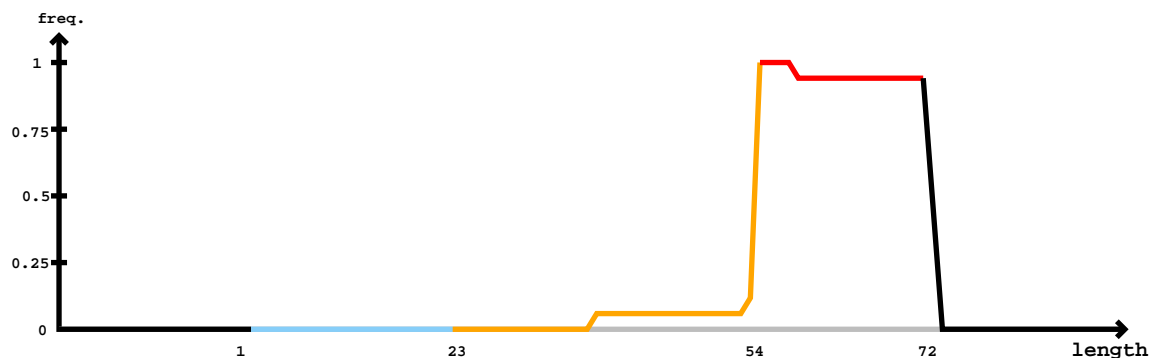
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.....uuccggaccaaugacaaggug.....	2	0	S02
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Provisional ID : Maple\_Unigene\_BMK.23022\_69686  
Score total : 2.5  
Score for star read(s) : 3.9  
Score for read counts : -4.9  
Score for mfe : 0.5  
Score for randfold : 0  
Score for cons. seed : 3  
Total read count : 2  
Mature read count : 1  
Loop read count : 0  
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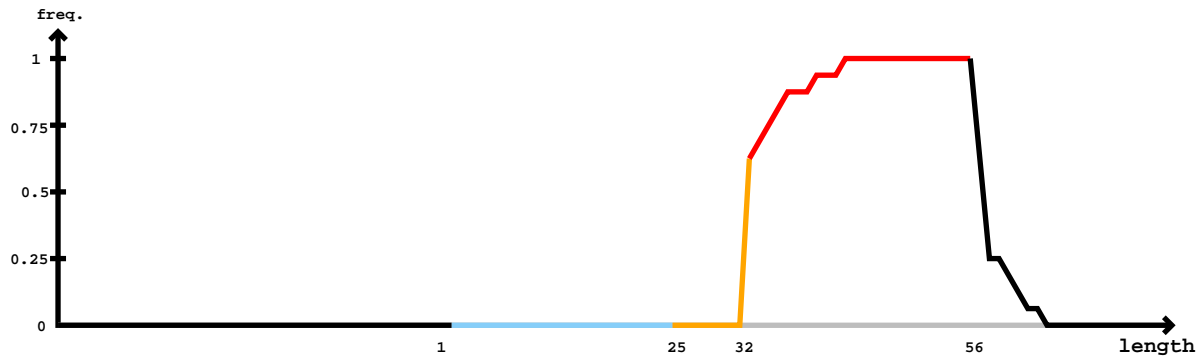
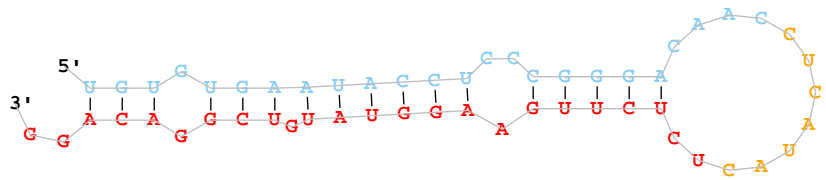
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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																



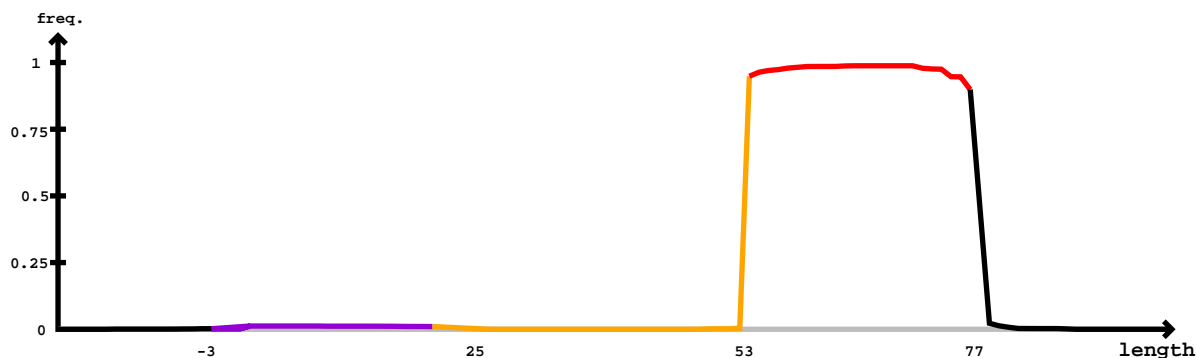
## Mature

5'-	uaugcgcaauccagccag <u>aucagacaga<u>uucg</u>cgcgaag<u>augagg</u>gagaucauggucgccaaagcaacauc<u>uuggauuuugaagga</u>uuugguccuaaagucauuccug</u>	-3'	<b>exp</b>	
	.(((.(.....(((((((..((((....((((((((((.(...)))..))))))))).....))).....)).....	<b>reads</b>	<b>mm</b>	<b>sample</b>
	.....gucgcccaaagcaacaucuugu.....	1	0	S01
	.....uugugauuuAaaggauuu.....	8	1	S01
	.....cuugugauuuugaaggauuu.....	1	0	S02
	.....uugugauuuAaaggauuu.....	7	1	S02

Provisional ID : Maple\_Unigene\_BMK.24178\_77414  
Score total : 0.5  
Score for star read(s) : -1.3  
Score for read counts : 0  
Score for mfe : -1.1  
Score for randfold : 0  
Score for cons. seed : 3  
Total read count : 15  
Mature read count : 15  
Loop read count : 0  
Star read count : 0



Star		Mature					
5' -	auccuugaucacaaacuuuuuuccuuccugaaaguaccuugugugaauaccuccgggacaaacucauacucucucugaagguaugucggacaggcggccaaaauucaggcccg	-3'	exp				
	.....((((((((.....)))))).((((((((((((((((((((((((((((((((.....)))))).)))))).)))))).((((.....)))).....	reads	mm				sample
	.....ucucuugaagguaugucggacagg.....	6	0				S01
	.....cucuugaagguauguaggacagg.....	1	1				S01
	.....aagguaugucggacaggcgca.....	1	1				S01
	.....ucucuugaagguaugucggacagg.....	4	0				S02
	.....ucuugaagguaugucggacaggc.....	1	0				S02
	.....cuugaagguaugucggacaggcgg.....	1	0				S02
	.....uugaagguaugucggacaggcggU.....	1	1				S02
	.....guaugucggacaggcgAccaa.....	1	1				S02



## Mature

[illegible]

## Star

## Mature

auauacuguguauuuuccauucaaauaacguuaugugguagaguaacuaaauucuaauuuauuuaucaugucacaugacgugauuuugaaggaagaacacgaugcaacguauugca

.....acaugacgugCuuugaauggaag.....	1	1	S01
.....acaugacgugauuuugaauggaag.....	80	0	S01
.....acauUacgugauuuugaauggaag.....	1	1	S01
.....acaCgacgugauuuugaauggaag.....	1	1	S01
.....acaugacgugGuuuugaauggaag.....	1	1	S01
.....acaugacgugGuuuugaauggaaga.....	8	1	S01
.....Ccaugacgugauuuugaauggaaga.....	1	1	S01
.....acaugacgugauuuugaGuggaaga.....	7	1	S01
.....acaugacgugCuuugaauggaaga.....	4	1	S01
.....acaugacgugauuuugaaGggaaga.....	2	1	S01
.....acaugacgugauuuugaauggaagU.....	9	1	S01
.....acaugacgugauuuugaauggaAa.....	4	1	S01
.....acaugacgugauuCgaauugaaga.....	7	1	S01
.....acaugaAgugauuuugaauggaaga.....	1	1	S01
.....acaugacguUauuuugaauggaaga.....	2	1	S01
.....Gcaugacgugauuuugaauggaaga.....	6	1	S01
.....acaugacgugauuuugaugCaaga.....	1	1	S01
.....acaugacgugaCuugaauggaaga.....	3	1	S01
.....acUugacgugauuuugaauggaaga.....	1	1	S01
.....acaugacgugauuuugaauggaagG.....	24	1	S01
.....acaugacgugauuuUaauggaaga.....	3	1	S01
.....acaugCcgugauuuugaauggaaga.....	1	1	S01
.....acaugacgugauuuAaauggaaga.....	3	1	S01
.....acaugaGgugauuuugaauggaaga.....	1	1	S01
.....acaugaUgugauuuugaauggaaga.....	2	1	S01
.....aAaugacgugauuuugaauggaaga.....	1	1	S01
.....aGaugacgugauuuugaauggaaga.....	1	1	S01
.....acaugacgugauuuugaaCggaaga.....	7	1	S01
.....acaugacgugauuuugaauggaGga.....	8	1	S01
.....acaugacgugauuuugaauggaUa.....	1	1	S01
.....Ucaugacgugauuuugaauggaaga.....	1	1	S01
.....acaAgacgugauuuugaauggaaga.....	1	1	S01
.....acaCgacgugauuuugaauggaaga.....	2	1	S01
.....acaugacgGgauuuugaauggaaga.....	3	1	S01
.....acaugacgugaAuugaauggaaga.....	3	1	S01
.....acaugacgugauCugaauggaaga.....	2	1	S01
.....acaugacgugauuuugaaugGaga.....	12	1	S01
.....acaugacgugauuGgauggaaga.....	2	1	S01
.....acaugacgugauuuugaauCgaaga.....	1	1	S01
.....acaugacguCauuuugaauggaaga.....	1	1	S01
.....acaugacgugauuuugaCuggaaga.....	2	1	S01
.....acaugacgugUuuugaauggaaga.....	2	1	S01
.....acaugacgugauuuugaauggaCa.....	3	1	S01
.....acaugacgugauuuugaauAgaaga.....	2	1	S01
.....acaugGcgugauuuugaauggaaga.....	5	1	S01
.....acaugacgCgauuuugaauggaaga.....	8	1	S01
.....acaugacAugauuuugaauggaaga.....	2	1	S01
.....acaugacgugauuuugaaugGaga.....	2	1	S01
.....acaGgacgugauuuugaauggaaga.....	4	1	S01
.....acGugacgugauuuugaauggaaga.....	4	1	S01
.....acauAacgugauuuugaauggaaga.....	2	1	S01
.....acaugacgAgaauugaauggaaga.....	1	1	S01
.....acaugacgugauuuugaauggaaga.....	1774	0	S01
.....acCugacgugauuuugaauggaaga.....	1	1	S01
.....acaugacgugauAugaauugaaga.....	3	1	S01
.....acaugacCugauuuugaauggaaga.....	1	1	S01
.....acaugacgugauuuGauggaaga.....	7	1	S01
.....acaugacgugauuuugaauUgaaga.....	1	1	S01
.....acaugacgugauuAgaauugaaga.....	3	1	S01
.....Ncaugacgugauuuugaauggaaga.....	2	1	S01
.....acaugUcgugauuuugaauggaaga.....	1	1	S01
.....acaugacgugauuuugaauggaagaA.....	3	1	S01
.....acaugacgugauuuugaauggaagau.....	18	0	S01
.....acaugacgugauuuugaauggaagaC.....	2	1	S01
.....acaugacgugauuuugaauggaagauU.....	6	1	S01
.....caugacgugauuuugaaugga.....	1	0	S01
.....caugacgugauuuugaauggaag.....	2	0	S01
.....caugacgugauuuugaauggaaga.....	9	0	S01
.....cGugacgugauuuugaauggaagau.....	1	1	S01
.....caugacgugauuuugaauggaagau.....	28	0	S01

## Star

## Mature

auauacuguguaauuuuccauucaaauaacguuaugugguagaguaacuaaauucuaauuuauuaucaugucacaugacgugauuuugaaggaagaUacacgaugcaacguaugca

.....caugacgugauuuugaaggaagaG.....	1	1	S01
.....caugacgugauuuugaaggaagaC.....	6	1	S01
.....caugacAugauuuugaaggaagau.....	1	1	S01
.....caugacgugauuuugaaggaagauU.....	2	1	S01
.....caugacgugauuuugaaggaagauC.....	1	1	S01
.....caugacgugauuuugaaggaagauG.....	1	1	S01
.....augacAugauuuugaagga.....	1	1	S01
.....augacAugauuuugaagggaa.....	1	1	S01
.....augacgugauuuugaaggaaga.....	2	0	S01
.....augacgugauuuugaaggaagau.....	2	0	S01
.....augacgugauuuugaaggaagauU.....	2	1	S01
.....augacgugauuuugaaggaagaua.....	6	0	S01
.....ugacgugauuuugaaggaaga.....	3	0	S01
.....ugacgugauuuugaaggaagauU.....	1	1	S01
.....ugacgugauuuugaaggaagauac.....	3	0	S01
.....ugacgugauuuugaaggaagauacC.....	1	1	S01
.....gacgugauuuugaaggaaga.....	1	1	S01
.....gaUgugauuuugaaggaagauac.....	1	1	S01
.....gacgugauuuugaaggaagauaU.....	1	1	S01
.....gacgugauuuugaaggaagauac.....	1	0	S01
.....gaGgugauuuugaaggaagauac.....	1	1	S01
.....gacgugauuuugaaggaagauac.....	1	1	S01
.....gaUgugauuuugaaggaagauaca.....	1	1	S01
.....gacgugauuuugaaggaagauaca.....	8	0	S01
.....gacgugauuuugaaggaagauacaA.....	1	1	S01
.....acgugauuuugaaggaaga.....	1	0	S01
.....acgugauuuugaaggaagaua.....	1	0	S01
.....acgugauuuugaaggaagauaca.....	1	0	S01
.....cgugauuuugaaggaaga.....	2	0	S01
.....cguaauuuugaaggaagauac.....	1	1	S01
.....cgugauuuugaaggaagauac.....	6	0	S01
.....gauuuugaaggaagauacacgaug.....	1	0	S01
.....auuuugaaggaagauacacgaug.....	1	0	S01
.....auuuugaaggaagauacacgaugC.....	2	0	S01
.....auuuugaaggaagauacacgaugU.....	1	1	S01
.....uuugaaggaagauacacgaug.....	2	0	S01
.....acCguguaauuuuccauucaaau.....	2	1	S02
.....auuuuccauucaaauaacguuGug.....	1	1	S02
.....uuuccauucaaauaacguuGu.....	1	1	S02
.....uuuccauucaaauaacguuGugug.....	1	1	S02
.....auucaaauaacguuGugugguaug.....	14	1	S02
.....auucaaauaacguuauugugguacG.....	2	1	S02
.....auucaaauaacguuauugugguaug.....	8	0	S02
.....augCcacaugacgugauuuugaau.....	1	1	S02
.....ugCcacaugacgugauuuugaau.....	3	1	S02
.....cacaugacgugauuuugaagga.....	2	0	S02
.....cacaugacgugauuuugaaggaag.....	5	0	S02
.....acGugacgugauuuugaau.....	1	1	S02
.....acaugacgugauuuugaacC.....	1	1	S02
.....acaugacgugauuuugaau.....	14	0	S02
.....acaugacgugGuuuugaug.....	1	1	S02
.....acaugacgugauuuugaau.....	2	0	S02
.....acaugacgugauuuugaagg.....	2	0	S02
.....acaugacgugGuuuugaagga.....	2	1	S02
.....Ucaugacgugauuuugaagga.....	1	1	S02
.....acaugacgugauuuugaauCga.....	1	1	S02
.....acaugacgugaGuugaagga.....	1	1	S02
.....acaugacgugauuuugaaggG.....	2	1	S02
.....acaugacgugauuuugaagga.....	60	0	S02
.....acauAacgugauuuugaagga.....	1	1	S02
.....acaCgacgugauuuugaagga.....	1	1	S02
.....acaugGcgugauuuugaaggaag.....	1	1	S02
.....acaugacgugauuuugaCuggaag.....	1	1	S02
.....acaugacgugauuuugaaggaag.....	110	0	S02
.....acaugacgugauuuugaaggaGg.....	2	1	S02
.....acaugacgugauuuCauggaag.....	1	1	S02
.....acaugacgugauCugaaggaag.....	1	1	S02
.....acaugacgugauuuugaaggUag.....	1	1	S02
.....acaugacgGgauuugaaggaag.....	1	1	S02

## Star

## Mature

auauacuguguauuuuccauucaaauaacguuaugugguagaguaacuaaauucuaauuuauuuaucaugucacaugacgugauuuugaaggaagaacacgaugcaacguaugca

.....acaugacgAgaauuugaauuggaag.....	1	1	S02
.....aAaugacgugauuuugaauuggaag.....	1	1	S02
.....acaugacgugauuuugaauAgaag.....	1	1	S02
.....acaugacgugauuuugaauuggaAA.....	5	1	S02
.....acaCgacgugauuuugaauuggaag.....	1	1	S02
.....acaugacgugauuuugaauAaag.....	1	1	S02
.....acaugacgugauuuugaauuggaagG.....	89	1	S02
.....acaugacgugauuuugaauUgaaga.....	1	1	S02
.....acaugacgugauuGgauggaaga.....	3	1	S02
.....acaugacgugauuuugaauuggaGga.....	8	1	S02
.....acaugacgugauuuugaauuggaAUa.....	1	1	S02
.....acaAgacgugauuuugaauuggaaga.....	1	1	S02
.....acaugacgugauuugCauggaaga.....	1	1	S02
.....acaugacgGgaauugaauuggaaga.....	1	1	S02
.....acaugacgugauuuugaauugAaaga.....	6	1	S02
.....acaugacgugauuuugaCuggaaga.....	1	1	S02
.....acaugacguUauuuugaauuggaaga.....	1	1	S02
.....acaugacgugauuuugaauuggaagU.....	16	1	S02
.....Ucaugacgugauuuugaauuggaaga.....	1	1	S02
.....acaugacgugauuuugaAAggaaga.....	2	1	S02
.....Ncaugacgugauuuugaauuggaaga.....	1	1	S02
.....acaugacgugauCugaauuggaaga.....	4	1	S02
.....aGaugacgugauuuugaauuggaaga.....	1	1	S02
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.....acaugCcgugauuuugaauuggaaga.....	1	1	S02
.....acaugacgugauuGgauggaaga.....	1	1	S02
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.....acaugacguCauuuugaauuggaaga.....	2	1	S02
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.....acaugacgugUuuugaauuggaaga.....	1	1	S02
.....acaugacgugauuuugaauuggUaga.....	1	1	S02
.....acaugacgugCuuuugaauuggaaga.....	3	1	S02
.....acaugacgugauuuugaauuggaUga.....	1	1	S02
.....acaugacgugauuuugaaGggaaga.....	2	1	S02
.....acaugaAgugauuuugaauuggaaga.....	2	1	S02
.....aUaugacgugauuuugaauuggaaga.....	4	1	S02
.....Gcaugacgugauuuugaauuggaaga.....	4	1	S02
.....acaugacgugauuuugaauuggGaga.....	7	1	S02
.....acaugacCugauuuugaauuggaaga.....	1	1	S02
.....acaugacguAAuuugaauuggaaga.....	1	1	S02
.....acaugacgugaCuugaauuggaaga.....	5	1	S02
.....acaugacgugauuuugaaCggaaga.....	5	1	S02
.....acaugaUgugauuuugaauuggaaga.....	1	1	S02
.....acaugacgugauuuugaauuggaAA.....	9	1	S02
.....acaugacUugauuuugaauuggaaga.....	1	1	S02
.....acaugacgugauGugaauuggaaga.....	2	1	S02
.....acaugacgugauuugGauggaaga.....	7	1	S02
.....acaugacgugauuuugaGuggaaga.....	9	1	S02
.....acaugacgugauuuugaauuggaagC.....	3	1	S02
.....acaugacgugauuuugaauAgaaga.....	3	1	S02
.....acaugGcgugauuuugaauuggaaga.....	7	1	S02
.....acaugacgugauuuUaauggaaga.....	6	1	S02
.....acaugacgugGuuuugaauuggaaga.....	9	1	S02
.....acaugUcgugauuuugaauuggaaga.....	1	1	S02
.....acaugacgugauuuCaauggaaga.....	1	1	S02
.....acaCgacgugauuuugaauuggaaga.....	3	1	S02
.....acaugacgCgaauugaauuggaaga.....	3	1	S02
.....acaGgacgugauuuugaauuggaaga.....	7	1	S02
.....acaugacgugauuAgaauuggaaga.....	1	1	S02
.....acaugacgugaAuugaauuggaaga.....	3	1	S02
.....acauAacgugauuuugaauuggaaga.....	2	1	S02
.....acaugacgugauuugUauggaaga.....	4	1	S02
.....acaugacgAgauuuugaauuggaaga.....	8	1	S02
.....acaugGcgugauuuugaauuggaagau.....	1	1	S02
.....acaugacguAAuuugaauuggaagau.....	1	1	S02
.....acaugacgugauuGgauggaagau.....	1	1	S02
.....acaugacgugauuuugaauuggaagaG.....	3	1	S02
.....acaugacgugauuuugaauuggaagaA.....	9	1	S02

## Star

## Mature

auauacuguguauuuuuccauucaaauaacguuuaugugguagaguaacuaaucucauuuauuuaucaugucacacgaugcgaugcaacguauugca

.....acaugacgugauAugaauggaagau.....	1	1	S02
.....acaugacgugauuugaauggaagau.....	19	0	S02
.....acaugacgugauuuugaauggaagaC.....	3	1	S02
.....acaugacgGgauuuugaauggaagau.....	1	1	S02
.....acaugacgugauuugaauggaagauU.....	1	1	S02
.....acaugacgugauuuugaauggaagauC.....	1	1	S02
.....caugacgugauuuugaaugga.....	1	0	S02
.....caugacgugauuugaauggaag.....	2	0	S02
.....caugacgGgauuuugaauggaag.....	1	1	S02
.....caugacgugauuuugaauggaaga.....	4	0	S02
.....caugacgugauuugaauggaagau.....	8	0	S02
.....caugacgugauuuugaauggaagaA.....	1	1	S02
.....caugacgugauuuugaauggaagauU.....	3	1	S02
.....augacgugauuuugaaugga.....	1	0	S02
.....augacgugauuuugaauggaagau.....	3	0	S02
.....augacgugauuuugaauggaagauU.....	2	1	S02
.....augacgugauuuugaaCggaagaua.....	1	1	S02
.....augGcgugauuuugaauggaagaua.....	1	1	S02
.....augacgCgauuuugaauggaagaua.....	1	1	S02
.....augacgugauuuugaauggaagaua.....	10	0	S02
.....ugacgugauuuugaauggaaga.....	2	0	S02
.....ugacgugauuuugaauggaagauU.....	2	1	S02
.....ugacgugauuuugaauggaagauaU.....	1	1	S02
.....ugacgugauuuugaauggaagauac.....	3	0	S02
.....gacgugauuuugaauggGagauac.....	1	1	S02
.....gacgugauuuugaauggaagauac.....	2	0	S02
.....gacgugauuuugaauggaagauacG.....	2	1	S02
.....gacgugauuuugaauggaAauaca.....	1	1	S02
.....gaUgugauuuugaauggaagauaca.....	1	1	S02
.....gacgugauuuugaauggaagauacC.....	2	1	S02
.....gacgugauuuugaauggaagauaca.....	3	0	S02
.....acgugauuuugaauggaag.....	1	0	S02
.....acgugauuuugaauggaaga.....	2	0	S02
.....acgugauuuugaauggaagau.....	2	0	S02
.....acgugaGuugaauggaagaua.....	1	1	S02
.....acgugauuuugaauggaagaua.....	3	0	S02
.....acgugauuuugaauggaagauaca.....	1	0	S02
.....acgugauuuugaauggaagauacacU.....	1	1	S02
.....cgugauuuugaauggaagaua.....	1	0	S02
.....cgugauuuugaauUgaagauac.....	1	1	S02
.....cgugauuuugaauggaagauUc.....	1	1	S02
.....cgugauuuugaauggaagauac.....	1	0	S02
.....cgugauuuugaauggaagGuac.....	1	1	S02
.....cgugauuuugauggGagauac.....	1	1	S02
.....gugauuuugaauggaagauacU.....	1	1	S02
.....auuugaauggaagauacacgaug.....	2	0	S02
.....auuugaauggaagauacacgaugc.....	3	0	S02
.....uuugaauggaagauacacgaugc.....	1	0	S02



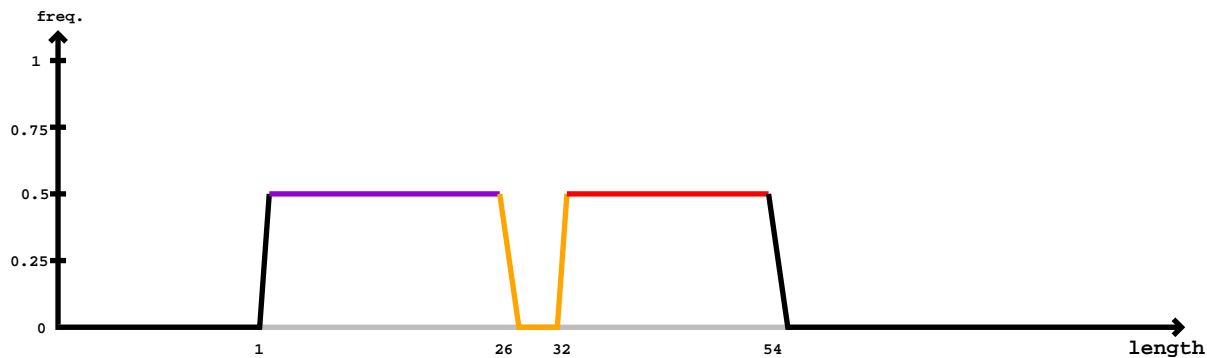
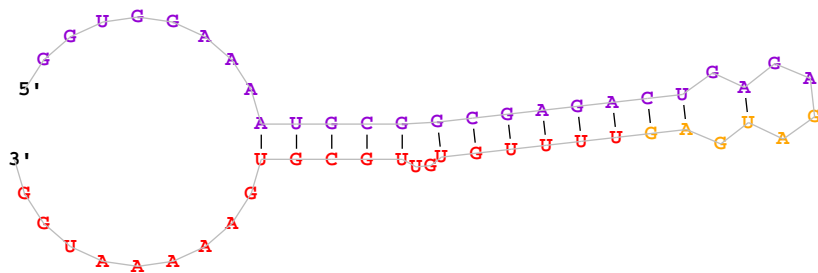
[illegible]

[illegible]



5'-	gaaagcuggggccuccaaagauuaacggaggggucuccug	<b>ucggacacaauguguaacguggucacucgugauggu</b>	<b>gauuggaauugccuuugcaucggauc</b>	gacaugaucgggguucggg	-3'	obs
	gaaagcuggggccuccaaagauuaacggaggggucuccug	<b>cggacacaauguguaacguggucac</b>	<b>cugauggu</b>	<b>gauuggaauugccuuugcaucggauc</b>	gacaugaucgggguucggg	exp
	.....((((((((.....(((((((((((((.(.(((.(((((.(((((((...)))))))).).)))))).).).)))))).).)))))))).).	reads	mm	sample		
	.....ucggacacaauguguaacG.....	1	1	S01		
	.....gauuggaauugccuuugcaucggaug.....	1	0	S01		

Provisional ID : Maple\_Unigene\_BMK.29814\_121210  
 Score total : 2.7  
 Score for star read(s) : 3.9  
 Score for read counts : -4.9  
 Score for mfe : 0.8  
 Score for randfold : 0  
 Score for cons. seed : 3  
 Total read count : 2  
 Mature read count : 1  
 Loop read count : 0  
 Star read count : 1

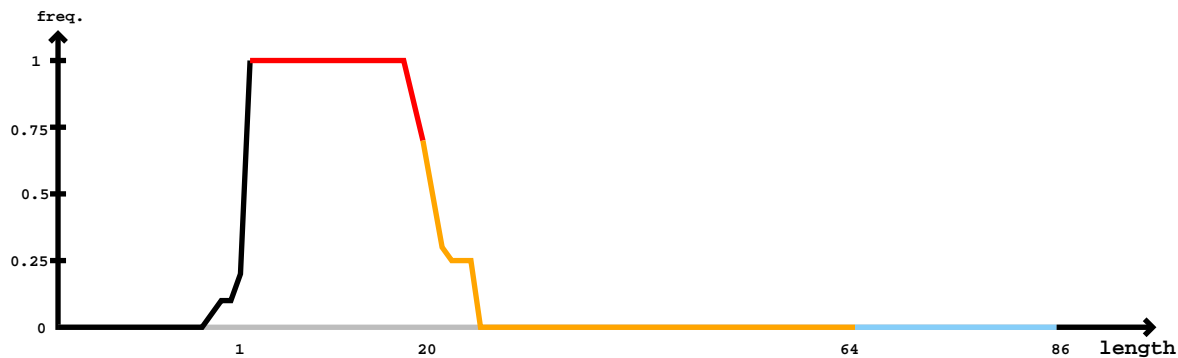
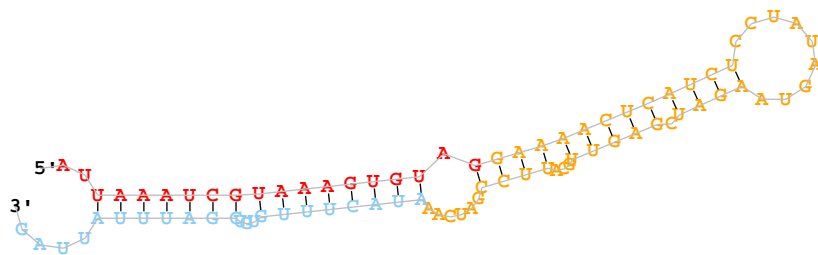


Star

Mature

5' -		-3'	obs		
	gauuugguuucguuuucggcggugggaaaaugcggcgagacugagagaugaguuuuuguguugcgugaaaaaugggauguguguuucgggagagacgcgucggcggaagcagguaggaa				
	gauuugguuucguuuucggcggugggaaaaugcggcgagacuagagagaugaguuuuuguguugcgugaaaaaugggauguguguuucgggagagacgcgucggcggaagcagguaggaa	exp			
	.....(((((((.....((.....((((((((((((((.....)))))))))))))))).....))))(((((((.....)))))))))))).....	reads	mm	sample	
	.....ggugggaaaaugcggcgagacugaga.....uuuuuguguugcgugaaaaaugg.....	1	0	S01	
	.....uuuuuguguugcgugaaaaaugg.....	1	0	S02	

Provisional ID : Maple\_Unigene\_BMK.30577\_128567  
Score total : 1.2  
Score for star read(s) : -1.3  
Score for read counts : 0  
Score for mfe : -0.4  
Score for randfold : 0  
Score for cons. seed : 3  
Total read count : 18  
Mature read count : 18  
Loop read count : 0  
Star read count : 0

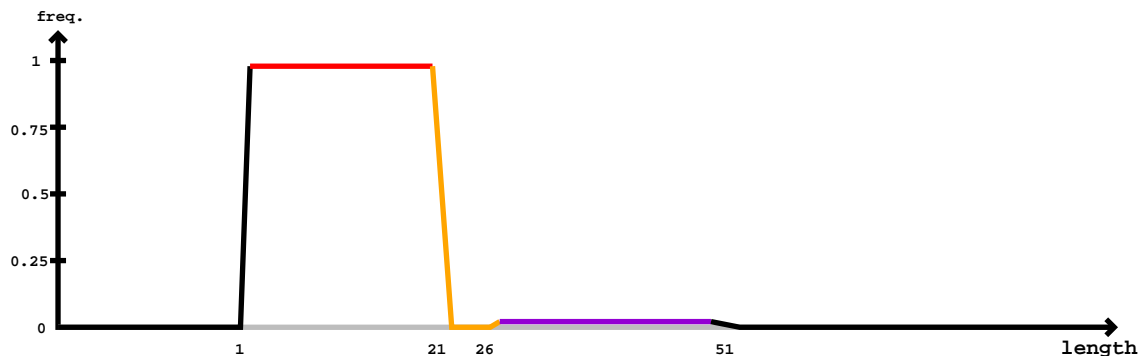
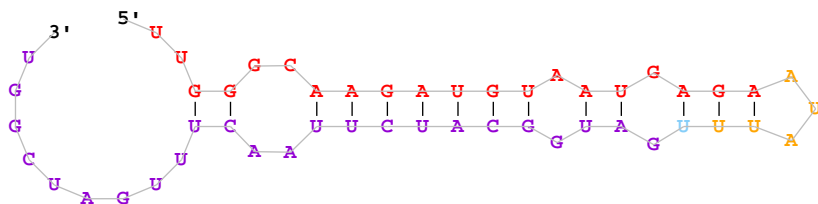


**Mature**

**Star**

5'	-3'	exp	
ucucacauuugaccguuaauuaaaucguaaaguguaggaaaaucaucuccuauaguaagaucgaguugcauuccgaucaaaauacuuugugucgauuuuuaggucguugua	reads	mm	sample
.....uuUauuaaaucguaaagugu.....	1	1	S01
.....Cauuaaaucguaaagugu.....	1	1	S01
.....aaauaaucguaaaguAuagga.....	1	1	S01
.....auuaaaucguaaaguguG.....	2	1	S01
.....auuaaaucguaaaguguGg.....	1	1	S01
.....auuaaaucguaaaguguUg.....	3	1	S01
.....auuaaaucguaaaguguAag.....	1	1	S01
.....auuaaaucguaaaguguaggaaGa.....	2	1	S01
.....auuaaaucguaaaguguGggaaaa.....	1	1	S01
.....guCaauuaaaucguaaagugu.....	1	1	S02
.....auuaaaucguaaaguguG.....	1	1	S02
.....auuaaaucguaaaguguGg.....	1	1	S02
.....auuaaaucguaaaguguGgg.....	2	1	S02
.....auuaaaucguaaaguguaggaaGa.....	2	1	S02

Provisional ID : Maple\_Unigene\_BMK.32446\_145133  
Score total : 19  
Score for star read(s) : 3.9  
Score for read counts : 18  
Score for mfe : -2.1  
Score for randfold : 0  
Score for cons. seed : -0.6  
Total read count : 47  
Mature read count : 46  
Loop read count : 0  
Star read count : 1



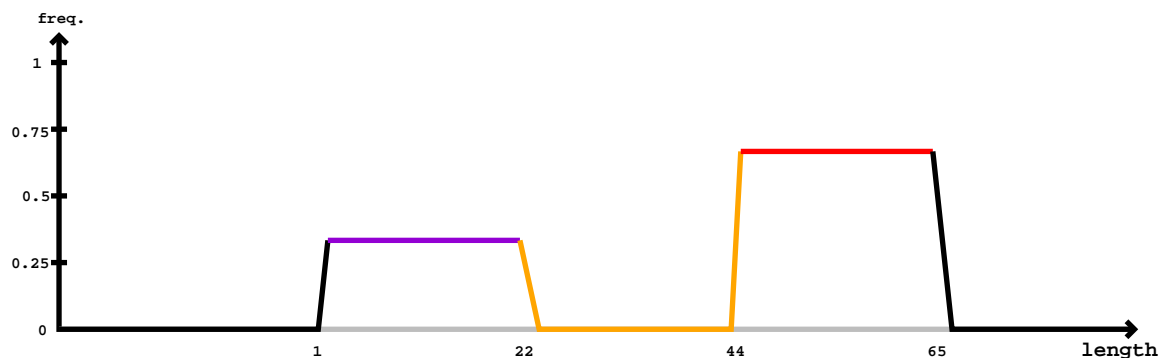
## Mature Star

5' -		-3'	obs		
			exp		
			reads	mm	sample
	aacugaggcgaugauacaa <u>uggggcaag</u> auguaa <u>augaga</u> aa <u>uuuu</u> <u>gauggc</u> aucuua <u>acuu</u> <u>ugaucgg</u> ucauguuacggguaugaucagaagaacuaccaugagcucua				
	aacugaggcgaugauacaa <u>uggggcaag</u> auguaa <u>augaga</u> aa <u>uuuu</u> <u>gauggc</u> aucuua <u>acuu</u> <u>ugaucgg</u> ucauguuacggguaugaucagaagaacuaccaugagcucua				
	..(((..(((.....((..(((.....((.....))))..))))..))..)).....))))..))..)).....(((.....))..))..				
	.....uugggcaagauguaa <u>augag</u> U.....	1	1	S01	
	.....uugggcaagauguaa <u>augag</u> C.....	1	1	S01	
	.....uugAgcaagauguaa <u>augaga</u> .....	7	1	S01	
	.....uugggcaagauguaa <u>augag</u> Ca.....	1	1	S01	
	.....uugggcaagauguaa <u>augag</u> C.....	3	1	S02	
	.....uugAgcaagauguaa <u>augaga</u> .....	23	1	S02	
	.....uugAgcaagauguaa <u>augagaa</u> .....	1	1	S02	
	.....uugggcaagauguaa <u>augag</u> Ca.....	9	1	S02	
	.....gauggc <u>aucuua</u> acuu <u>ugaucgg</u> G.....	1	1	S02	

[illegible]

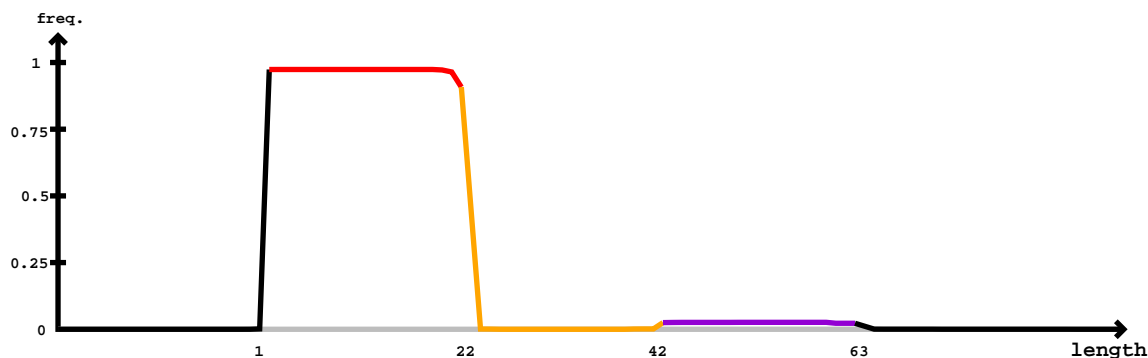






## Mature

[illegible]



Star

[illegible]

## Mature

## Star

aaaugucucagauuuuguuaaugacagaagauacugaaagcuaaauuuuuuuuuugaucauaugcguucaguuucucugucauuaaugaauucuaagacaaauaucguuga

.....ugacagaagUuacugaaagc.....	1	1	S01
.....ugacagaagauacugGaaagc.....	1	1	S01
.....ugacagaaggaGacugaaagcu.....	6	1	S01
.....ugacagaagauUcugaaagcu.....	2	1	S01
.....ugacagaagauacugaaaA <u>cu</u> .....	12	1	S01
.....Agacagaagauacugaaagcu.....	9	1	S01
.....ugacagaagauaUugaaagcu.....	4	1	S01
.....ugacagaagauCcugaaagcu.....	2	1	S01
.....ugacagaCgauacugaaagcu.....	5	1	S01
.....ugaAagaagauacugaaagcu.....	11	1	S01
.....ugCcagaagauacugaaagcu.....	3	1	S01
.....ugacagaA <u>C</u> auacugaaagcu.....	1	1	S01
.....ugacagaA <u>A</u> uacugaaagcu.....	3	1	S01
.....ugacagaagauacGgaaagcu.....	4	1	S01
.....ugacagaagauA <u>u</u> gaaagcu.....	6	1	S01
.....uAacagaagauacugaaagcu.....	12	1	S01
.....ugacGgaagauacugaaagcu.....	26	1	S01
.....ugacCgaagauacugaaagcu.....	1	1	S01
.....ugaGagaagauacugaaagcu.....	22	1	S01
.....Cgacagaagauacugaaagcu.....	19	1	S01
.....ugacagaagaCacugaaagcu.....	15	1	S01
.....ugacagaagauacuAaaagcu.....	11	1	S01
.....ugacagaagauacugaaagU <u>u</u> .....	49	1	S01
.....ugaUagaagauacugaaagcu.....	6	1	S01
.....ugacagaagCuacugaaagcu.....	2	1	S01
.....ugacagaGgauacugaaagcu.....	28	1	S01
.....ugacagaagauacugaaG <u>cu</u> .....	34	1	S01
.....ugacagaagauacugaUagcu.....	1	1	S01
.....ugacagaagaAacugaaagcu.....	3	1	S01
.....ugacagaagGuacugaaagcu.....	29	1	S01
.....ugacUgaagauacugaaagcu.....	5	1	S01
.....ugacagaUgauacugaaagcu.....	2	1	S01
.....ugacagaagauacAgaagcu.....	7	1	S01
.....ugacaCaagauacugaaagcu.....	5	1	S01
.....ugacagaagauacugaaagG.....	198	1	S01
.....ugGcagaagauacugaaagcu.....	35	1	S01
.....ugacaUaagauacugaaagcu.....	2	1	S01
.....ugacagaagauacugUaagcu.....	3	1	S01
.....ugacagaagauacugaCagcu.....	1	1	S01
.....Ngacagaagauacugaaagcu.....	5	1	S01
.....ugacagaagauaGugaagcu.....	3	1	S01
.....ugacagaagauacugaaC <u>cu</u> .....	1	1	S01
.....ugacagaagauacugaaU <u>cu</u> .....	2	1	S01
.....uCacagaagauacugaaagcu.....	4	1	S01
.....ugacagaagauacugaaaU <u>cu</u> .....	3	1	S01
.....uUacagaagauacugaaagcu.....	5	1	S01
.....ugacagaagauacugGaa <u>cu</u> .....	32	1	S01
.....ugacagGagauacugaaagcu.....	13	1	S01
.....ugacagaagauacugaaagG <u>u</u> .....	1	1	S01
.....ugacagaagauacugaGagcu.....	19	1	S01
.....ugacagaA <u>U</u> auacugaaagcu.....	2	1	S01
.....ugacagaagauacuCaaagcu.....	2	1	S01
.....ugacagaagauacugaaaC <u>cu</u> .....	5	1	S01
.....ugacagaagUuacugaaagcu.....	5	1	S01
.....ugacagaagauacugaaagA <u>u</u> .....	3	1	S01
.....ugacagaagauGcugaaagcu.....	15	1	S01
.....Ggacagaagauacugaaagcu.....	8	1	S01
.....ugacagUagauacugaaagcu.....	2	1	S01
.....ugacagaagauacugCaagcu.....	10	1	S01
.....ugacagaagauacCgaaagcu.....	17	1	S01
.....ugacagaagauacugaaagC <u>A</u> .....	272	1	S01
.....ugacaAaagauacugaaagcu.....	10	1	S01
.....ugacagaagauacugaaagC <u>C</u> .....	818	1	S01
.....ugUcagaagauacugaaagcu.....	4	1	S01
.....ugacagaagauacugaaagcu.....	6281	0	S01
.....ugacagaagauacugaaagC <u>Ca</u> .....	1	1	S01
.....ugacagaagauacugaaagC <u>U</u> .....	108	1	S01
.....ugGcagaagauacugaaagc <u>ua</u> .....	1	1	S01
.....ugacagaagauacugaaagc <u>ua</u> .....	8	0	S01
.....ugacagaagGuacugaaagc <u>ua</u> .....	1	1	S01

## Mature

## Star

aaaugucugauuuuguuaaugacagaagauacugaaagcuaaauuuuuuuuuugaucauaugcguucaguuuucucugucauuaaugaauucuaagacaaauaucguuga

.....ugacagaagauacugaaagcuG.....	4	1	S01
.....ugacagaagauacugaaagcuC.....	14	1	S01
.....ugacagaagauacugaaagUua.....	3	1	S01
.....ugacagaagauacCgaaagcua.....	1	1	S01
.....ugacagaagauacugaaagcuaC.....	1	1	S01
.....ugacagaagauacugaaagcuaau.....	1	0	S01
.....ugacagaagauacugaaagcuaUu.....	2	1	S01
.....gacagaagauacugaaagc.....	1	0	S01
.....augcguucaguuuucGcugucauu.....	1	1	S01
.....augcguucaguuuucucugucauu.....	5	0	S01
.....augcAuucaguuuucucugucauu.....	1	1	S01
.....ugcguucaguuuucucugucauC.....	1	1	S01
.....ugcguucaguuuucucugucauu.....	1	0	S01
.....cguucaguuuucucuguc.....	29	0	S01
.....cguucaguuuucucuguU.....	2	1	S01
.....cAuucaguuuucucuguc.....	6	1	S01
.....cguucaguuuucUuguc.....	1	1	S01
.....cguucaguuuUucuguc.....	1	1	S01
.....cguucagCauuucucuguc.....	1	1	S01
.....cguucaguuuucUgugucauu.....	1	1	S01
.....cguucaguuuucucugucauC.....	9	1	S01
.....cguucaguuuGcucugucauu.....	1	1	S01
.....cguucagAuucucugucauu.....	1	1	S01
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.....cguucaguuuucucugucGuu.....	1	1	S01
.....cAuucaguuuucucugucauu.....	80	1	S01
.....cguucaguuuucucugucauA.....	1	1	S01
.....cguucaguuuucucugucauuG.....	1	1	S01
.....Auucaguuuucucugucauu.....	4	1	S01
.....uucaguuuucucugucauu.....	1	0	S01
.....uucaguuuucucugucauC.....	1	1	S01
.....auucucugucauuaaugGauu.....	1	1	S01
.....auucucugucauuaaugaaau.....	1	0	S01
.....auucucugucauuaaugaaauucua.....	1	0	S01
.....aaugacagaagauacCgaaag.....	1	1	S02
.....aCugacagaagauacugaaagcu.....	1	1	S02
.....augacagaagauacugaaagc.....	5	0	S02
.....augacagaagauacugaaagU.....	1	1	S02
.....augacagaagauacugaaagcC.....	1	1	S02
.....augacagaagauacugaaagcu.....	2	0	S02
.....augacagaagauacCaaagcu.....	1	1	S02
.....augacCgaagauacugaaagcu.....	1	1	S02
.....ugacagaagauacugaaU.....	3	1	S02
.....ugacaUaagauacugaaa.....	1	1	S02
.....ugacagaagauacugaaa.....	11	0	S02
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.....ugacagaagauacugaaagc.....	256	0	S02
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.....ugacagaCgauacugaaagc.....	1	1	S02
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.....ugacagaagauacCgaaagc.....	1	1	S02

## Mature

## Star

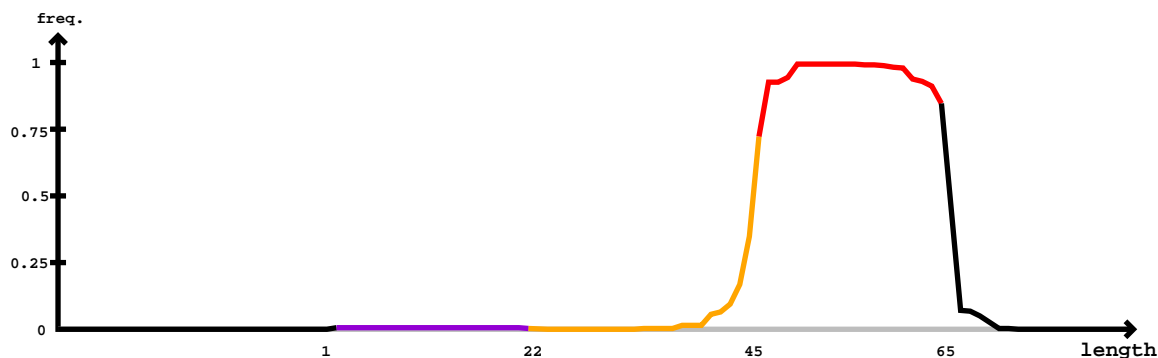
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.....ugacagaagauacCgaaagcu.....	.....ugacagaGgauacugaaagcu.....	.....ugacagaaCauacugaaagcu.....	.....ugacagaagauacAgaagcu.....	.....ugacagaagauacuUaaagcu.....
.....ugacagaagauacugaaCgcu.....	.....ugaGagaagauacugaaagcu.....	.....ugacagaagauCcugaaagcu.....	.....ugacagaagauUcugaaagcu.....	.....ugacagaagCuacugaaagcu.....
.....ugacagGgaauacugaaagcu.....	.....ugacagaagaGacugaaagcu.....	.....ugacagaagauacugaaagcC.....	.....ugacagaUauacugaaagcu.....	.....ugacagaagauacugaaaAcu.....
.....ugacagaagauacugaaagGu.....	.....Agacagaagauacugaaagcu.....	.....ugacCgaagauacugaaagcu.....	.....ugacagaagauacugaGagcu.....	.....ugacagaagauacugaCagcu.....
.....ugacUgaagauacugaaagcu.....	.....ugacagaagauacugCaagcu.....	.....uCaagaagauacugaaagcu.....	.....Ggacagaagauacugaaagcu.....	.....ugacagUagauacugaaagcu.....
.....ugacaCaagauacugaaagcu.....	.....ugacagaagauacugaaagUu.....	.....ugacagaaAauacugaaagcu.....	.....uUacagaagauacugaaagcu.....	.....Ngacagaagauacugaaagcu.....
.....ugacagaagauacugaaagAu.....	.....ugCcagaagauacugaaagcu.....	.....ugacagaagaCacugaaagcu.....	.....ugacagaagauacugaaaUcu.....	.....ugacagaUgauacugaaagcu.....
.....ugacaUaagauacugaaagcu.....	.....ugacagaagauacugUaagcu.....	.....ugacaAaagauacugaaagcu.....	.....ugacagaagauaGugaaagcu.....	.....ugacagaagauacuAaaagcu.....
.....ugacagaagauacugaaGgcu.....	.....ugacagaagauaAugaaagcu.....	.....ugacagaagUuacugaaagcu.....	.....ugaUagaagauacugaaagcu.....	.....ugacagaagauacugaaagcA.....
.....uAacagaagauacugaaagcu.....	.....ugacagaagauacugaaagcG.....	.....Cgacagaagauacugaaagcu.....	.....ugaAgaagauacugaaagcu.....	.....ugacagaagauGcugaaagcu.....
.....ugGcagaagauacugaaagcu.....	.....ugacagaagauacugGaaagcu.....	.....ugacagaagauacGgaaagcu.....	.....ugGcagaagauacugaaagcu.....	.....ugacagaagauacugGaaagcu.....
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.....ugacagaagauacugaaagUua.....	.....ugacagaagauacugaaagcuG.....	.....ugacagaagauacugaaagcuua.....	.....ugacagaagauacugaaagcuU.....	

## Mature

## Star

aaaugucuagauuuuguuaaugacagaagauacugaaagcuaauuuuuuuuuugaucauaugcguucaguuuucucugucauuuaaugaauucuaagacaaauaucguuga

.....ugacagaagauacugaaagcuC.....	9	1	S02
.....ugacagaagauacugaaagcuUa.....	1	1	S02
.....ugacagaagauacugaaagcuU.....	1	1	S02
.....ugacagaagauacugaaagcuaaG.....	1	1	S02
.....ugacagaagauacugaaagcuauu.....	4	0	S02
.....ugacagaagauacugaaagcuUuu.....	1	1	S02
.....ugacagaagauacugaaagcuauuu.....	1	0	S02
.....augcAuucaguuuucucuguc.....	1	1	S02
.....augcguucaguuuucucugucau.....	1	0	S02
.....augcguucaguuuucucugucauu.....	6	0	S02
.....augcAuucaguuuucucugucauu.....	1	1	S02
.....cguucaguuuucucuguc.....	9	0	S02
.....cAuucaguuuucucuguc.....	2	1	S02
.....cguucaguuuucucuguU.....	2	1	S02
.....cguucaguuuucugugucauu.....	1	1	S02
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.....cguucaguuuucucugucauC.....	7	1	S02
.....cguGcaguuuucucugucauu.....	1	1	S02
.....cCuucaguuuucucugucauu.....	1	1	S02
.....cguucaguuuucucugucauG.....	2	1	S02
.....cguucagAuuuucucugucauu.....	2	1	S02
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.....Auucaguuuucucugucauuu.....	1	1	S02
.....uucaguuuucucugucauuuA.....	1	1	S02
.....uucaguuuucucugucauuuu.....	1	0	S02
.....uucaguuuucucugucauuuuuU.....	1	1	S02
.....ucaguuuucucugucauu.....	1	0	S02
.....augaauuucuaagacaaauauc.....	1	0	S02



## Mature

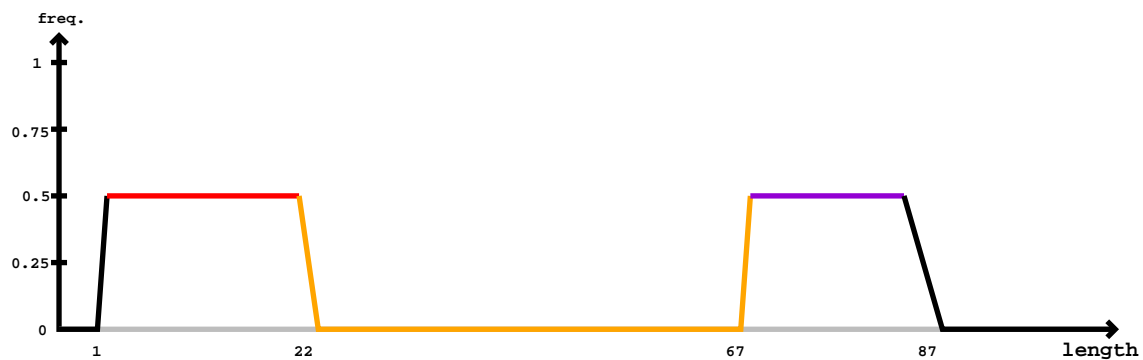
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## Star

## Mature

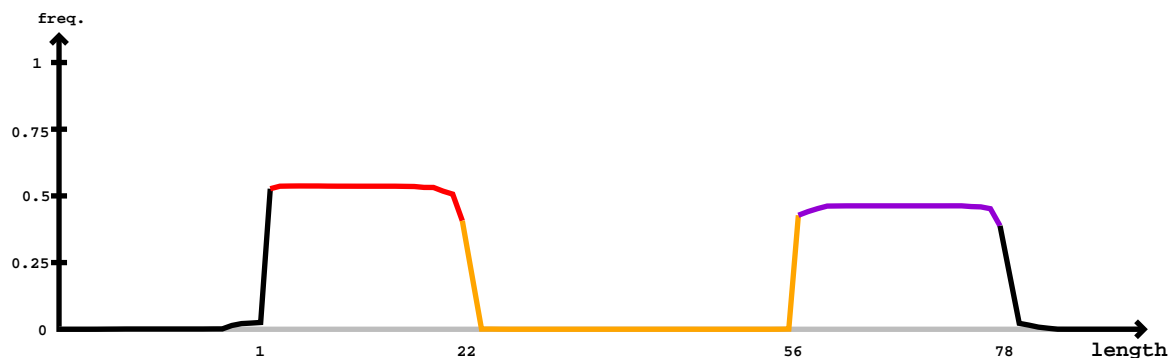
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.....	uu	augauuu	aaaggcu	aaagcu	G	.....	14	1	S02						
.....	uu	augauuu	aaaggcu	aaagcu	Uu	.....	1	1	S02						
.....	u	augauuu	aaaggcu	aaagcu	Cu	.....	1	1	S02						
.....	u	augauuu	aaaggcu	aaagcu	Gu	.....	44	1	S02						
.....	u	augauuu	aaaggcu	aaagcu	au	.....	1	0	S02						
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.....	u	gauuuu	aaaggcu	aaagcu	Cua	.....	1	1	S02						
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.....	a	uuuu	aaaggcu	aaagcu	Guagu	.....	5	1	S02						
.....	a	uuuu	aaaggcu	aaagcu	Guagua	.....	1	1	S02						
.....	u	uuu	aaaggcu	aaagcu	Guagu	.....	1	1	S02						
.....	u	uuu	aaaggcu	aaagcu	Guagua	.....	5	1	S02						
.....	u	uuu	aaaggcu	aaagcu	Guaguaa	.....	5	1	S02						
.....	u	uuu	aaaggcu	aaagcu	Guaguaauu	.....	1	1	S02						





Star

[illegible]



Star

5' -	3'	obs	
		exp	
ggauuuuggggaagguuuuggugugugggugguuaggggaagauaacuaacuaguuugaauauguuaaggguuuuguuuaucuuucccuacuccacccaugcccauaguuuuucccauc			
ggauuuuggggaagguuuuggugugugggugguuaggggaagauaacuaacuaguuugaauauguuaaggguuuuguuuaucuuucccuacuccacccaugcccauaguuuuucccauc			
.....(((((((.(.(((((((((((((((.(((((((((((((((.(((((.(((((.(.....)))))).).)).)).)))))))))).).)))))))).).).))))))..	reads	mm	sample
.auuuuggggaagguuuuggugugug.....	1	1	S01
..uuuuuggggaagguuuugguguguggg.....	1	0	S01
..uuuuuggggaagguuuugguguggggu.....	1	0	S01
...uuuggggaagguuuuggugugggA.....	1	1	S01
..uuuggggaagguuuugguguguggg.....	1	0	S01
...uuggggaagguuuugguguguggg.....	1	0	S01
...uuggggaagguuuugguguggggu.....	1	0	S01
.....uuuuggguguggggugggguuagg.....	1	0	S01
.....uuuuggguguggggugguuaggggaA.....	1	0	S01
.....uuuuggguguggggugguuaggggaag.....	1	0	S01
.....uuggguguggggugguuagg.....	3	0	S01
.....uuggguguggggugguuagggg.....	2	0	S01
.....uuggguguggggugguuagggga.....	5	0	S01
.....uuggguguggggCggguuagggga.....	1	1	S01
.....uuggguguggggugguuaggggaag.....	13	0	S01
.....uugggGuggggugguuaggggaag.....	1	1	S01
.....uugggugugAgugggguuaggggaaga.....	1	1	S01
.....uuggguguggggugguuaggggaaga.....	34	0	S01
.....uuggguguggggugguuaggggaagG.....	1	1	S01
.....uuUguguggggugguuaggggaaga.....	1	1	S01
.....uuggguguggggugguuagggCaaga.....	1	1	S01
.....uuggguguggggugguuaggggaagU.....	1	1	S01
.....uuggguguggggugguuaggggaaga.....	1	1	S01
.....uuggguguggggugguuaggggaagaC.....	3	1	S01
.....uugggugugggAugguuaggggaagau.....	1	1	S01
.....uuggGguggggugguuaggggaagau.....	1	1	S01
.....uuggguguggggugguuaggggaagau.....	15	0	S01
.....uCggguguggggugguuaggggaagau.....	1	1	S01
.....uuggguguggggugguuaggggaagauU.....	7	1	S01
.....uuggguguggggugguuaggggaagaua.....	3	0	S01
.....uuggguguggggugguuagggga.....	4	0	S01
.....uuggguguggggugguuaggggaA.....	1	1	S01
.....uuggguguggggugguuaggggaag.....	13	0	S01

## Mature

## Star

ggauuuugggaagguuuuggguguggguggguuaggggaagauaacuaacuaguuugaauauguuuaggguuuuguuuauucuucccuacuccaccccaugcccauaguuuucccauc			
.....ugguguggguggguuaggggaaga.....	4	0	S01
.....ugguguggguggguuaggggaagau.....	1	0	S01
.....ggGguggguggguuagggga.....	1	1	S01
.....gguguggguggguuagggga.....	4	0	S01
.....gguguggguggguuaggggaag.....	1	0	S01
.....gguguggguggguuaggggaaga.....	1	0	S01
.....gguguggguggguuaggggaagau.....	1	0	S01
.....gguguggguggguuaggggaagaua.....	2	0	S01
.....gguguggguggguuaggggaagauU.....	1	1	S01
.....guguggguggguuaggaag.....	1	1	S01
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.....guguggguggguuaggggaagaC.....	1	1	S01
.....guguggguggguuaggggaagau.....	6	0	S01
.....Cuuggguggguuaggggaagaua.....	1	1	S01
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.....uguggguggguuagggUaag.....	1	1	S01
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.....uguggguggguuaggggaU.....	1	1	S01
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.....uguggguggguuaggggaagC.....	1	1	S01
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.....ugugggGgguuaggggaaga.....	1	1	S01
.....uguggguggguuaggggaagU.....	1	1	S01
.....ugugggAggguuaggggaaga.....	1	1	S01
.....ugnuAgguggguuaggggaaga.....	1	1	S01
.....uguggguggguuGgggaaga.....	1	1	S01
.....uguggguggguuCgggaagau.....	1	1	S01
.....ugCgguggguuaggggaagau.....	1	1	S01
.....ugugggGgguuaggggaagau.....	2	1	S01
.....uguggguggguuCagggaagau.....	2	1	S01
.....uguggguggguuGagggaagau.....	1	1	S01
.....uguggguggguuUgggaagau.....	2	1	S01
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.....ugnuUgguggguuaggggaagau.....	1	1	S01
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.....uguggguggguuaggggaAaua.....	1	1	S01
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.....ugugggugggCuagggaagaua.....	2	1	S01
.....uguggguggguuagggGagaua.....	7	1	S01
.....ugugggugAuagggaagaua.....	2	1	S01
.....ugnuCgguggguuaggggaagaua.....	1	1	S01
.....Cguuggguggguuaggggaagaua.....	4	1	S01
.....ugCgguggguuaggggaagaua.....	3	1	S01

## Mature

## Star

ggauuuugggaagguuuugguguggguggguuaggggaagaua	acuaacuaguuugaauauguuuaggguuuuguuuau	cuuuccuacuccacccaugccauaguuuucccauc			
.....ugugguggguuuacGggaagaua.....			1	1	S01
.....ugugguggguuaggggaGgaua.....			9	1	S01
.....ugugguggguuuAaggaagaua.....			2	1	S01
.....uguggguAguuaggggaagaua.....			1	1	S01
.....ugugguggguuaggggaagauC.....			73	1	S01
.....ugugguggguuUgggaagaua.....			1	1	S01
.....uguggugugUuuaggggaagaua.....			1	1	S01
.....uUugguggguuaggggaagaua.....			2	1	S01
.....ugAggguggguuaggggaagaua.....			5	1	S01
.....ugugguggguuGgggaagaua.....			6	1	S01
.....ugugguggguuCgggaagaua.....			2	1	S01
.....ugugguggguuaggUaagaua.....			3	1	S01
.....Ggugguggguuaggggaagaua.....			1	1	S01
.....ugugguggguuaggCaagaua.....			2	1	S01
.....ugugguggguuaggggaagUua.....			2	1	S01
.....ugugguggguuaggggaagaAa.....			1	1	S01
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.....ugnuAgguggguuaggggaagaua.....			4	1	S01
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.....uguggCugguuaggggaagaua.....			1	1	S01
.....Nguugguggguuaggggaagaua.....			2	1	S01
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.....uAugguggguuaggggaagaua.....			1	1	S01
.....uguggugggGuaggggaagaua.....			8	1	S01
.....ugugguggguuaggggCagaua.....			2	1	S01
.....ugugguggguuaggggaagauaG.....			2	1	S01
.....ugugguggguuaggggaagauaa.....			1	0	S01
.....ugugguggguuaggggaagauaC.....			2	1	S01
.....ugugguggguuaggggaagauaU.....			2	1	S01
.....ugugguggguuaggggaagauaGcu.....			1	1	S01
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.....aucuuccuacuccaaccaugA.....			1	1	S01
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.....ucuuccuacuccaccca.....			13	0	S01
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.....ucuuccuacuccacccaU.....			7	0	S01
.....ucuuccuacuccacccUu.....			1	1	S01
.....ucuuccuacuccaaccaug.....			33	0	S01
.....ucuGccuacuccacccaug.....			1	1	S01
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.....ucuuccuacuccaaccuA.....			2	1	S01
.....ucuuccuacuccacGcaugc.....			1	1	S01
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.....ucCuccuacuccacccaugc.....			1	1	S01
.....Acuuccuacuccacccaugc.....			1	1	S01
.....ucuuccuacuccacccaGgc.....			1	1	S01
.....ucuuccuacCccacccaugc.....			3	1	S01
.....Ccuuccuacuccacccaugc.....			1	1	S01

## Mature

## Star

ggauuuugggaagguuuugguguggguggguuaggggaagauaacuaacuaguuugaauauguuuagguuuuuguuuauucuucccuacuccacccaugccaaguuuucccauc

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.....ucuucccuacuccacccaugA.....	19	1	S01
.....ucuucccuAuccacccaugc.....	1	1	S01
.....ucuucccuacuccacccaUAc.....	1	1	S01
.....ucuucccuacuccaccUaugc.....	1	1	S01
.....ucuucccuGuccacccaugc.....	1	1	S01
.....ucuucccCacuccacccaugc.....	1	1	S01
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.....ucuAcccuacuccacccaugc.....	1	1	S01
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.....Guucccuacuccacccaugcc.....	1	1	S01
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.....ucuucccuacuccaaccCGcc.....	2	1	S01
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.....ucuucccuacuccaccGaugcc.....	1	1	S01
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.....ucuucccuUuccacccaugcc.....	4	1	S01
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.....ucuucccGacuccacccaugcc.....	2	1	S01
.....ucuuGcuacuccacccaugcc.....	1	1	S01
.....ucuuAccuacuccacccaugcc.....	3	1	S01

**Mature**

Star

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.....ucuuccAuaucuccacccaugcc.....	2	1	S01
.....ucuucccAacuccacccaugcc.....	2	1	S01
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.....ucuucccuacuccacccaGgcc.....	2	1	S01
.....ucuucccuacucAacccaugcc.....	1	1	S01
.....ucuucccuacuccacUcaugcc.....	2	1	S01
.....ucuucccuacCccacccaugcc.....	6	1	S01
.....ucuucccuacuccacccaugGc.....	1	1	S01
.....ucuucccCacuccacccaugcc.....	2	1	S01
.....ucuucccuacuccacccaugcca.....	2	0	S01
.....ucuucccuacuccacAcaugcca.....	1	1	S01
.....ucuucccuacuccacccaugccU.....	5	1	S01
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.....ucuucccuacuccacccaugccG.....	1	1	S01
.....ucuucccuacuccacccaugccau.....	2	0	S01
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.....cuucccuacuccacccaau.....	1	0	S01
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.....uGccuacuccacccaugccaua.....	1	1	S01

## Mature

Star

[illegible]

## Mature

## Star

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## Mature

## Star

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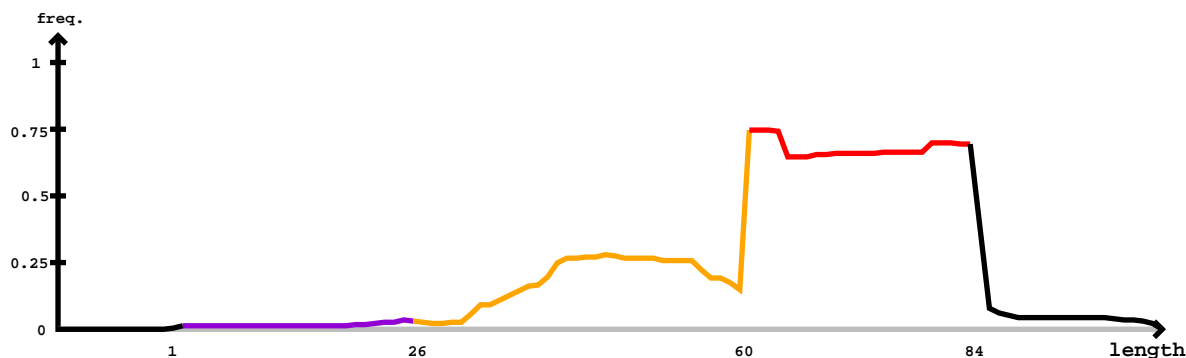
**Mature**

Star

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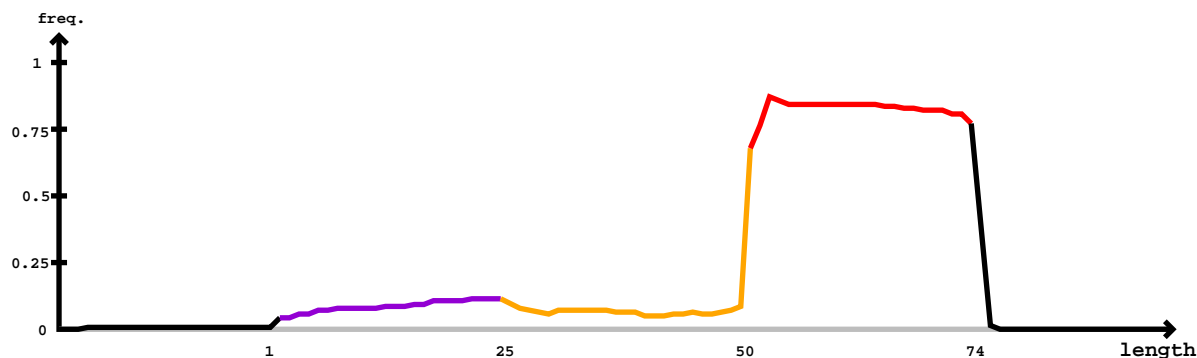


## Mature

## Star

## Mature

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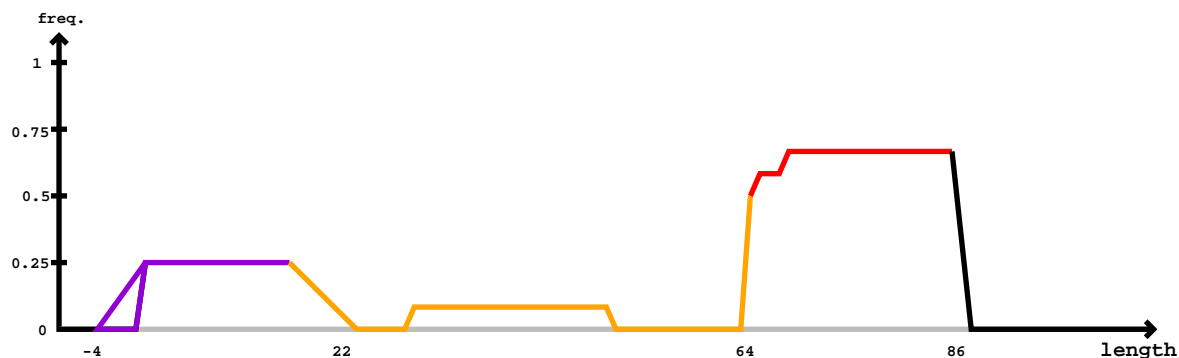
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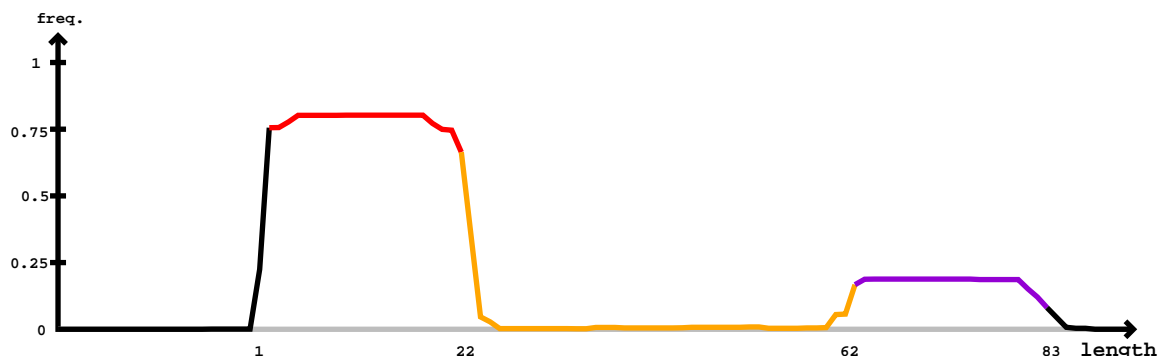
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## Mature

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Star

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## Mature

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## Mature

## Star

agacuugaugcaucauuuuuugacaaugagagagagcagcgcuuguugguagucauucaaugagauauggcugcauacaagcgugcucuaucucguugucauugauuugc

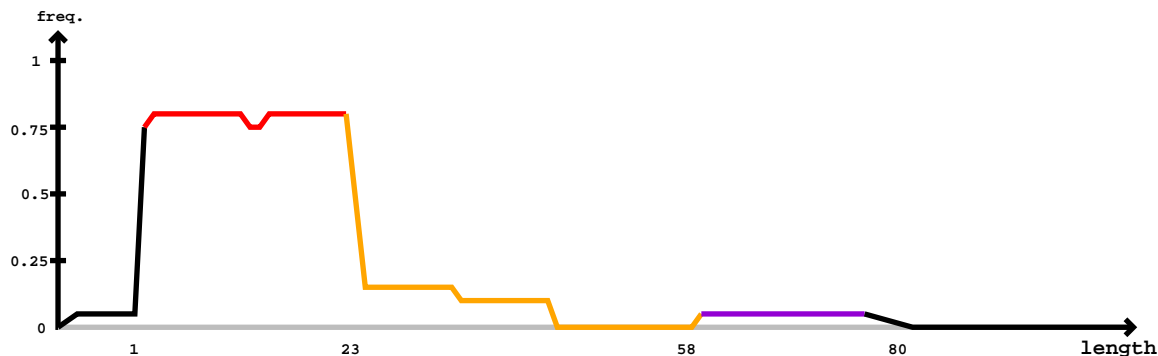
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.....gugcucuGucucguugucaua.....	1	1	S01
.....gugcucuaucucguugucauauU.....	2	1	S01
.....ugcucuaucAegugucau.....	1	1	S01
.....ugcucuaucucguugucau.....	6	0	S01
.....uCcucuaucucguugucau.....	1	1	S01
.....ugcucuaucucguugucaua.....	10	0	S01
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.....uugacaaugagagagagA.....	1	1	S02
.....uugacaaugagagagagU.....	5	1	S02
.....uugacaaugagagagagc.....	12	0	S02
.....uugacaaugagagagagcU.....	1	1	S02
.....uugacaaugagagagagcA.....	2	0	S02
.....uugacaaugGgagagagcag.....	1	1	S02
.....uugacaaugagagagagcag.....	43	0	S02
.....uugacaaugagagagagUacg.....	1	1	S02
.....uugGcaaugagagagagcag.....	1	1	S02
.....uugacaaCgagagagagcag.....	1	1	S02
.....uugacaaugagGgagagcag.....	1	1	S02
.....uugacaaugagagagagcA.....	5	1	S02
.....uGgacaaugagagagagcag.....	1	1	S02
.....uugacGaugagagagagcagcg.....	1	1	S02
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.....uugacaaugagagagcaUgc.....	1	1	S02
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.....uugacaaugaCagagagcagcg.....	1	1	S02
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.....ugacaaugagagagagcaU.....	1	1	S02
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.....ugacUaugagagagagcagcg.....	1	1	S02
.....ugacaaugagagagagcagU.....	34	1	S02
.....ugacaaugagagagagcagG.....	1	1	S02
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.....ugacaaugagagagagcaUgc.....	1	1	S02
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.....ugacaaugagagagagcaAgc.....	2	1	S02
.....ugacaaugagagagagUacgc.....	1	1	S02
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## Mature

## Star

agacuugaugcauauuuuugacaaugagagagagcagcguuguugguagucuucaaugagauauggcugcauacaagcgugcucuaucucguugucauaugauuugc			
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.....ugacaaugagGgagagcagc.....	2	1	S02
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.....ugacaaugagagagcagcgcUg.....	1	1	S02
.....acaaugagagagagcagc.....	1	0	S02
.....acaaugagagagagcagcguu.....	11	0	S02
.....acaaugagagagagcagcguC.....	3	1	S02
.....caaugagagagagcagcguug.....	10	0	S02
.....caaugaCagagagcagcguug.....	1	1	S02
.....caaGgagagagagcagcguug.....	1	1	S02
.....caaugagUgagagcagcguug.....	1	1	S02
.....caaugagagagagcagcguCg.....	1	1	S02
.....caaugagagUgagcagcguug.....	1	1	S02
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.....uucaaugagauauggcug.....	6	0	S02
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.....gcgugcCcuauucucguuguc.....	1	1	S02
.....gcgugcucuaucucguuguca.....	7	0	S02
.....gcgugcucuaucucguugucC.....	1	1	S02
.....gcgugcucuaucucguugucU.....	2	1	S02
.....cgugcucuaucucguugucauuU.....	1	1	S02
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.....gugcucuaucucguuUuc.....	1	1	S02
.....Cugcucuaucucguuguca.....	1	1	S02
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.....gugcucuaucucguugucG.....	1	1	S02
.....gugcucuGucucguugucau.....	1	1	S02
.....gugcucuaUueguugucau.....	1	1	S02
.....gugcucuaucucguugucau.....	28	0	S02
.....gugGucuaucucguugucau.....	1	1	S02
.....Uugcucuaucucguugucau.....	1	1	S02
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.....ugcucuaucucguugucauu.....	1	0	S02
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.....ucuauucucguugucauugau.....	1	0	S02

Provisional ID : Maple\_Unigene\_BMK.34899\_169283  
Score total : 1.8  
Score for star read(s) : 3.9  
Score for read counts : 3.2  
Score for mfe : -4.6  
Score for randfold : 0  
Score for cons. seed : -0.6  
Total read count : 18  
Mature read count : 15  
Loop read count : 2  
Star read count : 1

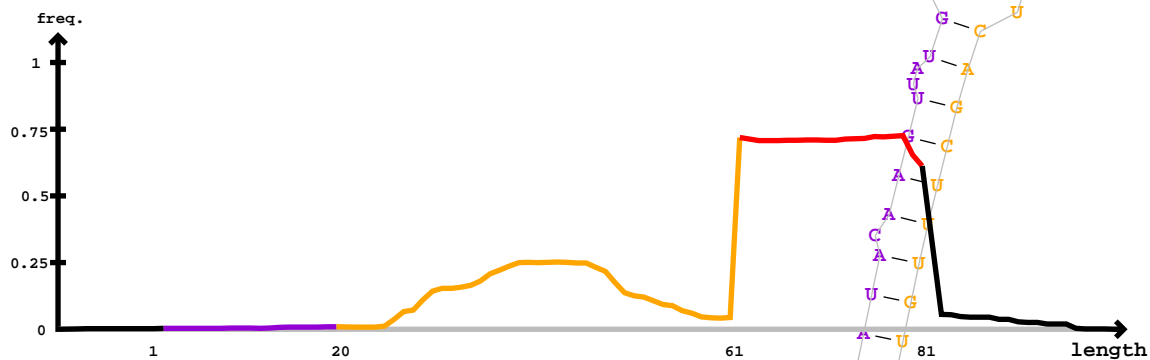


Mature

Star

5' -		-3'	obs	
agaaguccuaauugaucuuuagggagagagucuaaguuuugauagcaaggguguuucuaaugcuugauuccuucuuagagguccauuug	agaaaaaguuuaagcguuccaaua			
agaaguccuaauugaucuuuagggagagagucuaaguuuugauagcaaggguguuucuaaugcuugauuccuucuuagagguccauuugag	uaaaaaguuuaagcguuccaaua			
...(((((.....)))))).....		reads	mm	sample
.....cuaauugaucuuuaggaagagu.....		9	1	S01
.....aggagagucuaaguugaua.....		1	0	S01
.....cUuucuuagagguccauuug.....		1	1	S01
aCaaguccuaauugaucu.....		1	1	S02
.....cuaauugaucuuuaggaagagu.....		5	1	S02
.....uaauugaucuuuaggaagagu.....		1	1	S02
.....cuaguuuugauagcaagggugu.....		2	0	S02

Provisional ID : Maple\_Unigene\_BMK.35372\_174784  
Score total : 408.4  
Score for star read(s) : 3.9  
Score for read counts : 404.9  
Score for mfe : -3.3  
Score for randfold : 0  
Score for cons. seed : 3  
Total read count : 806  
Mature read count : 587  
Loop read count : 218  
Star read count : 1



Star

Mature

5'	3'	obs	exp	reads	mm	sample
uaugaagcgcauggauacaaguuauugccuuggaauagaagacaauuccgaauacagcuuugucuaagcaaggaagcuauaaguuauugcaacuaugaaucauaggaga						
uaugaagcgcauggauacaaguuauugccuuggaauagaagacaauuccgaauacagcuuugucuaagcaaggaagcuauaaguuauugcaacuaugaaucauaggaga						
.....((((.....((((.....((((.....((((.....((((.....))						
uaugaagcgcaCggauaca.....				1	1	S01
.augaagcgcauggauacG.....				1	1	S01
.....cauggauacaaguuauugcU.....				1	1	S01
.....uuauugccuuggaauagaagaU.....				1	1	S01
.....uuauugccuuggaauagaagacaauuU.....				1	1	S01
.....uauCccuuggaauagaaga.....				1	1	S01
.....ccuuggaauagaagacaauucU.....				1	1	S01
.....aaugaaagacaauuccgaauca.....				1	0	S01
.....aaugaaagacaauuccgaaucaCc.....				1	1	S01
.....aaugaaagacaauuccgaauacagC.....				1	1	S01
.....aCgaaagacaauuccgaauuc.....				1	1	S01
.....augaaagacaauuccgaauca.....				1	0	S01
.....augaaagacaauuccgaauacag.....				2	0	S01
.....augaaagacaauuccgaauacagc.....				2	0	S01
.....augaaagacaauuccgaauacagcu.....				1	0	S01
.....augaaagacaauuccgaauacagcC.....				1	1	S01
.....augaaagacaauuccgaauacagcuu.....				1	0	S01
.....augaaagacaauuccgaauacagcuuug.....				1	0	S01
.....ugaaagacaauuccgaauacag.....				1	0	S01
.....ugaaagacaauuccgaauucaA.....				1	1	S01
.....ugaaagacaauuccgaauacagA.....				3	1	S01
.....ugaaagacaauuccgaauacagc.....				2	0	S01
.....ugaaagacaauuccgaauucaCc.....				1	1	S01
.....ugaaagacaauuccgaauacagcu.....				1	0	S01
.....ugaaagacaauuccgaauacagcG.....				1	1	S01
.....ugaaagacaauuccgaauacagcC.....				1	1	S01
.....ugaaagacaauuccgaauacagcuu.....				2	0	S01
.....gaaagacaauuccgaauuca.....				1	0	S01
.....gaaagacaauuccgaauucaCc.....				1	1	S01
.....gaaagacaauuccgaauacagc.....				1	0	S01
.....aaagacaauuccgaauuca.....				4	0	S01
.....aaagacaauuccgaauacagc.....				5	0	S01
.....aaagacaauuccgaauucGgc.....				1	1	S01

## Star

## Mature

uauagaagcgcauggauacaaguuaugccuuggaauagaaagacaaauccgaaucagcguuugucuaacgaacaaggaagcuauaaguaaugcaacuagaauucauggaga

.....aaagacaaauccgaauucagU.....	1	1	S01
.....aaagacaaauccgaauucagcu.....	1	0	S01
.....Caagacaaauccgaauucagcu.....	1	1	S01
.....aaagacaaauccgaauucagcC.....	3	1	S01
.....aaagacaaauccgaauucagcuuug.....	1	0	S01
.....aagacaaauccgaauucag.....	3	0	S01
.....aagacaaauccgaauucagc.....	1	0	S01
.....aagacaaauccgaauucagU.....	2	1	S01
.....aagacaaauccgaauucagcA.....	1	1	S01
.....aagacaaauccgaauucagcu.....	4	0	S01
.....aagacaaauccgaauucagcC.....	1	1	S01
.....aagacaaauccgaauucagcuA.....	1	1	S01
.....aagacaaauccgaauucagcuC.....	1	1	S01
.....aagacaaauccgaauucagcuuu.....	1	0	S01
.....aagacaaauccgaauucagcuuug.....	1	0	S01
.....aagacaaauccgaauucagcuuugu.....	2	0	S01
.....agacaaauccgaauucagc.....	2	0	S01
.....agacaaauccgaauucagcu.....	1	0	S01
.....agacaaauccgaauucagcuu.....	1	0	S01
.....acaauuccgaauucagcuuugA.....	1	1	S01
.....caauuccgaauucagcuuu.....	1	0	S01
.....caauuccgaauucagcuuugucu.....	1	0	S01
.....aaauuccgaauucagcuuug.....	1	0	S01
.....aaauuccgaauucagcuuugu.....	1	0	S01
.....aaauuccgaauucagcuuuguc.....	1	0	S01
.....aaauuccgaauucagcuuugucua.....	1	0	S01
.....aaauuccgaauucagcuuugucuaU.....	1	1	S01
.....aaauuccgaauucagcuuugucuaU.....	1	1	S01
.....aaauuccgaauucagcuuugucuaCga.....	1	0	S01
.....aaauuccgaauucagcuuugucuaCgaac.....	1	0	S01
.....auuccgaauucagcuuugu.....	1	0	S01
.....auuccgaauucagcuuuguc.....	1	0	S01
.....auuccgaauucagcuuugucC.....	1	1	S01
.....auuccgaauucagcuuugucu.....	3	0	S01
.....auuccgaauucagcuuugucua.....	1	0	S01
.....auuccgaauucagcuuugucuaU.....	1	1	S01
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.....GuuccgaauucagcuuugucuaCgaac.....	1	1	S01
.....auuccgaauucagcuuugucuaCgaac.....	1	0	S01
.....uuccgaauucagcuuuguc.....	1	0	S01
.....uuccgaauucagcuuugucC.....	1	1	S01
.....uuccgaauucagcuuugucua.....	2	0	S01
.....uuccgaauucagcuuugucuaC.....	1	0	S01
.....uuccgaauucagcuuugucuaCgaac.....	1	0	S01
.....uccgaauucagcuuugucu.....	4	0	S01
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.....uccgaauucagcuuugucuaCgaac.....	1	0	S01
.....uccgaauucagcuuugucuaCgaaca.....	2	0	S01
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.....ccgaauucagcuuugucuaCgaaca.....	1	0	S01
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.....cgaauucagcuuugucuaCgaacaa.....	1	0	S01
.....agcuuugucuaCgaacaa.....	1	0	S01
.....uacgaacaaggaagcuuaagC.....	1	1	S01
.....cgaacaaggaagcuuaaguaaC.....	1	1	S01
.....acaagAaagcuuaagua.....	1	1	S01
.....caaggaagcuuaaguaugA.....	1	1	S01
.....aaUgaagcuuaaguaau.....	1	1	S01
.....Gaggaagcuuaaguaau.....	1	1	S01
.....aaggaagcuuaaAuaau.....	1	1	S01
.....aaggaagcuuaaaguaaA.....	2	1	S01
.....aaggaagcuuaaaguaU.....	2	1	S01
.....aaggaagcuuaaGguaau.....	1	1	S01
.....aaggaagcuuaaaguaaC.....	24	1	S01
.....aaggaagAuaaaguaau.....	1	1	S01
.....aaggaagcuuaaagCaa.....	1	1	S01
.....aaggaagcuuaaagGaa.....	2	1	S01
.....aaggaagCauaaguaau.....	1	1	S01
.....aUggaagcuuaaguaau.....	1	1	S01

## Star

## Mature

uaugaagcgccauggauacaaguuauagccuuggaaugaaagacaaauuccgaaucagcuuuugucuacggaacaaggaagcuauaaguaaugcaacuaugaaucucaugggaga

.....aaggaAAcuuaaaguaau.....	1	1	S01
.....aagUaagcuuaaaguaau.....	1	1	S01
.....Uaggaagcuuaaaguaau.....	1	1	S01
.....aagAAagcuuaaaguaau.....	1	1	S01
.....aaggaagcuUuaaguaau.....	1	1	S01
.....aGggaagcuuaaaguaau.....	2	1	S01
.....aaggaCgcuaaaguaaag.....	1	1	S01
.....Gaggaagcuuaaaguaaag.....	1	1	S01
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.....aaggaagcuauGaguaaag.....	1	1	S01
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.....aaggaagcuGuaaaguaaag.....	1	1	S01
.....aaggaagcuuaaaguaaCg.....	2	1	S01
.....aaggaagGuuaaaguaaag.....	1	1	S01
.....aaggaAAcuuaaaguaaag.....	1	1	S01
.....aaggaagcuuaaaguaCug.....	1	1	S01
.....aaggaGgcuuaaaguaaagc.....	1	1	S01
.....aaggaagcGuaaaguaaagc.....	1	1	S01
.....aaggCagcuuaaaguaaagc.....	1	1	S01
.....aaggaagcCuaaaguaaagc.....	1	1	S01
.....aaggaagcuCuaaaguaaagc.....	1	1	S01
.....aaggaagcuuaaaguaaagU.....	79	1	S01
.....aaggaAAcuuaaaguaaagc.....	1	1	S01
.....aGggaagcuuaaaguaaagc.....	1	1	S01
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.....Gaggaagcuuaaaguaaagc.....	2	1	S01
.....aaggaagGuuaaaguaaagc.....	1	1	S01
.....aaggaagcuuaaaguaaCgc.....	2	1	S01
.....aaggaagcuCaaguaaagc.....	1	1	S01
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.....aaggaagcuuaaaguGaug.....	2	1	S01
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.....aaggaagcuuaaGguaaagc.....	1	1	S01
.....Naggaagcuuaaaguaaagc.....	3	1	S01
.....aaggaagcuuaaaguaaagG.....	5	1	S01
.....aagUaagcuuaaaguaaagc.....	5	1	S01
.....aaggaagcuuaaCguaaagc.....	2	1	S01
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.....aaggaagcuuaaaguaGugca.....	1	1	S01
.....aaggaagcuuaaaguaaagcG.....	1	1	S01
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.....aaggaagcuuaaaguGaugcaac.....	1	1	S01
.....aaggaagcuuaaGguaaagcaac.....	1	1	S01
.....aaggaagcuuaaaguaGugcaac.....	1	1	S01
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.....aaggaagcuuaaaguaaagcaacuaCg.....	2	1	S01
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.....gcaacuaugaaucucauggaA.....	1	1	S01
.....acaaguuauagccuuggaauGaaagac.....	1	1	S02
.....aguuaagccuuggaauGaaagac.....	1	1	S02
.....guuaagccuugCaaugaaa.....	1	1	S02
.....augaagacaguuccgaa.....	1	1	S02

## Star

## Mature

uaugaagcgcauggauacaaguuagccuuggaauaaaagacaauuccgaauccagcguuugucuaacgaacaagggaagcuauaaguaaagcacaugaaucaucgaggaga

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.....augaaagacaauuccgaaC.....	1	1	S02
.....augaaagacaauuccgaaucA.....	2	0	S02
.....augaaagacaauuccgaaucag.....	2	0	S02
.....augaaagacaauuccgaaucagc.....	1	0	S02
.....augaaagacaauuccgaaucagcu.....	1	0	S02
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.....augaaagacaauuccgaaucagcuuug.....	2	0	S02
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.....ugaaagacaauuccgaaucA.....	2	0	S02
.....ugaaagacaauuccgaaucag.....	1	0	S02
.....ugaaagacaauuccgaaucagc.....	2	0	S02
.....ugaaagacaauuccgaauiagcu.....	1	1	S02
.....ugaaagacaauuccgaaucagcG.....	2	1	S02
.....ugaaagacaauuccgaaucagcu.....	2	0	S02
.....ugaaagacaauuccgaaucagcuuug.....	1	0	S02
.....gaaagacaauuccgaaucA.....	1	0	S02
.....gaaagacaauuccgaaucagcC.....	1	1	S02
.....aaagacaauuccgaaucA.....	2	0	S02
.....aaagacaauuccgaaucag.....	2	0	S02
.....aaagacaauuccgaaucagU.....	1	1	S02
.....aaagacaauuccgaaucagc.....	2	0	S02
.....aaagacaauuccgaaucagcu.....	4	0	S02
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.....Gaagacaauuccgaaucagcuu.....	1	1	S02
.....aaagacaauuccgaaucagcuu.....	2	0	S02
.....aaagacaauuccgaaucagcuuug.....	1	0	S02
.....aGgacaauuccgaaucag.....	1	1	S02
.....aagacaauuccgaaucagc.....	4	0	S02
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.....aaauuccgaaucagcuuuguc.....	1	0	S02
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.....uuccgaaucagcuuugucua.....	1	0	S02
.....ccgaaucagcuuugucuaC.....	1	0	S02
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## Star

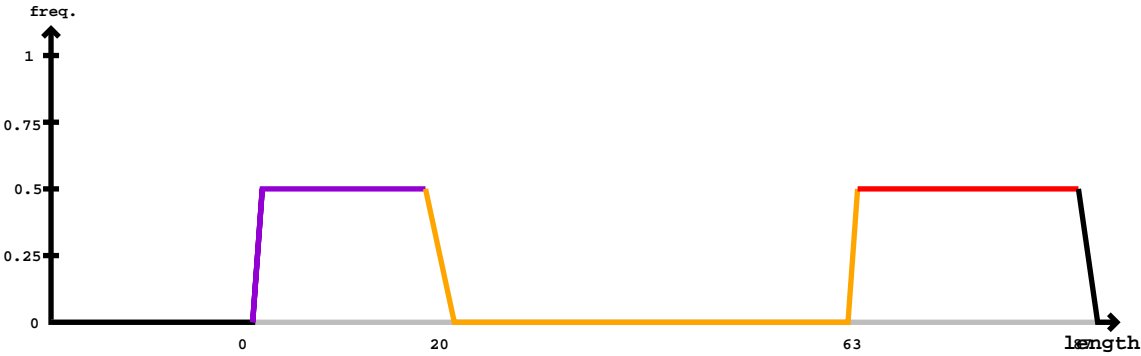
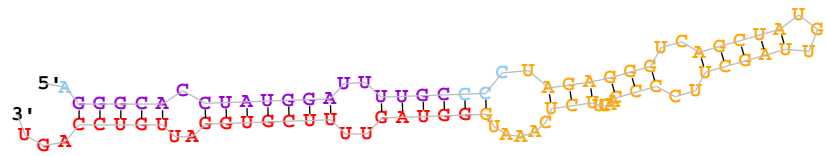
## Mature

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.....aaucagcuuugucuaacgaacaag.....	1	0	S02
.....auUagcuuugucuaacgaacaaggaagcu.....	1	1	S02
.....cagcuuugulUuacgaacaa.....	1	1	S02
.....ugucuaacgaacaaggaagcC.....	1	1	S02
.....ucuaacgaacaaggaagcuauaagcC.....	1	1	S02
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.....cgaacaaggaagcuauaagcC.....	1	1	S02
.....cGaggaagcuauaaguaaag.....	1	1	S02
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.....aaggaagcuGuaaguaau.....	1	1	S02
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.....aaggaagcuauaaguaaC.....	3	1	S02
.....aagUaagcuauaaguaau.....	1	1	S02
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.....aaggaagcuauaaguaaA.....	1	1	S02
.....aaggaagcuauaaguaaGu.....	2	1	S02
.....aaggaGgcuaauaaguaau.....	1	1	S02
.....aaggaagcGauaaguaau.....	1	1	S02
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.....aagUaagcuauaaguaaag.....	1	1	S02
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.....aaggaagcuauaaguaaGg.....	1	1	S02
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.....aaggaagAuaaaguaaagcC.....	1	1	S02
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.....aaggaagcuauaaguaaAgc.....	1	1	S02
.....aaggaagcuauaaguaaagA.....	38	1	S02
.....aaggaagcuuaagAaaagcC.....	1	1	S02
.....aaggaagcuauaaguaaagU.....	7	1	S02
.....aaggaagcuauaaguaaagG.....	4	1	S02
.....aaggaagcuauaaguaaagcG.....	2	1	S02
.....aaggaagcuGuaaguaaagca.....	1	1	S02
.....aaggaagcuauaaguaaagcC.....	1	1	S02
.....aaggaagcuauaaguaaagAa.....	4	1	S02
.....aagAaagcuauaaguaaagcaac.....	1	1	S02
.....aaggaagcuauaaguaaagcaau.....	2	1	S02
.....aaggaagcuauaaguaaagcaacG.....	1	1	S02
.....aaggaagcuAaaguaaagcaacu.....	1	1	S02
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.....uaaagcaacuugaauucucaC.....	1	1	S02
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.....aaugcGacuugaauucucaug.....	1	1	S02
.....augcGacuugaauucucau.....	1	1	S02
.....augcaacuugaauucucaG.....	1	1	S02
.....ugcaacuugaauucucaC.....	1	1	S02

[illegible]

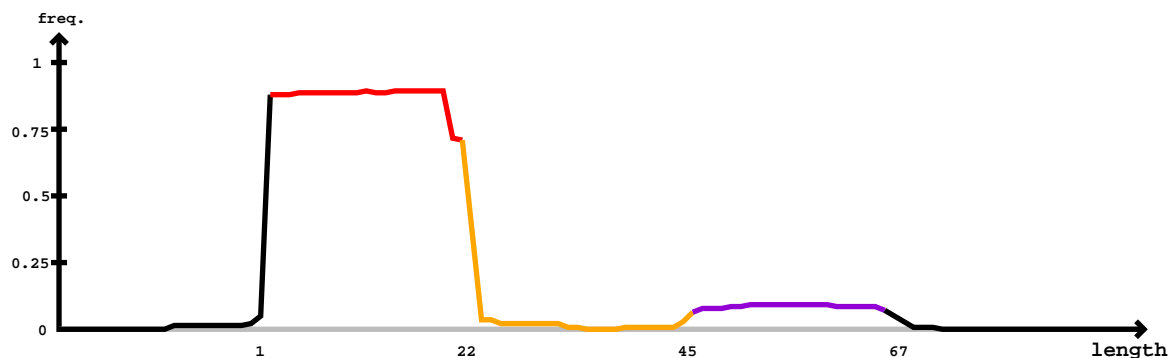
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Score total : 2.8  
Score for star read(s) : 3.9  
Score for read counts : -4.9  
Score for mfe : 0.9  
Score for randfold : 0  
Score for cons. seed : 3  
Total read count : 2  
Mature read count : 1  
Loop read count : 0  
Star read count : 1



Star

Mature

5' -	caugaauucuuuccagaa	gggcaccuauggauuuugc	cccuagagggucagcuauguuagcuuccccaacuucucaaaug	ggguaguuuucguggauuguccagucag	-3'	obs		
	caugaauucuuuccagaa	gggcaccuauggauuuugc	cccuagagggucagcuauguuagcuuccccaacuucucaaaug	ggguaguuuucguggauuguccagucag		exp		
	..(((..(((.....)))	..(((..(((.....)))	..(((..(((.....)))	..(((..(((.....)))		reads	mm	sample
	.....	.....	.....	.....		1	0	s02
	.....	.....	.....	.....		1	0	s02



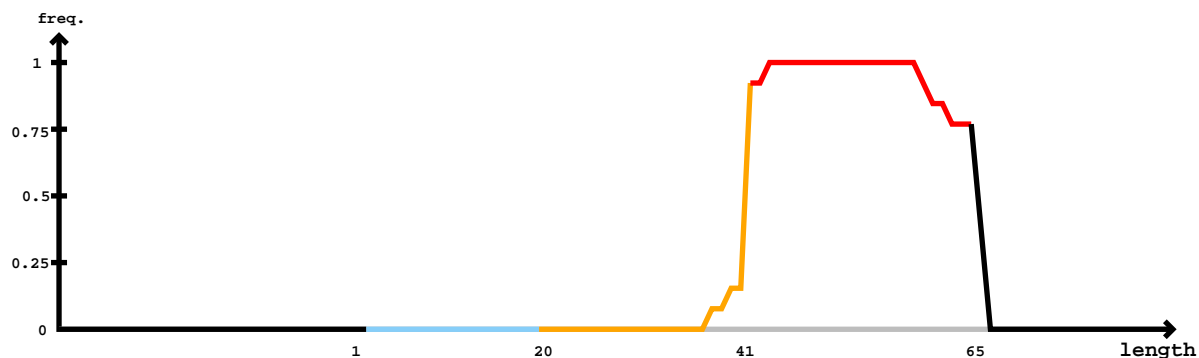
Star

[illegible]

Mature

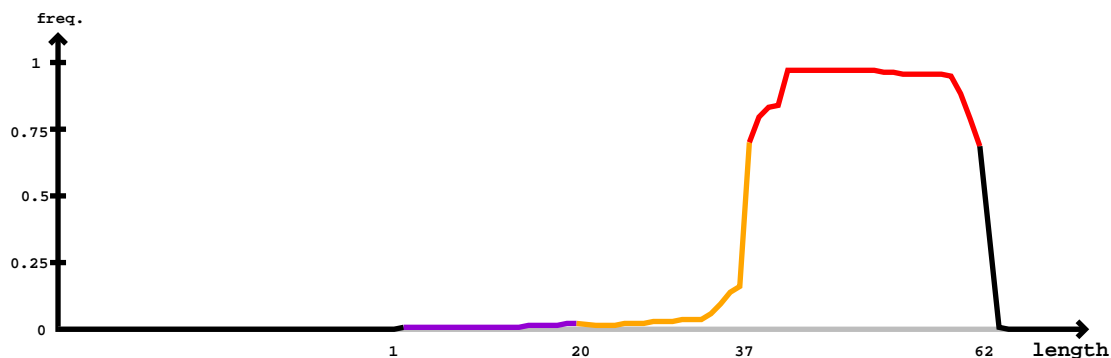
Star

cuuaaagaauuaaaauaucacga <u>uucucuucaacucuuuaguuuaaacgcuuucaagcaaagcu</u> auccuauugaagaauuuugugccuuucaaaucagauucucucuau			
.....uauccuauugaagaauuuug.....	2	0	S02
.....uauccuauugaagaauuuugu.....	1	0	S02
.....auccuauugaagaauuuugu.....	3	0	S02
.....auccuauugaagaauuuuguc.....	1	0	S02
.....uugaagaauuuugugccuu.....	1	0	S02



## Mature

[illegible]



## Mature

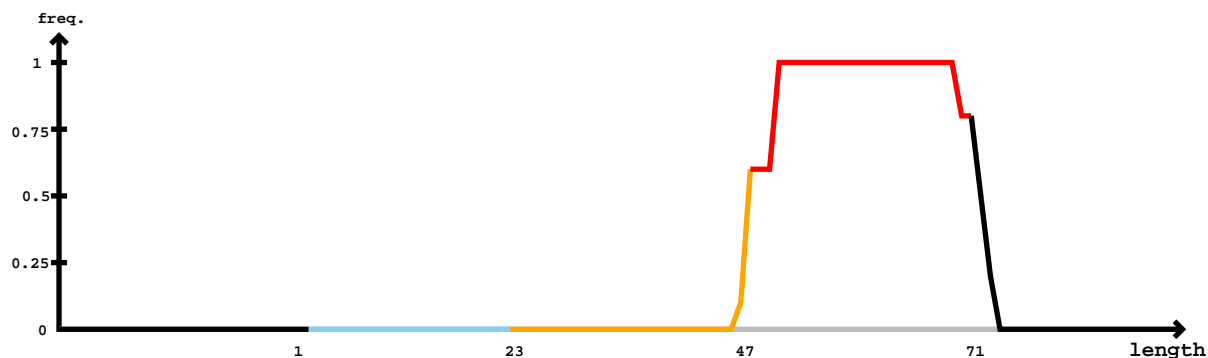
5'	-3'	obs	exp	reads	mm	sample
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gguuugggcuuugggcagaaauuuuuucuaaagaagugagugaaauaucgauggcuuuuguuugaaaagcgaaacggacggcgaagugacuuugaucucacgcgggcuuaaua						
...((((((((...((((...))))).(((((((...(((...((((((((...))))).)))...)))...)).).)))))...)))))))).						
...ugagugaaauaucgauggcu	1	0				S01
...auggcuuuuguugaaaagcgaacggacgg...	1	0				S01
...cuuuuguugaaaagcgaacggacgg...	1	0				S01
...uugaaaagcgaacggacgg...	1	0				S01
...aaagcgaacggacggcgaagCgacu...	1	1				S01
...gcgaacggacggcgaagugacuuC...	1	1				S01
...aacggacggcgaagugacuuugaucucacA...	1	1				S01
...aacggacggcgaagugacuuugaucucacU...	1	1				S01
...aacggacggcgaagugacuuugaucucacg...	1	0				S01
...acggacggcgaagugacuuugaucuca...	1	0				S01
...acggacggcgaagugacuuugaucucac...	2	0				S01
...acggacggcgaagugacuuugaucucacA...	1	1				S01
...acggacggcgaagugacuuugaucucacU...	1	1				S01
...cggaacggcgaagugacuuugaucuuAa...	1	1				S01
...cggaacggcgaagugacuuugaucucacC...	3	1				S01
...cggaacggcgaagugacuuugaucucacA...	1	1				S01
...Cgaacggcgaagugacuuugaucucac...	1	1				S01
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...gacggcgaagugacuuugaucuuU...	1	1				S01
...gacggcgaagugacuuugaucuc...	4	0				S01
...gacggcgaagugacuuugaCcuca...	1	1				S01
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...gacggcgaagugacuuugaucucac...	1	0				S01
...gacggcgaagugacuuugaucucCc...	1	1				S01
...gacggcgaagugacuuugaucucacC...	16	1				S01
...gacggcgaagugacuuugaucucacU...	3	1				S01
...gacggcgaagugacuuugaucucacA...	9	1				S01
...gacggcgaagugacuuugaucucacg...	3	0				S01
...gacggcgaagugacuuugaucucacgc...	1	0				S01
...acggcgaagugacuuugaucu...	1	0				S01
...acggcgaagugacuuugaucucCc...	1	1				S01



## Star

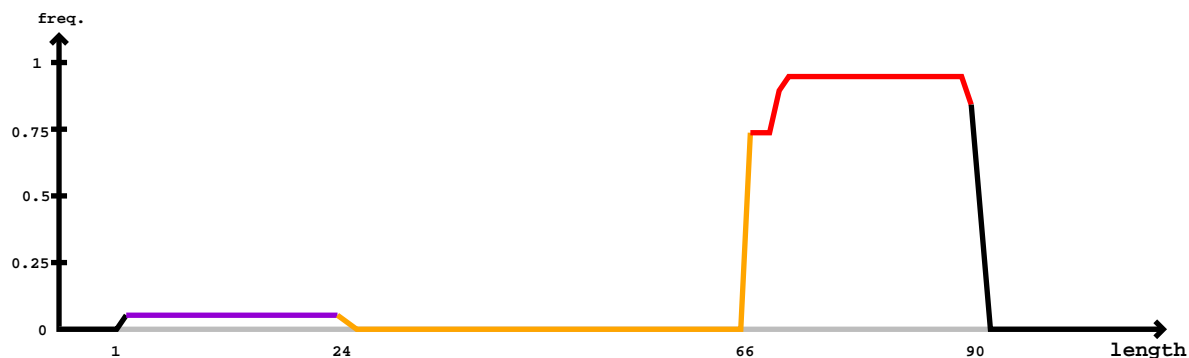
## Mature

gguuggggcuugggcagaaauuuuuucuaaagaagugagugaauaucgauggcuuuuguugaagcgaaacggacggcaagugacuuugaucucacgcgggcuuaua			
.....acggcaagugacuuugaucucacU.....	1	1	S01
.....acggcaagugacuuugaucucacC.....	5	1	S01
.....acggcaagugacuuugaucucacA.....	2	1	S01
.....cggcaagugacuuugaucucC.....	1	1	S01
.....cggcaagugacuuugaucucacg.....	2	0	S01
.....ggcaagugacuuugaucucCc.....	1	1	S01
.....gcaagugacuuugaucucC.....	1	1	S01
.....gcaagugacuuugaucucacg.....	1	0	S01
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.....gcaagugacuuugaucucacU.....	2	1	S01
.....gcaagugacuuugaucucacC.....	3	1	S01
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.....gacggcaagugacuuugaucuc.....	1	0	S02
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.....acggcaagugacuuugaucucacC.....	2	1	S02
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.....gcaagugacuuugaucuc.....	1	0	S02
.....gcaagugacuuugaucucacC.....	6	1	S02
.....gcaagugacuuugaucucacU.....	1	1	S02
.....caagugacuuugaucuca.....	2	0	S02



## Mature

[illegible]



## Mature

[illegible]

[illegible]

5' UGACAG GA GAGAGUGAGCACA CGCAGCGGAAAUUUUUGUAUGUAGAA 3'



## Star

## Mature

gacugacaggagagagugagcaca	cgacagggaauuuguuagagaaaguuacacuuuuugacuugugugugcucacuuccucugucagcucagcucaaccaacu			
...ugGcaggagagagugagcaca		2	1	S01
...ugacaggGgagagugagcaca		1	1	S01
...ugaUaggagagagugagcaca		2	1	S01
...ugacagggaUagagugagcaca		1	1	S01
...ugacaggagagagAgagcaca		1	1	S01
...ugacaggagagagugagUaca		1	1	S01
...ugacaggagagagugagcaca		296	0	S01
...ugacaggagagagugaAacaca		1	1	S01
...ugaGaggagagagugagcaca		1	1	S01
...ugacaAagagagagugagcaca		1	1	S01
...ugacaggagagagGgagcaca		1	1	S01
...ugacaggagagagugagcacU		6	1	S01
...Ggacaggagagagugagcaca		1	1	S01
...Cgacaggagagagugagcaca		2	1	S01
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...ugacaggagagagugagcacaA		1	1	S01
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...ugacaggagagagugagcacaG		1	1	S01
...ugacaggagagagugagcacagU		1	1	S01
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...uuugacuugugugugcucacuucu		1	0	S01
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...ugugcucacuuccuuccugucG		1	1	S01
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...gugcucacuuccuuccuguc		1	1	S01
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## Star

## Mature

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.....uCcucacuuuccucugucagc.....	2	1	S01
.....ugcucacuuuccucugucGgc.....	3	1	S01
.....ugcucacuuuccucugucagG.....	3	1	S01
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.....ugcucacuCcuccucugucagc.....	3	1	S01
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.....ugcucacuuUuccucugucagc.....	1	1	S01
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.....ugGucacuuuccucugucagc.....	3	1	S01
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.....Cgcucacuuuccucugucagc.....	1	1	S01
.....ugcucacuuuccucugucagU.....	141	1	S01
.....ugcCcacuuuccucugucagc.....	1	1	S01
.....ugcucacuuuccucugucagcu.....	2	0	S01
.....ugcucacuuuccucugucagcA.....	1	1	S01
.....ugcucacuuuccucugucagcAca.....	1	1	S01
.....gcucacuuuccucuguca.....	1	0	S01
.....ucacuuuccucugucagc.....	1	0	S01
.....cacuuuccucugucagc.....	1	0	S01
..Uugacaggagagagugagca.....	1	1	S02
..Uugacaggagagagugagcac.....	4	1	S02
..cugacagAagagagugagcac.....	3	1	S02
..ugacaggagagagugagc.....	41	0	S02
..ugacaggCgagagugagc.....	1	1	S02
..ugacaggagGgagugagc.....	1	1	S02
..ugacaggagagagugagU.....	5	1	S02
..ugacaggagagagGgagc.....	2	1	S02
..ugacaggagagagCgagc.....	1	1	S02
..ugacaggagagagugagca.....	10	0	S02
..ugacaggagagagugagcG.....	3	1	S02
..ugacaggagagagGgagcac.....	2	1	S02
..ugacaggagagagugagcUc.....	1	1	S02
..ugacaggagagUgugagcac.....	1	1	S02
..ugacaggagagugagcGc.....	1	1	S02
..ugacagCagagagugagcac.....	3	1	S02
..ugacaggagagagugCgcac.....	2	1	S02
..ugacaggagagagugagcac.....	120	0	S02
..ugacaggagagagugagcaU.....	16	1	S02
..ugacaggaCagagugagcac.....	1	1	S02
..ugacaggagGgagugagcac.....	2	1	S02
..ugaAagagagagugagcac.....	1	1	S02
..ugacaggagagagAgagcac.....	1	1	S02
..ugGcaggagagagugagcac.....	1	1	S02
..ugacaggagagagCgagcac.....	2	1	S02
..ugacaggagagaCugagcac.....	1	1	S02
..ugacaCgagagagugagcaca.....	1	1	S02

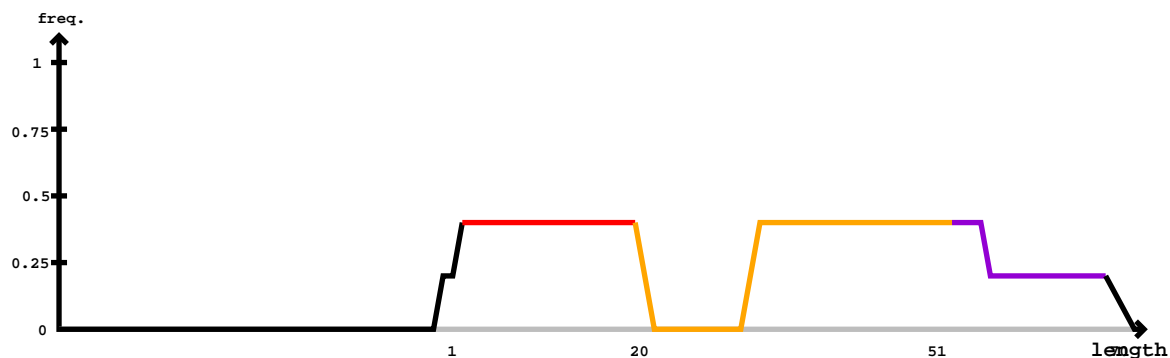
## Star

## Mature

gacugacaggagagagugagcaca cgcagggaauuuguuagagaaaguuacacuuuuugacuugugugugucacuuuccucugucagcucagcucaaccaacu

...ugacaggagagagCgagcaca.....	3	1	S02
...ugacaggagGgagugagcaca.....	2	1	S02
...ugacaggagagagAgagcaca.....	4	1	S02
...ugacaggGgagagugagcaca.....	2	1	S02
...ugacaggagagagugagcacC.....	7	1	S02
...ugacaggagagagGgagcaca.....	3	1	S02
...Cgacaggagagagugagcaca.....	1	1	S02
...ugacaggagagagugagcacG.....	33	1	S02
...uAacaggagagagugagcaca.....	1	1	S02
...ugacaggagagagugagcaca.....	277	0	S02
...Ggacaggagagagugagcaca.....	1	1	S02
...ugacaggagagUgugagcaca.....	1	1	S02
...ugacaggagagagugagcacU.....	2	1	S02
...ugacaggUgagagugagcaca.....	1	1	S02
...ugacaggagagagugaAcaca.....	1	1	S02
...ugacaggagagagugGgcaca.....	3	1	S02
...gacaggagagagugagcaca.....	1	0	S02
...acagAagagagugagcacacg.....	1	1	S02
...caggagagagugagcacacC.....	1	1	S02
...uugacuugugugugucacuuuc.....	1	0	S02
...uugacuugugGgugucacuuuc.....	1	1	S02
...uugacuugugugugucacuuuc.....	1	0	S02
...uugacuugugugugucacuuucU.....	2	1	S02
...uugacuugugCgugucacuuuc.....	1	1	S02
...ugacuugugugugucacuuuc.....	1	0	S02
...ugugucacuuuccucuguc.....	4	0	S02
...ugugucacuuuccucuguca.....	3	0	S02
...ugugucacuuuccucugucG.....	1	1	S02
...gugucacuuuccucuguc.....	3	0	S02
...gugucacuuuccucUguc.....	1	1	S02
...gugucacuuuccucUucag.....	1	1	S02
...gugucacuuuccucugucaA.....	2	1	S02
...gugucacuuuccucugucag.....	15	0	S02
...gugucacuuuccucugucGg.....	1	1	S02
...ugcucacuuuccucuguc.....	34	0	S02
...ugcucacuuuccucugU.....	3	1	S02
...ugcucacuuuccucugucG.....	3	1	S02
...ugcucacuuuccucuguca.....	1	0	S02
...ugcucacuuuccucugucag.....	6	0	S02
...ugcAcacuuuccucugucagc.....	1	1	S02
...ugcucacuuuccucugugagc.....	1	1	S02
...ugcucacuuuccUucugucagc.....	1	1	S02
...uAcucacuuuccucugucagc.....	1	1	S02
...ugcucacuCcuuccugucagc.....	2	1	S02
...ugcucacuuuccucugucagU.....	40	1	S02
...ugcuUacuuccucugucagc.....	1	1	S02
...Cgcucacuuuccucugucagc.....	1	1	S02
...ugcucacuuuccUugucagc.....	1	1	S02
...ugcCcacuuccucugucagc.....	2	1	S02
...ugcucacuucCcuuccugucagc.....	1	1	S02
...ugcuAacuuccucugucagc.....	2	1	S02
...ugcucacuuccucugucagA.....	10	1	S02
...ugcucacuuccucCgucagc.....	2	1	S02
...ugcucUcuuccucugucagc.....	1	1	S02
...ugcucacuuccucugucGgc.....	2	1	S02
...ugcucacuuccucugucagc.....	230	0	S02
...ugcGcacuuccucugucagc.....	1	1	S02
...ugcucacuuccucugUagc.....	1	1	S02
...ugcucGcuuccucugucagc.....	1	1	S02
...ugcucUuuccucugucagc.....	2	1	S02
...ugcucacuAcuuccucugucagc.....	1	1	S02
...ugUucacuuccucugucagc.....	1	1	S02
...ugcucacuuccucuguaAgc.....	1	1	S02
...ugcucacuuccucugucUgc.....	1	1	S02
...ugcucacuuccucugucagG.....	1	1	S02
...ugcucacuuccucugCcagc.....	1	1	S02
...ugcucacuuccucugucagcC.....	2	1	S02
...ugcucacuuccucugucagcuGa.....	2	1	S02
...cacuuccucugucagc.....	1	0	S02

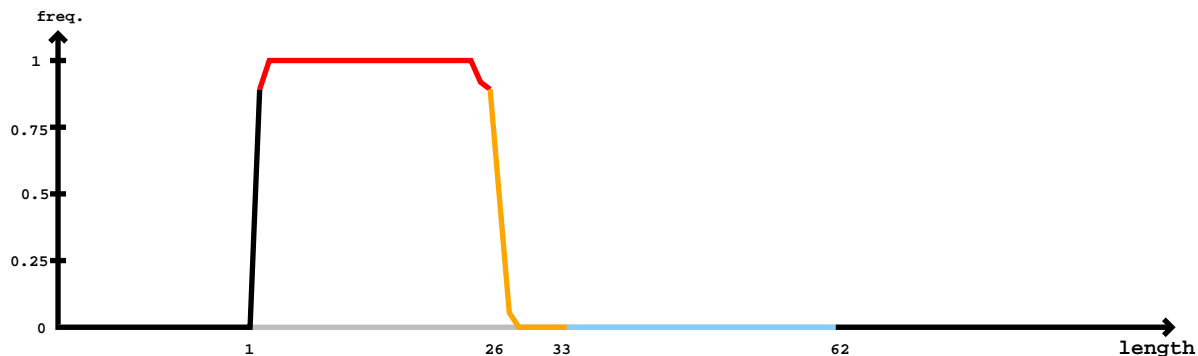
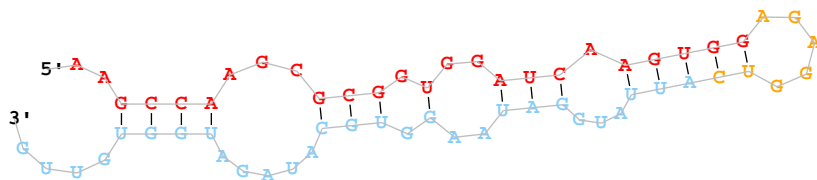




Star

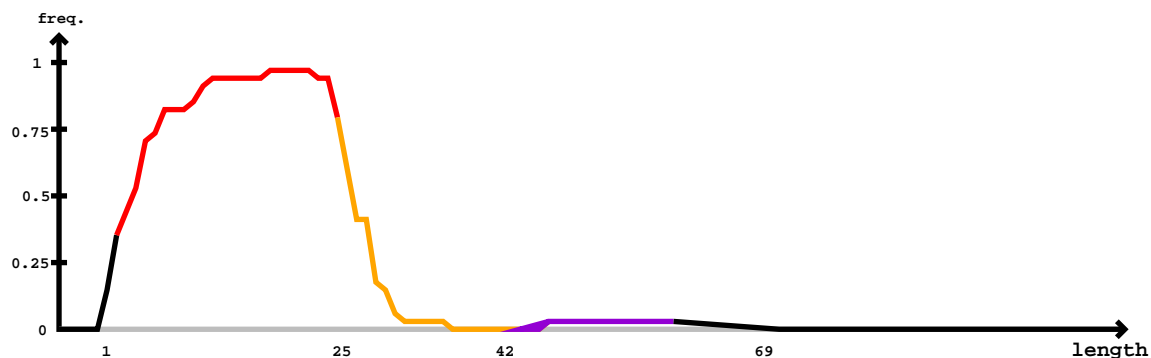
[illegible]

Provisional ID : Maple\_Unigene\_BMK.44468\_203061  
 Score total : 2.1  
 Score for star read(s) : -1.3  
 Score for read counts : 0  
 Score for mfe : 0.4  
 Score for randfold : 0  
 Score for cons. seed : 3  
 Total read count : 37  
 Mature read count : 37  
 Loop read count : 0  
 Star read count : 0



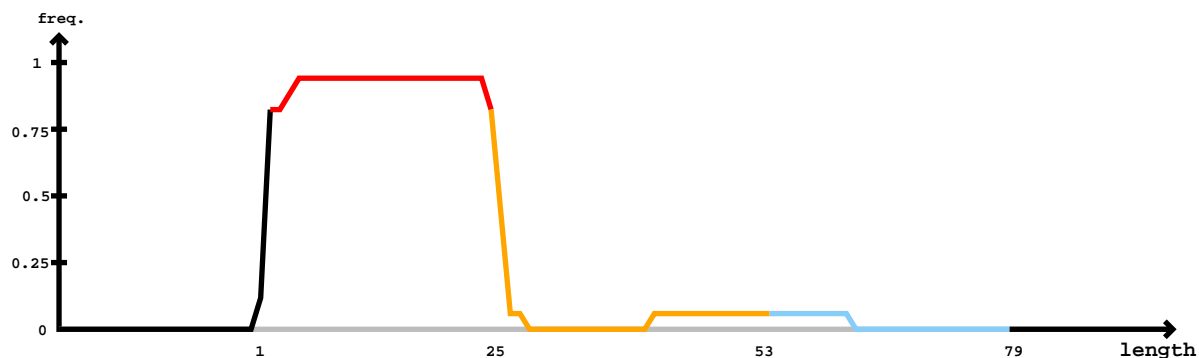
## Mature Star

5' -		-3'	exp		
	reads	mm	sample		
auacaugguggcgacgacgaagccaagcgcgguggaucaaguggagaggucuuuauuggauaaggugcauagauggugugcauauugguguaaguggagaggucuuuccacag	2	1	S01		
.....aagccaagcgcggGggaucaagugg.....	1	1	S01		
.....aagccaagcgcgguggaucaaguAg.....	11	0	S01		
.....aagccaagcgcgguggaucaagugg.....	1	0	S01		
.....agccaagcgcgguggaucaagugg.....	2	0	S02		
.....aagccaagcgcgguggaucaagu.....	1	0	S02		
.....aagccaagcgcgguggaucaagugg.....	14	0	S02		
.....aagccaagcgcgguggaucaaguggaA.....	1	1	S02		
.....aagccaagcgcgguggaucaaguggaU.....	1	1	S02		
.....agccaagcgcgguggaucaagu.....	1	0	S02		
.....agccaagcgcgguggaucaagugg.....	1	0	S02		
.....agccaCgcgcgguggaucaagugga.....	1	1	S02		



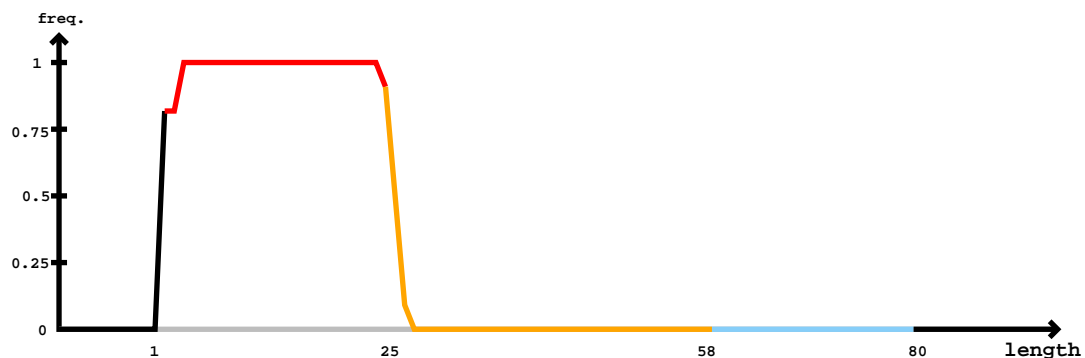
Star

5' -	caca <u>cuugguuugaacuguggugacggaggc</u> uuuaggggaagcguccagccacauugauaaagaggccaaguguuacaaaagaaaagcuuuauucaaccaaaaaacacaa	-3'	obs
	caca <u>cuugguuugaacuguggugacggaggc</u> uuuaggggaagcguccagccacauugauaaagaggccaaguguuacaaaagaaaagcuuuauucaaccaaaaaacacaa		exp
	.(((((((((((.....((((((....(((.((((((...))))).)))..)))).).....))))))))).....((((.....)))).....	reads	mm
	..acuuggCuuugaacuguggugacg.....	2	1
	....uuggCuuugaacuguggugacgga.....	1	1
	....uggCuuugaacugugguga.....	1	1
	....ggCuuugaacuguggugacggagg.....	3	1
	.....Cuugaacuguggugacgg.....	1	1
	.....uuuugaacCguggugacggaggcu.....	1	1
	.....ugaacCguggugacggaggcuu.....	1	1
	.....gaacuguggugacggagC.....	1	1
	.....aacuguggugacggagUcu.....	1	1
	.....ggugacggaggcuuuaggg.....	1	0
	.....ccacauugauaaagaggcU.....	1	1
	..acuuggCuuugaacuguggugacg.....	3	1
	....cuuggCuuugaacuguggugacgg.....	7	1
	....uuggCuuugaacuguggugacgga.....	2	1
	....uggCuuugaacuguggugacgg.....	2	1
	....ggCuuugaacuguggugacggagg.....	3	1
	.....gCuuugaacuguggugacggaggc.....	1	1
	.....Cuugaacuguggugacggagg.....	1	1
	.....gaacuguggugacggaggcu.....	1	0



Star

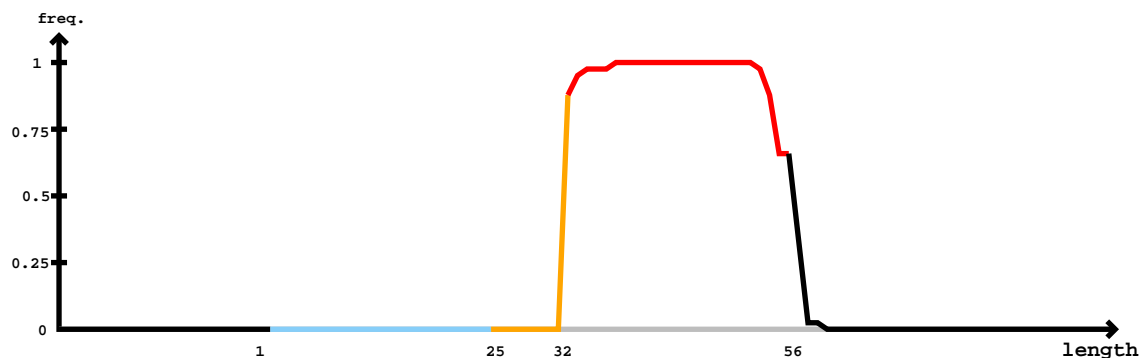
5'-	ucaaugggcacauugacucauuugugggcuuacacgaucucucaucgucagucucuccaucuuccgauagaucaugaagauguaagacagcuccauuaggauggggaucuccuca	-3'	exp	
	((((((((.....))))))(((.....(((((((((((((((.....)))))).)))))))))).))..))..))..((.....)).	reads	mm	sample
.....	cauuugugggcuuacacgaucucucau.....	1	0	S01
.....	auuugugggcuuacacgaucucucauc.....	4	0	S01
.....	auuugugggcuuacacgaucuuAauc.....	1	1	S01
.....	ugugggcuuacacgaucucucaucguc.....	1	0	S01
.....	cauuugugggcuuacacgaucucucau.....	1	0	S02
.....	auuugugggcuuacGcgaucucucauc.....	1	1	S02
.....	auuugugggcuuacacgaucucucauc.....	6	0	S02
.....	uugugggcuuacacgaucucucauA.....	1	1	S02
.....	uccgauagaucaugaagaugu.....	1	0	S02

[illegible]

Star

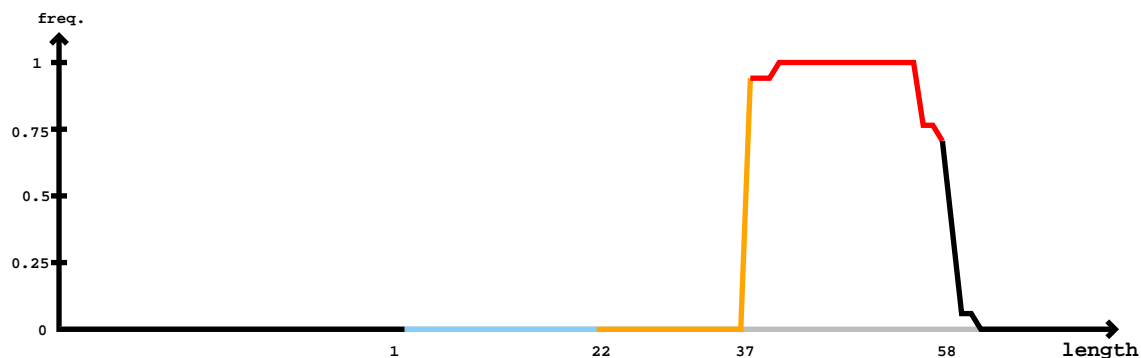
5'-	ugagagaggugagugaucgugagauugagagugaguucuuuuuuuaauuuuuuguuuuguggguucgaucaaauccaaaacaccacuccaagagauc-	-3'	exp	
		reads	mm	sample
. . . . .	ugagugaucgugagauuugagagu.	5	0	S01
. . . . .	ugagugaucgugagauuugagagC.	1	1	S01
. . . . .	agugaGcgugagauuugagagu.	1	1	S01
. . . . .	agugaucgugagauuugagaguug.	1	0	S01
. . . . .	ugagugaucgugagauuugagag.	1	0	S02
. . . . .	ugagugaucgugagauuugagagu.	2	0	S02

The diagram illustrates a segment of a DNA double helix. The top strand is oriented 5' to 3' from left to right, with bases C, A, C, G, C, A, G, A, U, G, U, U, G, C, C, A, C, G. The bottom strand is oriented 3' to 5' from left to right, with bases G, C, U, G, G, U, C, U, A, U, A, A, C, G, C, U, G, U. Base pairs are connected by vertical lines representing hydrogen bonds: C-G, A-T, C-G, G-C, C-G, A-T, G-C, A-T, U-A, G-C, U-A, U-A, G-C, C-G, C-G, A-T, C-G.



## Mature

[illegible]



**Mature**

5'	aaguuauuggguacaucugaugcaccaugcauccacccagauauugccacauaagcuuaguuuucguggcaacacucuggguggggaucacauaacaucuccg	-3'	exp	
.....((((.....((((((((((((((((((((((((((((((((.....((((((((.....)))))))))))))))))))))))))))))))).....	reads	mm		sample
.....cguggcaacacucugggug.....	3	0		S01
.....cguuAgcaacacucuggguggg.....	1	1		S01
.....cguggcaacacucugggugggg.....	1	0		S01
.....cguggcaacacucugggugAgg.....	3	1		S01
.....cguggcaacacucgAgugggg.....	1	1		S01
.....cguggcaacacucugggug.....	1	0		S02
.....cguggcaacacucugggugggg.....	1	0		S02
.....cguggcaacacucugggugAgg.....	4	1		S02
.....cguggcaacacucuggguggggaug.....	1	1		S02
.....ggcaacacucugggugggga.....	1	0		S02