



5'	aaaaagau	gauugccu	cauucuu	uggucgga	aggucuuu	ucgcgac	aguugucu	agaagga	aaacuuc	uagcaca	ucugucg	aaaugacc	uuucgg	acaguu	acugca	-3'	obs	
	aaaaagau	gauugccu	cauucuu	uggucgga	aggucuuu	ucgcgac	aguugucu	agaagga	aaacuuc	uagcaca	ucugucg	aaaugacc	uuucgg	acaguu	acugca		exp	
	..(((((((	((....))	))))))	..(((((((	((....	(((((	(((((	(((((	(((((	(((((	(((((	(((((	(((((	(((((	(((((	reads	mm	sample
	..(((((((	((....))	))))))	..(((((((	((....	(((((	(((((	(((((	(((((	(((((	(((((	(((((	(((((	(((((	(((((	1	0	B02
	.....	ucua	gcac	aucu	gucg	aaa	aug	.....								1	0	H21
	.....	ucua	gcac	aucu	gucg	aaa	aug	.....								5	0	H21
	.....	ucua	gcac	aucu	gucg	aaa	aug	.....								35	0	H21
	.....	cuag	caca	aucu	gucg	aaa	aug	.....								4	0	H21
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	aucu	.....			1	1	E71
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	aucu	.....			12	0	E71
	.....	cu	uagc	aca	aucu	gucg	aaa	aug	.....							1	1	E71
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	aucu	.....			5	0	E71
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	aucu	.....			5	0	E71
	.....	ucua	gcac	aucu	gucg	aaa	aug	.....								1	1	E71
	.....	ucua	gcac	aucu	gucg	aaa	aug	.....								1	1	E71
	.....	ucua	gcac	aucu	gucg	aaa	aug	.....								1	1	E71
	.....	ucua	gcac	aucu	gucg	aaa	aug	.....								1	1	E71
	.....	ucua	gcac	aucu	gucg	aaa	aug	.....								85	0	E71
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	.....	uuuc	uug	gucgga	agguc	.....										1	0	H02
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			1	1	H02
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			7	0	H02
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			1	0	H02
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			1	0	H02
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			1	1	H02
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			1	1	H02
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			42	0	H02
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	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			1	1	H02
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			2	1	E22
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			2	1	E22
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			1	0	E22
	.....	uuuc	gcgac	aguug	u	gaaga	aug	gaa	aacu	uagc	aca	auc	.....			1	0	E22

## Star

## Mature

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.....uuucgcgacaguugugcuagaagauggaaaacuucuaagcacau.....	7	1	H22

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.....uuuucgacaguuugugcuagaagauggaaacuuuagcacau.....	5	0	H73

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.....uucagcacauucugucgaaUug.....	1	1	H73
.....Cucagcacauucugucgaaauga.....	1	1	H73
.....uuucagcacauucugucgCauga.....	1	1	H73
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.....ucucagcacauucugucgaaaug.....	7	0	H73
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.....ucCagcacauucugucgaaauga.....	1	1	H73
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## Mature

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.....cuagcacauucugucgaaauga.....	1	0	H12
.....gucauuucgcgacaguugugcuaga.....	1	0	T72
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.....cuagcacauucugucgaaauga.....	1	0	H24
.....auuucgcgacaguugugcuaga.....	8	0	H51
.....auuucgcgacaguugugcuagaa.....	1	0	H51
.....auuucgcgacaguugugcuagaaa.....	3	1	H51
.....auuucgcgacaguugugcuagaagU.....	1	1	H51
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.....uucagcacauucugucgaaaGg.....	1	1	H51
.....uucagcacauucugucgaaaug.....	13	0	H51
.....uucagcacauucugucgaaauga.....	3	0	H51
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.....ucagcacauucugucgaaauga.....	60	0	H51
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.....uucagcacauucugucgaaaug.....	5	0	H72
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.....ucagcacauucugucgaaauC.....	1	1	H72
.....ucagcacauucugucgGaauga.....	1	1	H72
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.....auuucgcgacaguugugcuagaa.....	1	0	H32
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.....auuucgcgacaguugugcuagaaa.....	1	1	H32

## Star

## Mature

aaaaaugauugccuauucuuugugucggaagguc <u>auuucgcgacaguugugcuaga</u> aaguggaaac <u>uuucagcacauucugucgaaauga</u> ccuuucggacaguuacugca			
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.....ucagcacauucugucgaaG.....	1	1	E74
.....ucagcacauucugucgaaaug.....	15	0	E74
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.....ucagcacauucugucgaaaugaA.....	1	1	E02

## Star

## Mature

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.....uuuucgacaguuugugcuaga.....	10	0	H71
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.....ucCagcacauucugucgaaauga.....	1	1	H71
.....ucuagcacauucugucgaaaugC.....	1	1	H71
.....ucuagcacauucugucgaaGuga.....	1	1	H71
.....ucuagcacauucugucgaaCuga.....	1	1	H71
.....ucAagcacauucugucgaaauga.....	1	1	H71
.....ucuagcacauucugucgaaaugaA.....	2	1	H71
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.....ucuagcacauucugucgaaGuga.....	1	1	E13
.....ucuagcacauucugucGaauga.....	1	1	E13
.....ucuagcacauucugucgaaaugG.....	1	1	E13
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.....uuuucgacaguuugugcuagaaa.....	1	0	H04
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.....uuucgacaguuugugcuagaagauggaaacuuucagcacau.....	2	0	H04



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## Mature

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.....uuc <u>uagcacau</u> cugucgaaa.....	2	0	H04
.....uuc <u>uagcacau</u> cugucgaaaug.....	6	0	H04
.....uuc <u>uagcacau</u> cugucgaaauga.....	3	0	H04
.....uc <u>uagcacau</u> cugucgaaaug.....	1	0	H04
.....uc <u>uagcacau</u> cugucgaaauga.....	41	0	H04
.....uc <u>uagcacau</u> cugucgaaaugU.....	1	1	H04
.....uc <u>uagcacau</u> cugucgaUauga.....	1	1	H04
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.....uc <u>uagcacau</u> cugucgaaauga.....	35	0	H11
.....uc <u>uagcacau</u> cugucgCaauga.....	2	1	H11
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.....uuucgcgacaguugugcuagaaggauggaaacuuuagcacau.....	5	0	H42
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.....uuc <u>uagU</u> acauucugucgaaaug.....	1	1	H42
.....uuc <u>uagcacau</u> cugucgaaaug.....	12	0	H42
.....uuc <u>uagcacau</u> cugucgaaauga.....	3	0	H42
.....uc <u>uagcacau</u> cugucgaaaug.....	3	0	H42
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.....uc <u>uagcacau</u> cugucgaaaugaA.....	2	1	H42
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.....uuc <u>uagcacau</u> cugucgaaaug.....	4	0	E12
.....uc <u>uagcacau</u> cugucgaaaug.....	2	0	E12
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.....uc <u>uagcacau</u> cugucgaaaugaA.....	1	1	E12
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.....uuc <u>uagcacau</u> cugucgaaaug.....	8	0	H62
.....Cuc <u>uagcacau</u> cugucgaaauga.....	1	1	H62
.....uc <u>uagcacau</u> cugucgaaaug.....	5	0	H62
.....uc <u>uagcacau</u> cugucgaaauga.....	123	0	H62
.....uc <u>uagcacau</u> cugucgaaaauUa.....	1	1	H62
.....uc <u>uagcacau</u> cugucgaaCUga.....	1	1	H62
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.....cuagcacau <u>cugucgaaauga</u> .....	2	0	H62
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.....uuc <u>uagcacau</u> cugucgaaaauU.....	1	1	E24
.....uuc <u>uagcacau</u> cugucgaaaug.....	4	0	E24
.....uuc <u>uagcacau</u> cugucgaaauga.....	1	0	E24
.....uc <u>uagcacau</u> cugucgaaa.....	1	0	E24
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.....uc <u>uagcacau</u> cugucgGaauga.....	1	1	E24

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.....ucuagcacauucugucgaaaug.....	1	0	E14
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.....cuagcacauucugucgaaauga.....	2	0	E14
.....auuucgacaguuugucuaagaag.....	1	0	T74
.....uuucgacaguuuguaagaagauggaaacuucuaagcacau.....	2	1	T73
.....ucuagcacauucugucgaaauga.....	1	0	T73
.....uuucuaagcacauucugucgaaaug.....	7	0	E04
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