



5 -	gguaaggugcacaauuaaaguugguaaauuguaccaaacuuuguaggggccacuaaagagugagacauucaugacggggaugaugcucagcgcucgcuuagcaugug	-3'	exp	
	..(((.(((.(.....((((((((((.....))))).)))))(.((.(((((((.(.(((.(((((((.....))))).))))).))))).))..))))).))	reads	mm	sample
	.....augacgggggaugaugcucagaugggu.....	1	0	seq
	.....augacgggggaugaugcucagauggua.....	1	0	seq
	.....gacgggggaugaugcucaga.....	2	0	seq
	.....gacgggggaugaugcucagaug.....	1	0	seq
	.....gacgggggaugaugcucagauagg.....	2	0	seq
	.....gacgggggaugaugcucagauagggu.....	2	0	seq
	.....gacAggggaugaugcucagaugggu.....	1	1	seq
	.....gacgggggaugaugcucagauggua.....	2	0	seq
	.....gacgggggaugaugcucagauagguaU.....	1	1	seq
	.....gacgggggaugaugcucagauaggguUg.....	1	1	seq
	.....gacgggggaugaugcucagauggguag.....	7	0	seq
	.....gacgggggaugaugcucagauaggguaga.....	2	0	seq
	.....gacgggggaugaugcucagCugguaga.....	1	1	seq
	.....gacgggggaugaugcucagaugguaagag.....	4	0	seq
	.....Ucgggggaugaugcucagauagggu.....	2	1	seq
	.....aGgggggaugaugcucagauaggua.....	2	1	seq
	.....acgggggaugaugcucagauagguaa.....	1	0	seq
	.....cgggggaugaugcucagauaggua.....	1	0	seq
	.....gggggaugaugcucagauA.....	1	1	seq
	.....gggggauguGgcucagaug.....	1	1	seq
	.....gCgggaugaugcucagaug.....	1	1	seq
	.....ggggauUuagcucagaug.....	5	1	seq
	.....Aggggaugaugcucagaug.....	1	1	seq
	.....gggggaugaugcucagaug.....	23	0	seq
	.....gggggaugaugcucUgaugg.....	1	1	seq
	.....gggggaugaugcucagaCgg.....	1	1	seq
	.....gggggaugaugcucagauagg.....	123	0	seq
	.....ggggGugaugcucagauagg.....	2	1	seq
	.....gggggaugaugcucagauGU.....	1	1	seq
	.....gUgggaugaugcucagauagg.....	1	1	seq
	.....gAggaugaugcucagauagg.....	1	1	seq
	.....ggggauUuagcucagauagg.....	1	1	seq
	.....gggggaugaugUucagauagg.....	1	1	seq
	.....gCgggaugaugcucagauagg.....	1	1	seq

## Mature

.....gAgggauguagcucagauggu.....	1	1	seq
.....Aggggauguagcucagauggu.....	1	1	seq
.....gggggauguagcucagaugAgu.....	2	1	seq
.....gggggauguagcucagaAggu.....	2	1	seq
.....gggggauguaCcucagauggu.....	1	1	seq
.....gggggauguagcucagaugCu.....	2	1	seq
.....gggggauguagcucagauggG.....	2	1	seq
.....gggggauguagcucagauggC.....	2	1	seq
.....gggggauguagcCcagauggu.....	2	1	seq
.....gggAauguagcucagauggu.....	2	1	seq
.....gCgggauguagcucagauggu.....	1	1	seq
.....gggggauguagcucagauggu.....	432	0	seq
.....gggggauguagcucagaugUu.....	1	1	seq
.....gggggauguagcuNagauggu.....	4	1	seq
.....ggCgauguagcucagauggu.....	1	1	seq
.....gggggauguaAcucagauggu.....	2	1	seq
.....gggggauguagcucAauggu.....	1	1	seq
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.....gggggauguagcucAauggu.....	1	1	seq
.....gggggauguagcuUagauggu.....	1	1	seq
.....gggggaugCagcucagauggu.....	2	1	seq
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.....gggggauguagcucagaugAu.....	2	1	seq
.....gggggauguagcAcagauggu.....	2	1	seq
.....gggggauguaUcucagauggu.....	1	1	seq
.....Cgggauguagcucagauggu.....	1	1	seq
.....gggggauguagcucAauggu.....	2	1	seq
.....gggggaAguagcucagauggu.....	1	1	seq
.....gggggauguagcucagauggA.....	3	1	seq
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.....gggggauguagcucGgauggu.....	1	1	seq
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.....Ugggauguagcucagauggua.....	1	1	seq
.....gggggauguagcCcagauggua.....	1	1	seq
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.....gggggaugAagcucagauggua.....	2	1	seq
.....gggggauguagcGcagauggua.....	1	1	seq
.....gggggauguagcAcagauggua.....	3	1	seq
.....gggggauguUgcucagauggua.....	1	1	seq
.....gggggaCguagcucagauggua.....	1	1	seq
.....gggggauguagcucagauCgua.....	1	1	seq
.....gggggauguagcucagaugCua.....	2	1	seq
.....gAggauguagcucagauggua.....	3	1	seq
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.....gggggauguagcucagaAggua.....	10	1	seq
.....gggggauguagcucagaugguU.....	10	1	seq
.....gggggauguagcucagaCggu.....	3	1	seq
.....gggggauguagcuNagauggua.....	3	1	seq
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.....gggggauguagcucaCauggua.....	2	1	seq
.....gggggauguagcucagaugAua.....	1	1	seq
.....gggggauguaAcucagauggua.....	2	1	seq
.....gggggauguagcucaAauggua.....	2	1	seq
.....gggAauguagcucagauggua.....	1	1	seq
.....gggggauguagcucagaugAgua.....	1	1	seq
.....gggggauAaugcucagauggua.....	4	1	seq
.....gggggaugCagcucagauggua.....	1	1	seq
.....gggggauguagcucagauggGag.....	1	1	seq
.....gggggauguagcucagCugguag.....	1	1	seq
.....gggggauguagcucagaugguaA.....	3	1	seq
.....gggggauguagcucagaCgguag.....	1	1	seq
.....ggggCuguagcucagaugguag.....	1	1	seq
.....gggggauguagcucUgaugguag.....	1	1	seq
.....gggggauguagcucagaugguag.....	114	0	seq
.....gggggaAguagcucagaugguag.....	1	1	seq
.....gggggauguagcucagauggGag.....	1	1	seq
.....gggggauguagcCcagaugguag.....	1	1	seq

## Star

## Mature

gguaggugcacaauaaaguugguaaauguuaccaaacuuguaagggcca	cuauaagagugacauucauga	ggggauguagcucagauaggua	gagcgucgcuuagcaugug			
.....	.ggU	gauguagcucagauaggua	.....	1	1	seq
.....	.Aggg	auguagcucagauaggua	.....	1	1	seq
.....	.gggg	auguagcucCgaugguag	.....	1	1	seq
.....	.gggg	auguagcucagCugguaga	.....	1	1	seq
.....	.gggg	augCagcucagauaggua	.....	1	1	seq
.....	.gggg	auguagcucagauagguaUa	.....	1	1	seq
.....	.Uggg	auguagcucagauaggua	.....	3	1	seq
.....	.ggggU	uguagcucagauaggua	.....	1	1	seq
.....	.gggg	auguagcucagaAagguaga	.....	3	1	seq
.....	.gggA	auguagcucagauaggua	.....	2	1	seq
.....	.gggg	auguagcucagauAguaga	.....	1	1	seq
.....	.gggg	auguagcucagauAua	.....	1	1	seq
.....	.gggg	auguaUcucagauaggua	.....	1	1	seq
.....	.gggg	auguagcucagauagguaG	.....	3	1	seq
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.....	.gggg	auguagcGcagauaggua	.....	1	1	seq
.....	.gggg	auguagcuAagauaggua	.....	1	1	seq
.....	.gggg	auguagcucagauaggAaga	.....	1	1	seq
.....	.gggg	auguagcuNagauaggua	.....	2	1	seq
.....	.gggg	auguagcucagauaggua	.....	348	0	seq
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.....	.gggg	gCguagcucagauaggua	.....	1	1	seq
.....	.gggg	auguagcucagGugguaga	.....	1	1	seq
.....	.gggg	auguagcucagauagguaU	.....	1	1	seq
.....	.gggg	auguagcucagauagguaC	.....	2	1	seq
.....	.gggg	auguagAucagauaggua	.....	1	1	seq
.....	.gggg	augGagcucagauaggua	.....	2	1	seq
.....	.gggg	auguagcucagauagguaCga	.....	1	1	seq
.....	.gggg	auUuagcucagauaggua	gag	1	1	seq
.....	.gggg	auguagcucagCugguagag	.....	1	1	seq
.....	.gggg	auguagcucagauagguaA	.....	2	1	seq
.....	.gggg	auguagcucagauaggua	gag	25	0	seq
.....	.gggg	auguagUucagauaggua	gag	3	1	seq
.....	.gggg	auguagcucagauaggCagagc	.....	1	1	seq
.....	.gggg	auguagcucagauaggua	gagG	5	1	seq
.....	.gggg	auguagcucagauaggua	gagA	1	1	seq
.....	.gggg	auguagcuCaugguagagc	.....	1	1	seq
.....	.gggg	auguagcucagaAagguagagc	.....	1	1	seq
.....	.gggg	auguagcucagauaggua	gac	1	1	seq
.....	.gggg	auguagcucagauaggua	gagc	169	0	seq
.....	.gggg	auguagcucagauagguaAagc	.....	1	1	seq
.....	.gggg	auguagcucagauagguaGgc	.....	1	1	seq
.....	.gA	ggauagcucagauaggua	gagc	2	1	seq
.....	.gggg	auguagcucagauaggua	Ggc	1	1	seq
.....	.gggg	auguagcucagaGgguagagc	.....	1	1	seq
.....	.gggg	auguagcucagauagguaUagc	.....	1	1	seq
.....	.gggg	auguagcAacagauaggua	gagc	2	1	seq
.....	.gggg	auguagcucagauagguaGgagcg	.....	1	1	seq
.....	.gggg	auguagcucagauaggua	gagcg	1	0	seq
.....	.gC	gauguagcucaga	agg	1	1	seq
.....	.ggg	auguagcucagaCggu	.....	1	1	seq
.....	.ggg	auguagcucagaAaggu	.....	1	1	seq
.....	.ggg	auguagcucaga	aggu	13	0	seq
.....	.ggg	auCuagcucaga	aggua	1	1	seq
.....	.ggg	auguagcucaga	aggua	9	0	seq
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.....	.ggg	auguagcucaga	aggua	8	0	seq
.....	.gg	auguagcucaga	aggu	42	0	seq
.....	.gg	auguagcucaga	Aaggu	1	1	seq
.....	.U	gauguagcucaga	aggu	1	1	seq
.....	.gg	auguagcucaga	Agu	1	1	seq
.....	.gg	auguagcucaga	Aua	1	1	seq
.....	.gg	auguagcucaga	Gggu	1	1	seq
.....	.gg	auguagcucaga	Aaggu	1	1	seq
.....	.gg	gGuagcucaga	aggua	1	1	seq
.....	.gg	auguagcucaga	aggua	1	1	seq
.....	.gg	auguagcucaga	aggua	1	1	seq
.....	.gg	auguagcucaga	aggua	2	1	seq
.....	.gg	auguagcucagUaggua	.....	1	1	seq
.....	.gg	auguagcucaga	Aaggua	1	1	seq
.....	.gg	auguaAcucaga	aggua	1	1	seq

## Star

## Mature

gguaaggugcacaauaaaguugguaaauguuaccaaacuuguaagggcca	cuauaagagugacauucauga	ggggauguagcucagauaggua	gagcgucgcuuagcaugug			
.....	ggauA	uagcucagauaggua	.....	1	1	seq
.....	ggau	uagcucagauaggua	.....	83	0	seq
.....	ggau	uagcucagCugguag	.....	1	1	seq
.....	ggau	uagcCcagauaggua	.....	1	1	seq
.....	ggau	uagcucagauAguag	.....	1	1	seq
.....	ggau	uagcucNaugguag	.....	2	1	seq
.....	gga	Cguagcucagauaggua	.....	1	1	seq
.....	ggau	uagcucagauaggAag	.....	1	1	seq
.....	gga	uagcucGgaugguag	.....	1	1	seq
.....	ggau	uagcucagauaggua	.....	67	0	seq
.....	Aga	uagcucagauaggua	.....	1	1	seq
.....	ggau	uagcucagauAguaga	.....	1	1	seq
.....	ggau	uagcucNaugguaga	.....	2	1	seq
.....	ggau	uagcucagauaggua	.....	44	0	seq
.....	gga	Aguagcucagauaggua	.....	1	1	seq
.....	ggau	uagcucagaCgguaga	.....	1	1	seq
.....	ggau	uagcucagauaggua	gag	2	0	seq
.....	ggau	uagcucagauaggua	gG	1	1	seq
.....	ggau	uagcucagauaggua	gagc	5	0	seq
.....	gaug	uagcucagGuggua	.....	1	1	seq
.....	gaug	uaAucagauaggua	.....	1	1	seq
.....	gaug	uagcucagaAaggua	.....	1	1	seq
.....	gaug	uagcucagauaggua	.....	16	0	seq
.....	gaug	uagcucagauAua	.....	2	1	seq
.....	gaug	uagcucagauaggua	.....	20	0	seq
.....	Aa	uagcucagauaggua	.....	1	1	seq
.....	gaug	uagcucagauaggua	.....	33	0	seq
.....	gaug	uagcucagauaggua	gag	1	0	seq
.....	aug	uagcucagauaggua	.....	5	0	seq
.....	aug	uagcucagauaggua	.....	10	0	seq
.....	aug	uagcucagauaggua	gag	3	0	seq
.....	aug	uagcucagauaggua	gagc	2	0	seq
.....	aug	uagcucagauaggua	gagcUcu	1	1	seq
.....	ugu	agcucagauaggua	.....	11	0	seq
.....	ugu	agAucagauaggua	.....	1	1	seq
.....	ugu	agcucagauagguaAa	.....	1	1	seq
.....	ugu	agcucagauaggua	gag	3	0	seq
.....	ugu	agcucGgaugguagag	.....	1	1	seq
.....	ugu	agcucagauaggua	gagcgC	1	0	seq
.....	ugu	agcucagauaggua	gagcgcu	1	0	seq
.....	gu	agcucagauaggua	gag	1	0	seq
.....	gu	agcucagauaggua	gagc	1	0	seq
.....	gu	agcucagauaggua	gagcUcucgc	1	1	seq
.....	uag	cucagauaggua	gagc	3	0	seq
.....	uag	cucagCugguagagcg	.....	1	1	seq
.....	uag	cucagauaggua	gagcgCuc	1	0	seq
.....	agc	ucagUugguagagcgC	.....	1	1	seq
.....	agc	ucagauaggua	gagcgCuc	1	0	seq
.....	cuc	agauaggua	gagcgcu	1	0	seq
.....	cuc	agauaggua	gagcUcuc	1	1	seq
.....	cuc	agauaggua	gagcgCucgc	3	0	seq
.....	cuc	agauaggua	gagcgCucgcua	2	0	seq
.....	uc	agauaggua	gagcgCuc	10	0	seq
.....	uc	agauaggua	gagcUcuc	3	1	seq
.....	uc	agauaggua	gagcgCucg	2	0	seq
.....	uc	agauaggua	gaNcgCucgc	1	1	seq
.....	uc	agauaggua	gagcgCucgc	23	0	seq
.....	uc	agauaggua	gagAgcCucgc	3	1	seq
.....	uc	agauaggua	gagcUcucgc	13	1	seq
.....	uc	agauaggua	gGcgCucgcuu	1	1	seq
.....	cag	auaggua	gagcgCucg	3	0	seq
.....	cag	auaggua	gagcAucgc	1	1	seq
.....	cag	auaggua	gagcgCucgc	25	0	seq
.....	cag	auaggua	gagCcucgc	2	1	seq
.....	cag	auaggua	gagcUcucgc	16	1	seq
.....	cag	auaggua	gagcgCacgcuu	1	1	seq
.....	aga	uaggua	gagcgCucgc	27	0	seq
.....	aga	uaggua	gaAcgCucgc	1	1	seq
.....	aga	uaggua	gagcNcucgc	1	1	seq
.....	aga	uaggua	gagcAucgc	3	1	seq

Star

Mature

gguaggugcacaauuaaaguugguaaauguuaccaaacuuguaagggcca <u>cuauaagagugacauucauga</u> gggggauguagcucagauaggua	gagcgcucgcuuagcaugug			
.....	.agaugguagagcUcucgc.....	14	1	seq
.....	.agaGggguagagcgcucgc.....	1	1	seq
.....	.agaugguagagcCcucgcuu.....	1	1	seq
.....	.agaugguagagcgcucgcuuG.....	1	1	seq
.....	.gaugguagagcgcucgcuuG.....	2	1	seq
.....	.augguagagcgcucgcuuGgc.....	1	1	seq
.....	.ugguagagcgcucgcuuagca....	1	0	seq