



5' -	-3'	obs	
ugcuguugacagugagcgac <u>uguaaacaucccugcaguggaagcugugaagccacagaugggcuuucagucggauguuugcagc</u> ugccuacugccucggacuuaaggggcuacu		exp	
ugcuguugacagugagcgac <u>uguaaacaucccugcaguggaagcugugaagccacagaugggcuuucagucggauguuugcagc</u> ugccuacugccucggacuuaaggggcuacu		known	
.(((.....)))..(((.(((((((((((.(((((((((((((((.....))).....))))))))))))))))))))))..))).....((((.....))))). ugcuguugacagugagcgac.....	reads	mm	sample
.....Agacuguaaacaucccugcaguggaagcu.....	1	0	hsa
.....Ucuguaaacaucccugcaguggaagcu.....	1	1	hsa
.....cuguaaacaucccugcagugU.....	1	1	hsa
.....cuguaaacauccuAgacuggaag.....	1	1	hsa
.....cuguaaacaucccugcaguggaag.....	15	0	hsa
.....cuAuaaacaucccugcaguggaag.....	1	1	hsa
.....cuguaaacaucccugcagugUaagc.....	1	1	hsa
.....cuguaaacaucccugcaguggaagc.....	14	0	hsa
.....cuguaaacaucccugcaguggaagU.....	1	1	hsa
.....Uuguaaacaucccugcaguggaagc.....	2	1	hsa
.....cuguaaacaucccugcaguggaagcA.....	2	1	hsa
.....cuguaaacauccCcgcaguggaagcu.....	1	1	hsa
.....cuguaaacaucccugcaguggaagcu.....	18	0	hsa
.....cuguaaacaucccgcCuggaagcu.....	1	1	hsa
.....cuguaaacaucccugcaguggaagcuAu.....	1	1	hsa
.....uguaaacaucccugcagug.....	21	0	hsa
.....uguaaacaucccugcagugU.....	2	1	hsa
.....uguaaacaucccugcagugg.....	131	0	hsa
.....uguaaacaucUucgacugg.....	1	1	hsa
.....uguaaacaucccAacugg.....	1	1	hsa
.....uguaaacaucccugcagugA.....	1	1	hsa
.....ugGaaacaucccugcagugg.....	1	1	hsa
.....uguaaacaucccCacugg.....	1	1	hsa
.....Cguaaacaucccugcagugga.....	1	1	hsa
.....Aguaaacaucccugcagugga.....	1	1	hsa
.....uguaaacaucccugacCgga.....	1	1	hsa
.....uguaaacaucUucgacugga.....	1	1	hsa
.....uCuaaacaucccugcagugga.....	1	1	hsa
.....uguaaacaucccgcGcugga.....	1	1	hsa
.....uguaaacaucccugcagugga.....	144	0	hsa
.....uguaaacaucUucgacuggaa.....	3	1	hsa

Mature

Star

ugcuguugacagugagcgacuguaaacauccucgacuggaagcugugaagccacagaugggcuuucagucggauuuugcagcugccuacugccucggacucaaggggcuacu

.....uguaaacauccucgacuggaC.....	1	1	hsa
.....uguaaacauccucgaUuggaa.....	1	1	hsa
.....Nguaaacauccucgacuggaa.....	2	1	hsa
.....uguaaacauccuAgacuggaa.....	1	1	hsa
.....uguaaacauccucgacuggaa.....	393	0	hsa
.....uguaaUcauccucgacuggaa.....	1	1	hsa
.....uguaaacauccucgacugAaa.....	3	1	hsa
.....uguaaacauccucgacuggaG.....	7	1	hsa
.....uguaaacauccucgacuAga.....	1	1	hsa
.....uguGaacauccucgacuggaa.....	1	1	hsa
.....uguaaacauccucgacuggaU.....	1	1	hsa
.....uguaaacauccucgacugCaa.....	2	1	hsa
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.....uguaaacauccucgUcuggaag.....	1	1	hsa
.....uguaaacGuccucgacuggaag.....	2	1	hsa
.....uguaaacauccucgCuggaag.....	1	1	hsa
.....uguaaacauccucgacugAaa.....	10	1	hsa
.....uguaaacauccucgacugUag.....	1	1	hsa
.....uguaaaUauccucgacuggaag.....	8	1	hsa
.....uguUaacauccucgacuggaag.....	3	1	hsa
.....uguaaacauccucgacuAgaag.....	1	1	hsa
.....ugCaaacauccucgacuggaag.....	4	1	hsa
.....uguaaacauccucgacuggaGg.....	3	1	hsa
.....uguaaacauccucgacuggaU.....	8	1	hsa
.....uguaaacauccucgacuggaA.....	103	1	hsa
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.....uguaaacaucAucgacuggaag.....	7	1	hsa
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.....uguaaacaucUucgacuggaag.....	5	1	hsa
.....uguaaCcauccucgacuggaag.....	3	1	hsa
.....uguaUacauccucgacuggaag.....	1	1	hsa
.....uguaaacauccucgacuggaC.....	5	1	hsa
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.....uguaaaAauccucgacuggaag.....	1	1	hsa
.....uguaaGcauccucgacuggaag.....	1	1	hsa
.....uguaaGcauccucgacuggaagc.....	4	1	hsa
.....uguaaacauccucgacugCaagc.....	11	1	hsa
.....uguaaacauccucgacuUgaagc.....	22	1	hsa
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.....uguaaaUauccucgacuggaagc.....	41	1	hsa
.....uguaaacauccucgCuggaagc.....	7	1	hsa
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.....Nguaaacauccucgacuggaagc.....	68	1	hsa
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.....uguaUacauccucgacuggaagc.....	5	1	hsa

Mature

Star

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.....uguaaacauccucg6cuggaagc.....	7	1	hsa
.....uguaaacauccucgacNggaagc.....	1	1	hsa
.....Aguaaacauccucgacuggaagc.....	11	1	hsa
.....uguaaacGuccucgacuggaagc.....	5	1	hsa
.....uguaaacauccucUacuggaagc.....	9	1	hsa
.....uguaaacauccucgacuggaCgc.....	8	1	hsa
.....uguaaacauc6ucgacuggaagc.....	2	1	hsa
.....uguaaacauccucgacuggUagc.....	4	1	hsa
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.....uguaaa6auccucgacuggaagc.....	3	1	hsa
.....uAuaaacauccucgacuggaagc.....	7	1	hsa
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.....uguaaacauccucga6uggaagc.....	7	1	hsa
.....ugua6acauccucgacuggaagc.....	9	1	hsa
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.....uguaaacauccuAgcuggaagc.....	5	1	hsa
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.....uguaCacauccucgacuggaagc.....	10	1	hsa
.....uguaaacauccucgacuggCagcu.....	25	1	hsa
.....uguaaacaUucugacuggaagcu.....	283	1	hsa
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.....uguaaacauccucCacuggaagcu.....	9	1	hsa
.....uguaaacauccucUacuggaagcu.....	29	1	hsa
.....uguaaacauccucgac6ggaagcu.....	4	1	hsa
.....uguaaacaUAcucgacuggaagcu.....	11	1	hsa
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.....ugAaaacauccucgacuggaagcu.....	8	1	hsa
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.....uguaaaAauccucgacuggaagcu.....	4	1	hsa
.....uguaaacauccucgacuggaagUu.....	54	1	hsa
.....uguaaacauccucgacAggaagcu.....	12	1	hsa
.....uguaaCcauccucgacuggaagcu.....	17	1	hsa
.....uAuaaacauccucgacuggaagcu.....	28	1	hsa
.....uguaaacauccucgacuggaACu.....	7	1	hsa

Mature

Star

ugcuguugacagugagcgacuguaaacauccucgacuggaagcugugaagccacagaugggcuuucagucggauuuugcagcugccuacugccucggacuuaaggggcuacu

.....uguaaacaucGucgacuggaagcu.....	7	1	hsa
.....uguaaacauccucgacuAgaagcu.....	30	1	hsa
.....ugucAacauccucgacuggaagcu.....	2	1	hsa
.....uguaaacGuccucgacuggaagcu.....	13	1	hsa
.....uguaaacauccucgacuggaagcu.....	41924	0	hsa
.....uguaaacauccucgUcuggaagcu.....	6	1	hsa
.....uguaaacauccucgacuUgaagcu.....	44	1	hsa
.....uguaaacauccucgacuggaagcA.....	1601	1	hsa
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.....Nguaaacauccucgacuggaagcu.....	131	1	hsa
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.....uUuaaacauccucgacuggaagcu.....	38	1	hsa
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.....uguaaacaucUucgacuggaagcu.....	100	1	hsa
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.....uguaaacCuccucgacuggaagcu.....	7	1	hsa
.....uguaaacauccucgacuggaagAu.....	26	1	hsa
.....uguaaacauccucgacuggaCgcu.....	18	1	hsa
.....uguaaacauccucgacuggGagcu.....	26	1	hsa
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.....uguaaacauccucgacuggaagGu.....	22	1	hsa
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.....uguaaacauccucgCcuggaagcu.....	28	1	hsa
.....uguaaacauccucgaGuggaagcu.....	6	1	hsa
.....uguaaacaucNucgacuggaagcu.....	1	1	hsa
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.....uguaaacauccucgacuggaauUcu.....	28	1	hsa
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.....ugugAacauccucgacuggaagcu.....	9	1	hsa
.....uguaaaUauccucgacuggaagcu.....	37	1	hsa
.....uguaaacauccGcgacuggaagcu.....	4	1	hsa
.....uguaGacauccucgacuggaagcu.....	12	1	hsa
.....uguaaacaAccucgacuggaagcu.....	8	1	hsa
.....uguaaacauccucgacuggaagcC.....	104	1	hsa
.....Cguaaacauccucgacuggaagcu.....	37	1	hsa
.....uCuaaacauccucgacuggaagcu.....	29	1	hsa
.....uguaaacauccucgacuggaGgcu.....	15	1	hsa
.....uguaaacauccuAgacuggaagcu.....	14	1	hsa
.....uguaaacauccucgacugUaagcu.....	49	1	hsa
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.....uguaaGcauccucgacuggaagcu.....	17	1	hsa
.....Gguaaacauccucgacuggaagcu.....	4	1	hsa
.....uguaaacauccAcgacuggaagcu.....	8	1	hsa
.....uguaaacUuccucgacuggaagcu.....	17	1	hsa
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.....uguaaacaucAucgacuggaagcu.....	26	1	hsa
.....uguaaacauccucgacuggaagcG.....	160	1	hsa
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.....uguaaacauccucgacuggaagcug.....	31	0	hsa
.....uguaaacauccucgacuggaagcuU.....	1264	1	hsa
.....uguaaacauccucgacuggaagcGg.....	1	1	hsa
.....uguaaacauccucgacuggaagcuA.....	490	1	hsa
.....uguaaacauccucgacuggaagcAg.....	7	1	hsa
.....uguaaacauccucgacuggaagcuC.....	18	1	hsa
.....uguaaacauccucgacuggaagcGg.....	2	1	hsa
.....uguaaacauccucgacuggaagcuAu.....	171	1	hsa
.....uguaaacauccucgacuggaagcuUu.....	59	1	hsa
.....uguaaacauccucgacuggaagcugG.....	3	1	hsa

Mature

Star

ugcuguugacagugagcgac	uguaaacauccucgacuggaagc	Ggu	1	1	hsa
.....	uguaaacauccucgacuggaagc	Cu	2	1	hsa
.....	uguaaacauccucgacuggaagc	Cgu	1	1	hsa
.....	uguaaacauccucgacuggaagc	G	4	1	hsa
.....	uguaaacaucUucgacuggaagc	gu	1	1	hsa
.....	uguaaacauccucgacuggaagc	gu	21	0	hsa
.....	uguaaacauccucgacuggaagc	Gg	1	1	hsa
.....	uguaaacauccucgacuggaagc	guC	1	1	hsa
.....	uguaaacauccucgacuggaagc	Aug	1	1	hsa
.....	uguaaacauccucgacuggaagc	Uuga	1	1	hsa
.....	guaaacauccucgacugg		2	0	hsa
.....	guaaacauccucgacugga		2	0	hsa
.....	Uuaaacauccucgacugga		1	1	hsa
.....	Uuaaacauccucgacuggaag		1	1	hsa
.....	guaaacauccucgacuggaag		20	0	hsa
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.....	guaaacauccucgacuggaagc		96	0	hsa
.....	Uuaaacauccucgacuggaagc		9	1	hsa
.....	guaCacauccucgacuggaagc		1	1	hsa
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.....	gAaaacauccucgacuggaagc		1	1	hsa
.....	guaaacauccucgacuggaagA		2	1	hsa
.....	guaaacauccucgacuggaagcu		348	0	hsa
.....	Uuaaacauccucgacuggaagcu		17	1	hsa
.....	guaaacauccucgacuggCagcu		1	1	hsa
.....	guaaacauccucgacuggaagcG		3	1	hsa
.....	guaaacauccucgacugUaagcu		1	1	hsa
.....	guaaacaucUucgacuggaagcu		1	1	hsa
.....	guaaacauccucgacuggaagcA		12	1	hsa
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.....	guCaacauccucgacuggaagcu		1	1	hsa
.....	Nuaaacauccucgacuggaagcu		1	1	hsa
.....	guaaacauccucgacuggaagcC		1	1	hsa
.....	guaaacauccucgacuggaagcuC		2	1	hsa
.....	guaaacauccucgacuggaagcuA		31	1	hsa
.....	guaaacauccucgacuggaagcuU		39	1	hsa
.....	guaaacauccucgacuggaagcuAu		3	1	hsa
.....	uaaacauccucgacuggaag		2	0	hsa
.....	uaaacauccucgacuggaagc		5	0	hsa
.....	uGaacauccucgacuggaagc		1	1	hsa
.....	uaaacauccucgacuggaagcu		15	0	hsa
.....	uaaacauccucgacuggaagcug		1	0	hsa
.....	uaaacauccucgacuggaagcuA		1	1	hsa
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.....	aaacauccucgacuggaagcu		1	0	hsa
.....	acauccucgacuggaagcu		1	0	hsa
.....	cauccucgacuggaagcu		5	0	hsa
.....	Ucuuucagucggauguuugcag		1	1	hsa
.....	Ccuuucagucggauguuugcag		1	1	hsa
.....	gcuuucagucggauguuugcag		3	0	hsa
.....	gcuuucagucggauguuugcagc		1	0	hsa
.....	gcuuucagucggauguuugcagU		7	1	hsa
.....	cuuucagucggauguuug		10	0	hsa
.....	cuuucagucggauguuuUc		1	1	hsa
.....	cuuucagucggGuguuugc		1	1	hsa
.....	cuuucagucggauguuugc		35	0	hsa
.....	cuuucagucggauguuugA		1	1	hsa
.....	cuuucagucggauguuugcG		7	1	hsa
.....	cuuucagucggauguuugca		74	0	hsa
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.....	cuuucagucggauguuGca		1	1	hsa
.....	cuuucagucggauguuugcU		1	1	hsa
.....	cuuucagucggaUuuugca		1	1	hsa
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.....	cuuucagucggauguuugcag		3183	0	hsa
.....	cuuucagucGUuguuugcag		10	1	hsa
.....	cuuucagucggauguuuUcag		11	1	hsa

Mature

Star

ugcuguugacagugagcgacuguaaacauccucgacuggaagcugugaagccacagauggcuuucagucggaguuuugcagcugccuacugccucggacuuaaggggcuaacu

.....Uuuucagucggaguuuugcag.....	11	1	hsa
.....cuuucagucggaguuu6gcag.....	1	1	hsa
.....cuuCcagucggaguuuugcag.....	5	1	hsa
.....cuuucagucggaguuuCcag.....	1	1	hsa
.....Nuuucagucggaguuuugcag.....	9	1	hsa
.....cuuucagucUgaguuuugcag.....	2	1	hsa
.....cuuucagucggaguuuugcaA.....	56	1	hsa
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Mature

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Mature

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