



5'	3'	obs	
		exp	
		known	sample
gagcggagcagcgagcgcccgucuccagccuga	ggugcagugcugcaucucugg	ucaguugggagucugagaugaagcacuguagcuc	aggaagagagaaguugu
gagcggagcagcgagcgcccgucuccagccuga	ggugcagugcugcaucucugg	ucaguugggagucugagaugaagcacuguagcuc	aggaagagagaaguugu
gagcggagcagcgagcgcccgucuccagccuga	ggugcagugcugcaucucuggu	caguugggagucugagaugaagcacuguagcuc	aggaagagagaaguugu
(((.(.(.(.)).))))(((((.(.(((((((((((((.(.)).)).)))))).)))))))).))))))..)).).....	reads	mm	hsa
.....cAgaggugcagugcugcaucucugguc.....	2	1	hsa
.....Aaggugcagugcugcaucucugg.....	2	1	hsa
.....aggugcagugcugcaucucugg.....	1	0	hsa
.....ggugcagugcugcaucuc.....	44	0	hsa
.....gUugcagugcugcaucuc.....	1	1	hsa
.....ggugcaguCcgcaucucu.....	2	1	hsa
.....ggugcagugcugcaucucu.....	218	0	hsa
.....ggugcagugcugUaucucu.....	1	1	hsa
.....ggugcaUugcugcaucucu.....	1	1	hsa
.....Ngugcagugcugcaucucu.....	1	1	hsa
.....ggugcagugUugcaucucu.....	2	1	hsa
.....ggugcCgugcugcaucucug.....	1	1	hsa
.....ggugcagugcugcaucucug.....	32	0	hsa
.....ggugcagugcugcaucucuU.....	1	1	hsa
.....ggugUagugcugcaucucugg.....	1	1	hsa
.....gguUcagugcugcaucucugg.....	1	1	hsa
.....ggugcagugcugcaucuUugg.....	1	1	hsa
.....gUugcagugcugcaucucug.....	2	1	hsa
.....ggugcagugcugcaucucugU.....	4	1	hsa
.....ggCgcagugcugcaucucugg.....	1	1	hsa
.....ggugcagugcugcaucAcugg.....	1	1	hsa
.....ggugcagugcugcaucucugg.....	496	0	hsa
.....ggugcagugcugcauUucugg.....	1	1	hsa
.....ggugcagugcugcaucucugA.....	1	1	hsa
.....ggugcagugcugcaucucuggu.....	199	0	hsa
.....ggugcagugcugcUucucuggu.....	1	1	hsa
.....ggugcagugcugcaucucuggA.....	105	1	hsa
.....ggugcagugcugcaCcucuggu.....	1	1	hsa
.....ggugcagugcugcaucuNuggu.....	1	1	hsa
.....Cgugcagugcugcaucucuggu.....	1	1	hsa
.....Ugugcagugcugcaucucuggu.....	2	1	hsa
.....ggugcagugcugcaucucuUgu.....	1	1	hsa

Star

Mature

gagcggagcagcgagcgccugucuccagccugagggugcagugcugcaucucuggucagugggagucugagaugaagcacugagcucaggaagagagaaguugu

.....ggugcagugcugAaucucuggu.....	1	1	hsa
.....ggugcagugUugcaucucuggu.....	1	1	hsa
.....ggugcagugcugcaucucuggG.....	1	1	hsa
.....ggugcaUugcugcaucucuggu.....	1	1	hsa
.....ggugcagugcugcaucucuggAc.....	1	1	hsa
.....ggugcagugcugcaucucugguG.....	1	1	hsa
.....ggugcagugcugcaucucugguA.....	24	1	hsa
.....ggugcagugcugcaucucuggCc.....	1	1	hsa
.....ggugcagugcugcaucucugguU.....	22	1	hsa
.....ggugcagugcugcaucucuggCuc.....	1	1	hsa
.....ggugcagugcugcaucucuggGc.....	1	1	hsa
.....ggugcagugcugcaucuAugguc.....	1	1	hsa
.....gUugcagugcugcaucucugguc.....	1	1	hsa
.....ggugcagugcugcaucucugguc.....	67	0	hsa
.....ggugcagugcugcaucucugguAa.....	37	1	hsa
.....ggugcagugcugAaucucugguca.....	1	1	hsa
.....ggugcagugcugcaucucugguUa.....	5	1	hsa
.....ggugcagugcugcaucucugguG.....	5	1	hsa
.....ggugcagugcugcaCcucugguca.....	1	1	hsa
.....ggugcagugcugcaucucuggucU.....	49	1	hsa
.....ggugcagugcugcaucucugguca.....	39	0	hsa
.....ggCgagugcugcaucucugguca.....	1	1	hsa
.....ggugcagugcugcaucucuggucaA.....	6	1	hsa
.....ggugcagugcugcaucucugguGag.....	2	1	hsa
.....ggugcagugcugcaucucuggucaU.....	9	1	hsa
.....ucugagaugaagcacuguagc.....	2	0	hsa
.....ucugagaugaagcacuguagcu.....	9	0	hsa
.....ucugagaugaagcacuguagcA.....	4	1	hsa
.....ucugagaugaagcacCGuagcuc.....	1	1	hsa
.....ucugagaugaagcacuguagcuA.....	1	1	hsa
.....ucugagaugaagcacuguagcuc.....	10	0	hsa
.....ucugagaugaagcacuguagcuAa.....	1	1	hsa
.....cugagaugaagcacuguag.....	1	0	hsa
.....cugagaugaagcacuguA.....	2	1	hsa
.....cugagaugaagcacuguagc.....	4	0	hsa
.....cuCagaugaagcacuguagcu.....	1	1	hsa
.....cugagaugaagcacuguagcu.....	30	0	hsa
.....cugagaugaagcacuguagcuA.....	2	1	hsa
.....cugagaugaagcacuguagcuU.....	2	1	hsa
.....Nugagaugaagcacuguagcuc.....	1	1	hsa
.....cugagaugaagcacuguagcuc.....	47	0	hsa
.....cugagaugaagcacuguagcuAa.....	1	1	hsa
.....cugagaugaagcacuguagcucU.....	6	1	hsa
.....cugagaugaagcacuguagcuca.....	1	0	hsa
.....ugagaugaagcacuguA.....	5	1	hsa
.....ugagaugaagcacuguag.....	52	0	hsa
.....Ngagaugaagcacuguagc.....	2	1	hsa
.....ugagaugaagcacuguagc.....	512	0	hsa
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.....ugagaugaGcacuguagc.....	1	1	hsa
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.....ugagauAaagcacuguagc.....	2	1	hsa
.....ugagaugaagcCcuguagc.....	1	1	hsa
.....ugagaugaagcacuguGgc.....	1	1	hsa
.....uUagaugaagcacuguagc.....	1	1	hsa
.....ugagaugaagcacugAagc.....	1	1	hsa
.....ugagaugaagcacuguA.....	6	1	hsa
.....ugagaugaagcacuUuagc.....	2	1	hsa
.....ugagauCaagcacuguagc.....	1	1	hsa
.....ugagaugaagcacuguUc.....	1	1	hsa
.....ugagaugaagUacuguagc.....	1	1	hsa
.....ugagauGagcacuguagc.....	1	1	hsa
.....ugagauGagcacuguagcu.....	2	1	hsa
.....ugagauAaagcacuguagcu.....	12	1	hsa
.....ugagaugaagcGcuguagcu.....	3	1	hsa
.....ugagaugaagcacuAuagcu.....	5	1	hsa

Star

Mature

gagcggagcagcgagcgccccugucuccagccugaggugcagugcugcaucucuggucaguugggagucugagaugaagcagcugagcucaggaagagagaaguugu

.....ugagaugaagcagcugGgc.....	2	1	hsa
.....ugagaugaUgcacugagcu.....	2	1	hsa
.....ugUgaugaagcagcugagcu.....	1	1	hsa
.....Ggagaugaagcagcugagcu.....	4	1	hsa
.....ugaCaugaagcagcugagcu.....	1	1	hsa
.....ugaUaugaagcagcugagcu.....	3	1	hsa
.....ugagauNaagcagcugagcu.....	1	1	hsa
.....Agagaugaagcagcugagcu.....	1	1	hsa
.....ugagaugaagcaAugagcu.....	1	1	hsa
.....ugagaugaagcagcugagcu.....	3220	0	hsa
.....ugagaugaagUacugagcu.....	4	1	hsa
.....ugagaugaagcacUuagcu.....	8	1	hsa
.....ugagaugaagcagcuaUcu.....	7	1	hsa
.....ugagaugaagAacugagcu.....	2	1	hsa
.....ugagaCgaagcagcugagcu.....	1	1	hsa
.....ugagaugaagcCcugagcu.....	1	1	hsa
.....ugaAaugaagcagcugagcu.....	2	1	hsa
.....ugGgaugaagcagcugagcu.....	1	1	hsa
.....ugagaugaagcacuCuagcu.....	2	1	hsa
.....Cgagaugaagcagcugagcu.....	4	1	hsa
.....uCagaugaagcagcugagcu.....	2	1	hsa
.....ugagaugaagcacGguagcu.....	1	1	hsa
.....ugagaugUagcagcugagcu.....	2	1	hsa
.....ugagaugaCgcagcugagcu.....	2	1	hsa
.....Ngagaugaagcagcugagcu.....	10	1	hsa
.....uUagaugaagcagcugagcu.....	3	1	hsa
.....ugagaugaagcaUugagcu.....	8	1	hsa
.....ugagaugaagcacAguagcu.....	1	1	hsa
.....ugagaugaGgcagcugagcu.....	2	1	hsa
.....ugagauUaagcagcugagcu.....	1	1	hsa
.....ugagUugaagcagcugagcu.....	1	1	hsa
.....ugagaugaaAcacugagcu.....	3	1	hsa
.....ugagaugaagcacCguagcu.....	3	1	hsa
.....ugagaAgaagcagcugagcu.....	1	1	hsa
.....ugagaugaagcagcugUu.....	3	1	hsa
.....ugagaugaagcacuguCgc.....	2	1	hsa
.....ugagaugaaUcacugagcu.....	2	1	hsa
.....ugagaugaagcagcuaCcu.....	3	1	hsa
.....ugagaugaagcacugCagcu.....	3	1	hsa
.....ugagaugaagcUcugagcu.....	1	1	hsa
.....ugCgaugaagcagcugagcu.....	2	1	hsa
.....ugagaugaagcacugAagcu.....	3	1	hsa
.....ugagaugGagcagcugagcu.....	2	1	hsa
.....ugagaugaagcagcugagcC.....	2	1	hsa
.....ugagaugaagcagcugagcA.....	19	1	hsa
.....ugagauCaagcagcugagcu.....	1	1	hsa
.....uAagaugaagcagcugagcu.....	6	1	hsa
.....ugagaugaagcGcugagcuc.....	4	1	hsa
.....ugagaugaagcacuCuagcuc.....	6	1	hsa
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.....ugagaugaagAacugagcuc.....	2	1	hsa
.....ugagaugaaUcacugagcuc.....	7	1	hsa
.....ugagaugaagcacugNagcuc.....	1	1	hsa
.....ugagaugaagcaUugagcuc.....	24	1	hsa
.....ugagaCgaagcagcugagcuc.....	4	1	hsa
.....ugagaugaagcacugagAuc.....	17	1	hsa
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.....ugagaugaagcaAugagcuc.....	3	1	hsa
.....ugaAaugaagcagcugagcuc.....	3	1	hsa
.....ugagaAgaagcacugagcuc.....	1	1	hsa
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.....Ngagaugaagcacugagcuc.....	15	1	hsa
.....ugagaugaagcacugagcGc.....	2	1	hsa
.....ugagaugaagcacuguaAcuc.....	5	1	hsa
.....ugagaugaagcagcugagcuc.....	7421	0	hsa
.....ugagaugaagcacugagcCc.....	2	1	hsa
.....ugagaugaagUacugagcuc.....	22	1	hsa

Star

Mature

gagcggagcagcgcgagcgcgccugucuccagccugagggugcagugcugcaucucuggucaguugggagucugagaugaagcagcugagcucaggaagagagaaguugu

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.....ugagaugaagcUcuguaagcuc.....	1	1	hsa
.....ugagaugaagcacugAagcuc.....	8	1	hsa
.....ugagaugaagcacuguaUuc.....	10	1	hsa
.....ugagaugUagcacuguaagcuc.....	1	1	hsa
.....ugagCugaagcacuguaagcuc.....	6	1	hsa
.....ugagaugaagcacuguaUcuc.....	26	1	hsa
.....ugagaugaagcacuguaagcuA.....	144	1	hsa
.....ugagaugGagcacuguaagcuc.....	2	1	hsa
.....ugagaugaGgcacuguaagcuc.....	2	1	hsa
.....ugagaugaagcacuguaagcAc.....	2	1	hsa
.....ugagaugaagcacUuagcuc.....	22	1	hsa
.....ugUgaugaagcacuguaagcuc.....	4	1	hsa
.....uCagaugaagcacuguaagcuc.....	5	1	hsa
.....ugagaugaagcacGguagcuc.....	4	1	hsa
.....ugagaugaagcacuguCgcuc.....	5	1	hsa
.....Cgagaugaagcacuguaagcuc.....	11	1	hsa
.....ugagaugaagcacuguaagcuU.....	132	1	hsa
.....ugagaugaagcacugCagcuc.....	9	1	hsa
.....uAagaugaagcacuguaagcuc.....	24	1	hsa
.....ugagaugaagcacuguaagGuc.....	1	1	hsa
.....ugagUugaagcacuguaagcuc.....	2	1	hsa
.....Agagaugaagcacuguaagcuc.....	3	1	hsa
.....ugagaugaUgcacuguaagcuc.....	1	1	hsa
.....ugagaugaagGacuguaagcuc.....	2	1	hsa
.....ugaCaugaagcacuguaagcuc.....	3	1	hsa
.....ugCgaugaagcacuguaagcuc.....	5	1	hsa
.....ugagaugaagcacAguagcuc.....	3	1	hsa
.....ugaUaugaagcacuguaagcuc.....	5	1	hsa
.....Ggagaugaagcacuguaagcuc.....	1	1	hsa
.....ugagaugaagcCcuguaagcuc.....	2	1	hsa
.....ugGgaugaagcacuguaagcuc.....	8	1	hsa
.....uUagaugaagcacuguaagcuc.....	13	1	hsa
.....ugagGugaagcacuguaagcuc.....	5	1	hsa
.....ugagaugaaCcacuguaagcuc.....	2	1	hsa
.....ugagaugaagcacuguaagcuG.....	3	1	hsa
.....ugagaugaagcaGuguaagcuc.....	2	1	hsa
.....ugagaugaagcacCguagcuc.....	6	1	hsa
.....ugagaugaaAcacuguaagcuc.....	6	1	hsa
.....ugagauUaagcacuguaagcuc.....	10	1	hsa
.....ugagaugaagcacugCagcuca.....	1	1	hsa
.....Ggagaugaagcacuguaagcuca.....	1	1	hsa
.....ugagaugaagcacuguaagcucG.....	4	1	hsa
.....ugagaugaagcacuguaagcucC.....	10	1	hsa
.....ugagaugaagcacuguaagcuUa.....	1	1	hsa
.....ugagaugaagcacuguaagcuca.....	166	0	hsa
.....ugagaugaagcacUuagcuca.....	1	1	hsa
.....ugaUaugaagcacuguaagcuca.....	1	1	hsa
.....ugagaugaagcacuguaagcuAa.....	28	1	hsa
.....Agagaugaagcacuguaagcuca.....	1	1	hsa
.....ugagaugaagcacuguaAcuca.....	1	1	hsa
.....ugagauUaagcacuguaagcuca.....	1	1	hsa
.....ugagaugaagcacugAagcuca.....	1	1	hsa
.....Ngagaugaagcacuguaagcuca.....	2	1	hsa
.....ugagaugaagcacuguaagcucU.....	484	1	hsa
.....uAagaugaagcacuguaagcuca.....	2	1	hsa
.....ugagaugaagcacuguaagcucaA.....	26	1	hsa
.....ugagaugaagcacuguaagcucUg.....	1	1	hsa
.....ugagaugaagcacuguaagcucag.....	1	0	hsa
.....ugagaugaagcacuguaagcucaU.....	6	1	hsa
.....ugagaugaagcacuguaagcucCgg.....	1	1	hsa
.....ugagaugaagcacuguaagcucaAg.....	1	1	hsa
.....ugagaugaagcacuguaagcucaAgaa.....	1	1	hsa
.....gagaugaagcacuguaagc.....	4	0	hsa
.....gagaugaagUacuguaagc.....	1	1	hsa
.....Uagaugaagcacuguaagcu.....	1	1	hsa
.....gagaugaagcaUuguagcu.....	1	1	hsa
.....gagaugaagcacuguaagcu.....	8	0	hsa
.....gagaugaagcCcuguaagcuc.....	1	1	hsa
.....gagaugaagcacuguaagcuc.....	33	0	hsa

Star

Mature

gagcggagcagcgagcgcccgucuccagccuga ggugcagugcugcaucucuggucaguugggagucugagaugaagcacuguagcuc aggaagagagaaguugu				
.....	gagauUaagcacuguagcuc.....	2	1	hsa
.....	gagaugaagcacuguagcuA.....	1	1	hsa
.....	Uagaugaagcacuguagcuc.....	2	1	hsa
.....	gagaugaagcacuguagcuca.....	1	0	hsa
.....	gagaugaagcacuguagcucU.....	2	1	hsa
.....	agaugaagcacuguagcu.....	1	0	hsa
.....	agaugaagcacuguagcuc.....	8	0	hsa