



5'	aaauucccacgagucacuugua <u>uaccgggaaaaa</u> uacaagugacucgugggauuuccauaguauaccacucgaaagcguugcauaacuagauauauugcaauuuucgca	-3'	obs	
	aa <u>uaucccacgagucacuugua</u> <u>uaccgggaaaaa</u> uacaagugacucgugggauuuccauaguauaccacucgaaagcguugcauaacuagauauauugcaauuuucgca		exp	
	((((((((((((((((((((.....)))))))))))))))).....(((.....(((.....))))))))))..	reads	mm	sample
	.....agugacucgugggauuu.....	1	0	s15
	.....agugacucguUggauuuucca.....	2	1	s15
	.....ugacucgugggauuuuccauaguauaccC.....	1	1	s15
	.....ugacucgugggauuuuccauaguauaccU.....	2	1	s15
	.auaucccacgagucacuug.....	1	0	s03
	.....caagugacucgugggauuu.....	1	0	s03
	.....agugacucgugggauuuucc.....	4	0	s03
	.....agugacucgugggauuuucca.....	2	0	s03
	.....uacaagugacucgugggauu.....	1	0	s06
	.....uacaagugacucgugggauuuuccauag.....	1	0	s06
	.....caagugacucgugggauuu.....	14	0	s06
	.....aagugacucgugggauuuuc.....	1	0	s06
	.....agugacucgugggauuu.....	8	0	s06
	.....agugacucgugggauuuuc.....	1	0	s06
	.....agugacucgugggauuuucc.....	3	0	s06
	.....agugacucgugggauuuucU.....	2	1	s06
	.....agugacucgugggauuuucca.....	1	0	s06
	.....ugacucgugggauuuuccauC.....	1	1	s06
	.....ucgaaagcguugcauaac.....	1	0	s06
	.....aaaauacaagugacucgugggU.....	1	1	s07
	.....aaauacaagugacucguggg.....	2	0	s07
	.....uacaagugacucgugggauuuuccaua.....	5	0	s07
	.....caagugacucgugggauuu.....	10	0	s07
	.....caagugacucgugggauuuΔc.....	2	1	s07
	.....agugacucgugggauuu.....	3	0	s07
	.....agugacucgugggauuuuc.....	1	0	s07
	.....agugacucgugggauuuucc.....	1	0	s07
	.....agugacucgugggauuuucU.....	1	1	s07
	.....agugacucgugggauuuucca.....	2	0	s07
	.....ugacucgugggauuuucca.....	2	0	s07

Star

Mature

aaauucccagagucacucguauaccgggaaaauacaagugacucgugggaaauuccauaguauaccacucgaaagcguugcauaacuagauauauugcaauuuucgca

.....ugacucgugggaaauuccau.....	1	0	s07
.....ugacucgugggaaauuccau.....	1	0	s07
.....ugggaaauuccauaguauaccacucgaaag.....	1	0	s07
.....uuccauaguaGaccacucg.....	1	1	s07
.....uaguauaccacucgaaagcgu.....	1	0	s07
..uaucccacgagucacuugu.....	4	0	s09
.....aaaauacaagugacucgu.....	1	0	s09
.....uacaagugacucguggga.....	1	0	s09
.....uacaagugacucgugggaa.....	2	0	s09
.....uacaagugacucgugggaaau.....	1	0	s09
.....caagugacucgugggaaauu.....	2	0	s09
.....caagugacucgugggaaauuc.....	2	0	s09
.....agugacucgugggaaauuc.....	2	0	s09
.....agugacucgugggaaauuccau.....	1	0	s09
.....ugacucgugggaaauuccau.....	1	0	s09
..uaucccacgagucacuug.....	1	0	s04
.....agugacucgugggaaauucca.....	1	0	s04
.....uacaagugacucgugggaa.....	2	0	s08
.....uacaagugacucgugggaaauuccau.....	1	0	s08
.....caagugacucgugggaaauu.....	3	0	s08
.....agugacucgugggaaauu.....	1	0	s08
.....agugacucgugggaaauucc.....	9	0	s08
.....agugacucgugggaaauucU.....	3	1	s08
.....agugacucgugggaaauuccG.....	1	1	s08
.....agugacucgugggaaauucca.....	3	0	s08
.....agugacucgugggaaauuccau.....	1	0	s08
.....gugacucgugggaaauucc.....	1	0	s08
.....ugacucgugggaaauuccaG.....	2	1	s08
.....ugacucgugggaaauuccau.....	2	0	s08
.....auaccacuAgaagcguu.....	1	1	s08
.....aaaauacaagugacucgugU.....	1	1	s16
.....aaauacaagugacucguggG.....	1	1	s16
.....uacaagugacucgugggaa.....	1	0	s16
.....caagugacucgugggaaau.....	2	0	s16
.....caagugacucgugggaaauu.....	1	0	s16
.....agugacucgugggaaauuc.....	2	0	s16
.....agugacucgugggaaauucca.....	2	0	s16
.....ugacucgugggaaauuccau.....	1	0	s16
.....ucgaaagcguugcauaacu.....	1	0	s16
.....aaaauacaagugacucgu.....	1	0	s10
.....caagugacucgugggaaauu.....	5	0	s10
.....agugacucgugggaaauucc.....	2	0	s10
.....ugacucgugggaaauucca.....	2	0	s10
.....uacaagugacucgugggaa.....	1	0	s17
.....caagugacucgugggaaauu.....	2	0	s17
.....caagugacucgugggaaauuc.....	2	0	s17
.....agugacucgugggaaauu.....	2	0	s17
.....agugacucgugggaaauuc.....	1	0	s17
.....agugacucgugggaaauucc.....	2	0	s17
.....agugacucgugggaaauucU.....	2	1	s17
.....agugacucgugggaaauucca.....	7	0	s17
.....cauaguauaccacucgaaaCogu.....	1	1	s17
.....auacaagugacucgugggaa.....	3	0	s01
.....uacaagugacucgugggaa.....	3	0	s01
.....caagugacucgugggaaau.....	2	0	s01
.....caagugacucgugggaaGauu.....	1	1	s01
.....caagugacucgugggaaauu.....	6	0	s01
.....caagugacucgugggaaauuc.....	1	0	s01
.....aagugacucgugggaaauu.....	1	0	s01
.....agugacucgugggaaauu.....	1	0	s01
.....agugacucgugggaaauucc.....	8	0	s01
.....agugacucgugggaaauucca.....	5	0	s01
.....uuccauaguauaccacucgaaagcgu.....	1	0	s01

Star

Mature

aaauucccagagucacugua <u>uaccggg</u> aaaa <u>ucaagugacucguggg</u> auuuccauaguauaccacucgaaagcguugcauaacua <u>guauauauugcauuuu</u> ucgca			
.....uaccacucgaaagcguugcauaaGuag.....	1	1	s01
aaauucccagagucacug.....	1	0	s13
.auauucccagagucacuugua.....	1	0	s13
.uauucccagaguc <u>G</u> cuugua.....	1	1	s13
.uauucccagagucacuugua.....	1	0	s13
.....aaa <u>uacaagugacucguggg</u>	1	0	s13
.....uacaagugacucguggg <u>aua</u>	1	0	s13
.....uacaagugacucguggg <u>auau</u>	2	0	s13
.....caagugacucguggg <u>aua</u>	1	0	s13
.....caagug <u>G</u> cucguggg <u>auauu</u>	1	1	s13
.....caagugacucguggg <u>auauu</u>	18	0	s13
.....caagugacucguggg <u>auauu</u> c.....	1	0	s13
.....caagugacucguggg <u>auauu</u> Ac.....	1	1	s13
.....caagugacucguggg <u>auauu</u> ccauag <u>ua</u>	1	0	s13
.....agugacucgu <u>U</u> gg <u>auauu</u>	2	1	s13
.....agugacucguggg <u>auauu</u>	28	0	s13
.....agug <u>G</u> cucguggg <u>auauu</u>	1	1	s13
.....agugacucgu <u>U</u> gg <u>auauu</u> c.....	1	1	s13
.....agugacucguggg <u>auauu</u> c.....	10	0	s13
.....agugacucguggg <u>auauu</u> c <u>U</u>	3	1	s13
.....agugacucguggg <u>auauu</u> cca.....	11	0	s13
.....agugacucguggg <u>auauu</u> ccau.....	1	0	s13
.auauucccagagucacuug.....	1	0	s12
.uauucccagagucacuugu.....	1	0	s12
.....Caaa <u>uacaagugacucguggg</u> a.....	1	1	s12
.....aaa <u>uacaagugacucguggg</u> U.....	1	1	s12
.....uacaagugacucguggg <u>auau</u>	5	0	s12
.....caagugacucguggg <u>auau</u>	1	0	s12
.....caagugacucguggg <u>auauu</u>	6	0	s12
.....aagugacucguggg <u>auauu</u>	2	0	s12
.....agugacucguggg <u>auauu</u>	2	0	s12
.....agugacucguggg <u>auauu</u> c <u>U</u>	1	1	s12
.....agugacucguggg <u>auauu</u> cca.....	1	0	s12
.....agugacucguggg <u>auauu</u> ccauC.....	1	1	s12
.....ugacucguggg <u>auauu</u> cc <u>G</u> u.....	2	1	s12
.....ugacucguggg <u>auauu</u> ccau.....	1	0	s12
.....ugacucguggg <u>auauu</u> ccaua.....	4	0	s12
.....uauuccauaguauaccac.....	1	0	s12
.....uauuccauaguauaccacucga.....	1	0	s12
.....aaa <u>uacaagugacucg</u>	4	0	s14
.....caagugacucguggg <u>auauu</u>	1	0	s14
.....agugacucguggg <u>auauu</u> c.....	3	0	s14
.....agugacucguggg <u>auauu</u> cca.....	2	0	s14
.....aa <u>uacaagugacucguggg</u> auauuuccGuag.....	1	1	s19
.....auacaagugacucguggg <u>au</u>	1	0	s19
.....uacaagugacucguggg <u>au</u>	2	0	s19
.....caagugacucguggg <u>auauu</u>	9	0	s19
.....caagugacucguggg <u>auauu</u> ccau.....	1	0	s19
.....agugacucguggg <u>auauu</u> c <u>U</u>	1	1	s19
.....agugacucguggg <u>auauu</u> cc.....	2	0	s19
.....agugacucguggg <u>auauu</u> cca.....	5	0	s19
.....ugacucguggg <u>auauu</u> cca.....	3	0	s19
.....ugacucguggg <u>auauu</u> ccau.....	1	0	s19
.....ugacucguggg <u>auauu</u> cca <u>ua</u>	4	0	s19
.uauucccagagucacuugua.....	3	0	s18
.....aaa <u>uacaagugacucguggg</u> C.....	2	1	s18
.....uacaagugacucguggg <u>auauu</u> ccau.....	1	0	s18
.....uacaagugacucguggg <u>auauu</u> ccaua.....	2	0	s18
.....uacaagugacucguggg <u>auauu</u> ccauag.....	3	0	s18
.....caagugacucguggg <u>auauu</u>	6	0	s18
.....caagugacucguggg <u>auauu</u> c.....	1	0	s18
.....ugacucguggg <u>auauu</u> cca <u>ua</u>	1	0	s18
.....uauuccauaguauaccacucgaaagcguu.....	1	0	s18
.auauucccagagucacuugu.....	1	0	s05

Star

Mature

aauauccacgagucacuu <u>g</u> ua <u>u</u> accgggaaa <u>u</u> acaagugacucgugggau <u>u</u> uccauaguauaccacucgaaagcguugcau <u>a</u> acuag <u>u</u> auauugcauuuucgca			
. .uauccacgagucGcuugua	1	1	s05
. .uauccacgagucacuugua	2	0	s05
.caagugacucgugggauuu	3	0	s05
.aagugacucgugggauuuc	1	0	s05
.agugacucgugggauuu	1	0	s05
.agugacucgugggauuucc	1	0	s05
.cucgaaagcguugcau <u>a</u> acuag <u>u</u> auaCauu	1	1	s05
.caagugacucgugggauuu	2	0	s11
.agugacucgugggauuucc	1	0	s11
aauauccacgagucacu	3	0	s02
aauauccacgagucacu <u>g</u>	1	0	s02
aauauccacgagucacu <u>u</u> g	2	0	s02
. auauccacgagucacu	1	0	s02
. .uauccacgagucacuug	5	0	s02
. .uauccacgagucacuug <u>a</u>	5	0	s02
. .uuccacgagucacuug <u>a</u>	1	0	s02
. . .uccacgagucacuug <u>u</u> aC	1	1	s02
.uauaccgggaaaa <u>u</u> aca <u>g</u> u	1	0	s02
.aaaa <u>u</u> acaagugacucgug <u>g</u>	1	0	s02
.aaaa <u>u</u> acaagugacucgu <u>U</u> gg	1	1	s02
.aaaa <u>u</u> acaagugacucgug <u>g</u> U	1	1	s02
.aaa <u>u</u> acaagugacucgug	2	0	s02
.aaa <u>u</u> acaagugacucgugggaua	1	0	s02
.uacaagugacucgugggaua	10	0	s02
.uacaagugacucgugggau <u>u</u>	1	0	s02
.uacaagugacucgugggaua <u>u</u>	1	1	s02
.uacaagugacucgugggau <u>u</u> uc <u>U</u>	1	1	s02
.caagugacucgugggau <u>u</u>	1	0	s02
.caagugacucgugggauuu	113	0	s02
.caagugacucgugggau <u>u</u> uA	4	1	s02
.caagugacucgugggau <u>u</u> uuc	1	0	s02
.caagugacucgugggau <u>u</u> uucc	1	0	s02
.caagugacucgugggau <u>u</u> uucU	2	1	s02
.aagugacucgugggau <u>u</u>	4	0	s02
.aagugacucgugggauuu	9	0	s02
.aagug <u>U</u> cucgugggauuu	1	1	s02
.aagugacucgugggau <u>u</u> uuc	3	0	s02
.aagugacucgugggau <u>u</u> uucc	1	0	s02
.aagugacucgugggau <u>u</u> uucU	1	1	s02
.aagugacucgugggau <u>u</u> uucU <u>u</u>	1	1	s02
.agugacucgugggauuu	35	0	s02
.agugacucgugggau <u>u</u> uuc	12	0	s02
.agugacucgugggau <u>u</u> uucc	34	0	s02
.agugacucgugggau <u>u</u> uucU	12	1	s02
.agugacucgugggau <u>u</u> uucca	32	0	s02
.agugacucgugggau <u>u</u> uuccaA	1	1	s02
.agugacucgugggau <u>u</u> uuccaGa	1	1	s02
.agugacucgugggau <u>u</u> uuc <u>u</u> caua	1	1	s02
.gugacucgugggau <u>u</u> uucU <u>u</u> a	2	1	s02
.ugacucgugggau <u>u</u> uucca	6	0	s02
.ugacucgugggau <u>u</u> uuccau	1	0	s02
.ugacucgugggau <u>u</u> uuccaua	3	0	s02
.ugacucgugggau <u>u</u> uuccauC	1	1	s02
.auauuccauaguauaccacu	1	0	s02
.uauuccauaguauaccacu	1	0	s02
.auuccauaguauaccacucU	1	1	s02
.auuccauaguauaccacucga	1	0	s02
.auaguauaccacucgaaagc	1	0	s02
.uaguauaccacucgaaagcU	2	1	s02
.uaguauaccacucgaaagcg	1	0	s02
.uaguauaccacucgaaagcgu	2	0	s02
.cucgaaagcguugcau <u>a</u> acuag	1	0	s02
.ucgaaagcguugGau <u>a</u> acu	1	1	s02
.ucgaaagcguugcau <u>a</u> acuagua	3	0	s02
.ucgaaagcguugcau <u>a</u> acuaguaGauuu	1	1	s02
.aGagcguugcau <u>a</u> acuagu	2	1	s02