



	-3'	obs	
		exp	
	reads	mm	sample
uaaucuaagauagcaauuccuaaggacugcuaaggaucauuuccauguauguauugguugaaca <u>uaaaauuguccagccagacauaacauugcaa</u> ugguccuaaguacaau			
uaaucuaagauagcaauuccuaaggacugcuaaggaucauu <u>c</u> auguauguauugguugaaca <u>a</u> uaaa <u>uuguccagccagacauaacauugcaa</u> ugguccuaaguacaau			
(((((((.....)))..)))).(((((((((.(((((((.(((((((.....))))).)))))).)))))))).(.....)))))))).			
.uccagccagacauacauCg.	1	1	s05
.uccagccagacauacauCgc.	8	1	s05
.uccagccagacauacauCgca.	3	1	s05
.uccagccagacauacauCgcaa.	2	1	s05
.uccagccagacauacauCgcaau.	5	1	s05
.cagccagacauacauCgca.	1	1	s05
.uccagccagacauacauC.	2	1	s18
.uccagccagacauacauu.	2	0	s18
.uccagccagacauacauuU.	1	1	s18
.uccagccagacauacauugU.	1	1	s18
.uccagccagacauacauugca.	3	0	s18
.uccagccagacauacauugcaa.	1	0	s18
.uccagccagacauacauugcaau.	3	0	s18
.uccagccagacauacauC.	7	1	s02
.uccagccagaUauacauu.	1	1	s02
.uccagccagGcauacauu.	1	1	s02
.uccagccagacauacauu.	27	0	s02
.uccagccagacauacaAu.	2	1	s02
.Accagccagacauacauu.	1	1	s02
.ucGagccagacauacauu.	1	1	s02
.uccagccagacauacauA.	10	1	s02
.Cccagccagacauacauu.	2	1	s02
.uccagccagacauacauuU.	6	1	s02
.uccagccagaAauacauug.	2	1	s02
.uccagccagacauacauuA.	4	1	s02
.uccagccagacauacauug.	25	0	s02
.Accagccagacauacauug.	1	1	s02
.uccagccagacauacauugc.	52	0	s02
.uccagcUagacauacauugc.	1	1	s02
.uccagccagacauacauugA.	1	1	s02
.uccagccagacauaUauugc.	1	1	s02

Star Mature

uaaucuaagauagcaauuccuaaggacugcauaggaucauuuccauguagugguugaacaauaaauuguccagccagacauacauugcaaugguccuaaguacaau

.....uccagccagacauacauugU.....	31	1	s02
.....uccagccagacauacauugCG.....	1	1	s02
.....ucUagccagacauacauugca.....	1	1	s02
.....uccagccagacauacauugcU.....	2	1	s02
.....uccagccagacauacauugGa.....	1	1	s02
.....uccagccagacAauacauugca.....	2	1	s02
.....Accagccagacauacauugca.....	2	1	s02
.....uccagccagacauacauugca.....	163	0	s02
.....ucAagccagacauacauugca.....	2	1	s02
.....uccagccagacauacauAagca.....	1	1	s02
.....uccagccagacauacauuAca.....	1	1	s02
.....Gccagccagacauacauugca.....	1	1	s02
.....uccagccagacauacGuugca.....	1	1	s02
.....uccagUcagacauacauugca.....	1	1	s02
.....uccagccagacauacauCgca.....	1	1	s02
.....uccagccagacGuacauugca.....	2	1	s02
.....uccagccagacauacauugAa.....	1	1	s02
.....Cccagccagacauacauugca.....	3	1	s02
.....uccagccagacauacAaugcaa.....	1	1	s02
.....uccagcAagacauacauugcaa.....	1	1	s02
.....uccagccagacauacauugcaa.....	107	0	s02
.....uccagccagacauacauugcaU.....	4	1	s02
.....uccagccagacAauacauugcaa.....	1	1	s02
.....uccagccagacauacauCgcaa.....	1	1	s02
.....uccagccagacauacGuugcaa.....	1	1	s02
.....uccagccagacauacauuAcaa.....	1	1	s02
.....uccagccagacauacAaugcaa.....	1	1	s02
.....uccagccagacauacauugcGa.....	4	1	s02
.....uccagccagacauacauugcaaC.....	23	1	s02
.....uccagccagacauacauugcaUu.....	3	1	s02
.....uccagccagacauacauCgcaau.....	1	1	s02
.....uccagccagacauacauugcaau.....	100	0	s02
.....uccagccagacauCcauugcaau.....	1	1	s02
.....uccagccagacauGcauugcaau.....	1	1	s02
.....uccagccagacauacauugcaaA.....	17	1	s02
.....uccagccagacauacAugcaau.....	1	1	s02
.....uccagccagacauacauuAcaau.....	1	1	s02
.....uccagccGgacauacauugcaau.....	1	1	s02
.....uccagccagacauacauugcaauA.....	7	1	s02
.....uccagccagacauacauugcaauC.....	4	1	s02
.....uccagccagacauacauugcaauU.....	6	1	s02
.....cagccagacauacauugcaaC.....	1	1	s02
.....cagccagacauacauugcaauA.....	1	1	s02
.....uccagccagacauacauugcG.....	2	1	s11
.....uccagccagacauacGuugca.....	1	1	s11
.....uccagccagacauacauugcaa.....	1	0	s11
.....uccagccagacauacauugcaau.....	3	0	s11
.....uccagccagacauacGuu.....	2	1	s17
.....Cccagccagacauacauu.....	1	1	s17
.....uccagccagacauacauA.....	3	1	s17
.....uccagccagacauacauu.....	8	0	s17
.....uccagccagacauacauC.....	1	1	s17
.....uccagUcagacauacauu.....	1	1	s17
.....uccagccagacauacauuA.....	1	1	s17
.....uccagccagacauacauug.....	3	0	s17
.....uccagccagacauacauugc.....	2	0	s17
.....uccagccagacauacauugca.....	7	0	s17
.....uccagccagacauacauugcaU.....	2	1	s17
.....uccagccagacauacauugcaa.....	4	0	s17
.....uccagccagacauacauugcaaA.....	1	1	s17
.....uccagccagacauacauugcaau.....	2	0	s17
.....uccagccagacauacauugcaauU.....	1	1	s17
.....uccagccagacauacauC.....	3	1	s01
.....uccagccagacauacauA.....	2	1	s01
.....uccagccagacauacauu.....	12	0	s01
.....uccagccagacauacauug.....	10	0	s01
.....uccagccagacauacauuA.....	2	1	s01

Star

Mature

uaau <u>cua</u> agauagcaauuccuaaggacugcauaggaucauu <u>ucca</u> gu <u>aug</u> u <u>gg</u> u <u>ga</u> aca <u>uaa</u> au <u>ug</u> uccagccagacaucau <u>ug</u> ca <u>aug</u> guccuaag <u>u</u> aca <u>au</u>			
.....uccagccagacaucauuU.....	2	1	s01
.....uccagccagacaucauugA.....	2	1	s01
.....uccagccagacaucauugca.....	8	0	s01
.....uccagccagacaucauugcaa.....	7	0	s01
.....uccagccagacaucauugcaU.....	1	1	s01
.....uccagccagacaucauugcaau.....	2	0	s01
.....uccagccagacaucauugcaaA.....	2	1	s01
.....uccagccagacaucauugcaaC.....	1	1	s01
.....uccagccagacaucauugcaauU.....	1	1	s01
.....uccagccagacaucauC.....	2	1	s10
.....uccagccagacacacauu.....	1	1	s10
.....uccagccagacaucauu.....	7	0	s10
.....uccagccagacaucauug.....	8	0	s10
.....uccagccagacaucauuA.....	2	1	s10
.....uccagccagacaucauuU.....	2	1	s10
.....uccagccagacaucauugU.....	4	1	s10
.....uccagccagacaucauugc.....	6	0	s10
.....uccagccagacaucauugcU.....	1	1	s10
.....Gccagccagacaucauugca.....	1	1	s10
.....uccagccagacaucauugca.....	9	0	s10
.....uccagccagacaucauuUcaa.....	1	1	s10
.....uccagccagacauacGuugcaa.....	1	1	s10
.....uccagccagacaucauugcaa.....	25	0	s10
.....uccagccagacaucauugcGa.....	3	1	s10
.....uccagccagacaucauugcaG.....	1	1	s10
.....uccagccGgacaucauugcaa.....	3	1	s10
.....uccagccagacaucauugcaU.....	1	1	s10
.....uccagccagacaucauugcaaA.....	3	1	s10
.....uccagcGagacaucauugcaau.....	1	1	s10
.....uccagccagacaucauugcaaC.....	1	1	s10
.....uccagccagacaucauugcaau.....	13	0	s10
.....uccagccagCcaucauugcaau.....	2	1	s10
.....uccagccagacaucauugcaauU.....	7	1	s10
.....ucca <u>gu</u> au <u>gu</u> auA <u>gu</u> gaaca.....	3	1	s14
.....uccagccagacaucauu.....	1	0	s14
.....uccagccagacaucauug.....	4	0	s14
.....uccagccagacaucauuU.....	1	1	s14
.....uccagccagacaucauugcaa.....	3	0	s14
.....uccagccagacaucauugcGa.....	5	1	s14
.....uccagccagacaucauugcaau.....	2	0	s14
.....uccagccagacaucauu.....	6	0	s19
.....uccagccagacaucauug.....	6	0	s19
.....uccagccagacaucauuA.....	1	1	s19
.....uccagccagacauUcauug.....	1	1	s19
.....uccagccagacaucauuU.....	1	1	s19
.....uccagccagacaucauugc.....	4	0	s19
.....uccagccagacaucauugU.....	3	1	s19
.....uccagccagacaucauugA.....	1	1	s19
.....uccagccagacauGcauugc.....	1	1	s19
.....uccagccagacaucauugcU.....	1	1	s19
.....uccagccagacaucauugcG.....	3	1	s19
.....uccagccagacaucauugca.....	17	0	s19
.....uccagccagacaucauugcaa.....	5	0	s19
.....uccagccagacaucauugcaG.....	10	1	s19
.....uccagccagacaucauugcaGu.....	9	1	s19
.....uccagccagacaucauugcaau.....	4	0	s19
.....uccagccagacaucauugcaaA.....	1	1	s19
.....uaaggacugcUuaggaucauu.....	1	1	s13
.....uccagcAagacaucauu.....	1	1	s13
.....uccagccagacaucauu.....	35	0	s13
.....uccagccagacaucauC.....	6	1	s13
.....uccagccagacaucauuU.....	1	1	s13
.....uccagccagGcaucauug.....	1	1	s13
.....uccagccagacaucaGug.....	1	1	s13
.....uccagccagacaucauug.....	29	0	s13
.....uccagccagaAaucauug.....	1	1	s13

Star

Mature

uaaucuaagauagcaauuccuaaggacugcauaggaucauuucca <u>uguaugguugaaca</u> ua <u>aa</u> u <u>g</u> uccagccagacacaucauugca <u>au</u> gguccuaaguacaau			
.....uccagccagacauacauuA.....	2	1	s13
.....uccagccagacauacauuG.....	5	1	s13
.....uccagccagacauacauugc.....	4	0	s13
.....uccagccagacauacauugca.....	28	0	s13
.....uccagccagacGuacauugca.....	1	1	s13
.....uccagccagGcauacauugca.....	1	1	s13
.....uccagccagacauacauugcC.....	1	1	s13
.....uccagccagacauacauugUa.....	2	1	s13
.....uccagccagacauacauugcU.....	1	1	s13
.....uccGgccagacauacauugca.....	1	1	s13
.....uccagccagacauacauAgca.....	1	1	s13
.....uccagccagacauacauugcaa.....	13	0	s13
.....uccagccGgacauacauugcaa.....	1	1	s13
.....uccagccagGcauacauugcaa.....	1	1	s13
.....uccagccagacauacauugUaa.....	1	1	s13
.....uccagccagacauacauugcaaC.....	1	1	s13
.....uccagccagacauacauugcaaau.....	29	0	s13
.....uccagccagacauacauugcaaA.....	3	1	s13
.....uccagccagacauacauugcaUu.....	1	1	s13
.....uccagccagacauacauugcaGu.....	2	1	s13
.....uccagccagacauacauugcaaauU.....	4	1	s13
.....uccagccagacauacauugcaaauA.....	3	1	s13
.....cagccagacauacauugcaa.....	2	0	s13
.....cagccagacauacauugcaaau.....	1	0	s13
.....ggacugcGuaggaucauu.....	1	1	s12
.....uccagccagacauacauC.....	9	1	s12
.....uccagccagacauacauu.....	20	0	s12
.....uccagccagaAauacauu.....	1	1	s12
.....Cccagccagacauacauu.....	1	1	s12
.....uccagccagacauacauA.....	1	1	s12
.....uccagccagacauacGuu.....	2	1	s12
.....uccagccagacauacauuA.....	3	1	s12
.....uccagccagacauacauuU.....	2	1	s12
.....uccagccagacauacauug.....	16	0	s12
.....uccagccagaAauacauug.....	2	1	s12
.....uccagccagacauacauugc.....	1	0	s12
.....uccagccagacauacauugU.....	1	1	s12
.....uccagccagacauacauugca.....	3	0	s12
.....uccagccagacauacauugcG.....	1	1	s12
.....uccagccagacauacauugcaa.....	15	0	s12
.....uccagccagacauacauugcaaau.....	22	0	s12
.....uccagccagacauacauugcaGu.....	1	1	s12
.....uccagccagacauacauugcaUu.....	1	1	s12
.....uccagccagacauacauugcaaauU.....	4	1	s12
.....uccagccagacauacauugcaaauU.....	1	1	s12
.....uccUgccagacauacauu.....	1	1	s16
.....uccagccagacauacauCu.....	1	1	s16
.....uccagccagacauacauC.....	1	1	s16
.....uccagccagacauacauG.....	1	1	s16
.....uccagccagacauacauu.....	9	0	s16
.....uccagccagacauacauug.....	1	0	s16
.....uccagccagacauacauuAc.....	1	1	s16
.....uccagccagacauacauugc.....	3	0	s16
.....uccagccagacauacauugca.....	3	0	s16
.....uccagccagacauacauugcaa.....	4	0	s16
.....uccagccagacauacauugcCau.....	1	1	s16
.....uccagccagacauacauugcaaau.....	8	0	s16
.....uccagccagacauGcauugcaaau.....	1	1	s16
.....uccagccagacauacauugAaau.....	1	1	s16
.....uccagccagacauacauugcaaA.....	2	1	s16
.....uccagccagacauacauugcaaC.....	2	1	s16
.....uccagccagacauacauugcaaauU.....	1	1	s16
.....uccagccagacauacauu.....	4	0	s03
.....uccagccaAacauacauu.....	1	1	s03
.....uccagccagacauGcauu.....	2	1	s03
.....uccagccagacCuacauug.....	1	1	s03
.....uccagccagacauacauuA.....	2	1	s03

Star

Mature

uaaucuaagauagcaauuccuaaggacugcauaggaucauuuccauguauguugguugaacaauaaauuguccagccagacauacauugcaaugguccuaaguacaau

.....uccagccagacauacauug.....	13	0	s03
.....uccagccagacauacauuU.....	1	1	s03
.....uccagccagacauacauugU.....	1	1	s03
.....uccagccagacauacauugca.....	2	0	s03
.....uccagccagacauacauugcaa.....	5	0	s03
.....uccagccagacauacauugcaau.....	11	0	s03
.....uccagccaAacauacauugcaau.....	5	1	s03
.....uccagccagacauacauugcaauU.....	1	1	s03
.....uccagccagacauGcauu.....	1	1	s06
.....uccagccagacauacauu.....	31	0	s06
.....uccagccaAacauacauu.....	1	1	s06
.....uccagccagacauacauA.....	1	1	s06
.....uccagccagacauacGuu.....	1	1	s06
.....uccagccagacauCcauu.....	1	1	s06
.....uccagccagacauacauC.....	4	1	s06
.....uccagccagacauacauuU.....	14	1	s06
.....uccagccagacauacauuA.....	2	1	s06
.....uccagccagGcauacauug.....	1	1	s06
.....uccagccagacauacauug.....	6	0	s06
.....uccagccagacauacauugc.....	11	0	s06
.....Gccagccagacauacauugc.....	1	1	s06
.....uccagccagacauacauugU.....	6	1	s06
.....uccagccagacauacauugA.....	1	1	s06
.....uccagccagaAauacauugca.....	1	1	s06
.....uccagccagacauacauugca.....	4	0	s06
.....uccagccagacauacauugcaG.....	11	1	s06
.....uccagccagacauacauugcaa.....	10	0	s06
.....uccagccagacauGcauugcaa.....	1	1	s06
.....uccagccagacauacauugcaGu.....	35	1	s06
.....uccagccagacauacauugcGau.....	1	1	s06
.....uccagccagacauacauugcaau.....	10	0	s06
.....uccagccagacauacauugcaaC.....	3	1	s06
.....uccagccagacGuacauugcaau.....	1	1	s06
.....uccagccagacauacauugUaaU.....	1	1	s06
.....uccagccagacauacauugcaauU.....	3	1	s06
.....uccagccagacauacauugcaauA.....	1	1	s06
.....cagccagacauacauugcaa.....	1	0	s06
.....uccagccagacauacauugcaa.....	1	0	s15
.....uccagccagacauacauugcaa.....	1	0	s04
.....uccagccagacauacauugcaau.....	2	0	s04
.....uccagccagacauacauu.....	18	0	s08
.....uccagccGgacauacauu.....	1	1	s08
.....uccagccagacauacauC.....	5	1	s08
.....uccagccagacauacauA.....	1	1	s08
.....uccagccagacauacauuU.....	6	1	s08
.....uccagccagacauacauug.....	12	0	s08
.....uccGgccagacauacauug.....	1	1	s08
.....uccagccagacauacauuA.....	2	1	s08
.....uccagccagacauacauugc.....	6	0	s08
.....uccagccagacauacauugU.....	1	1	s08
.....uccagccagacauacauugAa.....	2	1	s08
.....uccagccagacauacauugca.....	17	0	s08
.....uccagUcagacauacauugca.....	1	1	s08
.....uccagccagacauacauugcU.....	1	1	s08
.....uccagccagacauacauugcaa.....	20	0	s08
.....uccagccagacauCcauugcaa.....	1	1	s08
.....uccagccagacauacauugAaa.....	1	1	s08
.....uccagccagacauacauugcaU.....	1	1	s08
.....uccagccagacauacauugcaC.....	2	1	s08
.....uccagccagacauacauugcaaA.....	3	1	s08
.....uccagccagacauacauugcaaC.....	3	1	s08
.....uccagccagacauacauugcaau.....	16	0	s08
.....uccagcGagacauacauugcaau.....	1	1	s08
.....uccagccagacauacauugcaauA.....	2	1	s08
.....uccagccagacauacauugcaauU.....	4	1	s08
.....uccauguauguGugguugaaca.....	4	1	s07

Star

Mature

uaaucuaagauagcaauuccuaaggacugcauaggaucauuuccauguauguugguugaacaauaauuguccagccagacauacauugcaaugguccuaaguacaau			
.....uccagccagacauacauG.....	1	1	s07
.....uccagccagUcauacauu.....	1	1	s07
.....uccagccagacauacauA.....	1	1	s07
.....uccagccagacauacauC.....	2	1	s07
.....uccagccagacauacauu.....	49	0	s07
.....uccagccagacauacauGu.....	5	1	s07
.....uccagccagaAauacauu.....	2	1	s07
.....uccagccagaAauacauug.....	1	1	s07
.....uccagccagacauacauAg.....	1	1	s07
.....uccagccagGcauacauug.....	1	1	s07
.....uccagccagacauacauug.....	20	0	s07
.....uccagccagacauacauuA.....	9	1	s07
.....uccagccagacauacauugca.....	1	0	s07
.....uccagccagacauGcauugcaa.....	1	1	s07
.....uccagccagacauacauugcaa.....	5	0	s07
.....uccagccagacauacauugcaaC.....	1	1	s07
.....uccagccagacauacauugcaau.....	11	0	s07
.....uccagccagacauacauugcaaA.....	1	1	s07
.....uccagccagacauacauugcaauU.....	4	1	s07
.....uccagccagacauacauugcaauA.....	2	1	s07
.....cuaaggacugcUuaggaucauu.....	1	1	s09
.....uccagccagacauacauC.....	5	1	s09
.....uccagccagacauacauGu.....	1	1	s09
.....uccagccagacauacauu.....	29	0	s09
.....uccagccagacauacaCug.....	2	1	s09
.....uccagccagacauacauuU.....	4	1	s09
.....ucUagccagacauacauug.....	1	1	s09
.....uccagccagacauacauug.....	31	0	s09
.....uccagccagacauacauuA.....	2	1	s09
.....uccagccUgacauacauugc.....	1	1	s09
.....uccagccagacauacauugU.....	4	1	s09
.....uccagccagacauacauugc.....	19	0	s09
.....uccagccagacauacauugcG.....	3	1	s09
.....uccagccagacaCacauugca.....	2	1	s09
.....uccagccagacauacauugca.....	28	0	s09
.....uccagccaAacauacauugca.....	1	1	s09
.....uccagccagGcauacauugcaa.....	1	1	s09
.....uccagccagacGuaacauugcaa.....	1	1	s09
.....uccagccagacauacauugcaU.....	1	1	s09
.....uccagccagacauacauugcaa.....	28	0	s09
.....Cccagccagacauacauugcaa.....	1	1	s09
.....uccagccGgacauacauugcaa.....	1	1	s09
.....uccaAccagacauacauugcaa.....	1	1	s09
.....uccagccagacauacauugcaau.....	45	0	s09
.....uccagccagacauacauugcaaC.....	4	1	s09
.....uccagccagacauacauugcaaA.....	7	1	s09
.....uccagccagacauacauugcaauC.....	1	1	s09
.....uccagccagacauacauugcaauA.....	1	1	s09
.....uccagccagacauacauugcaaug.....	1	0	s09
.....uccagccagacauacauugcaauU.....	13	1	s09
.....Ucagccagacauacauugcaa.....	1	1	s09
.....cagccagacauacauugcaau.....	3	0	s09