



Star

5' -		-3'	obs	
			exp	
uaaacuauguaauuaugggg	ugggaugaacauuaaacgacuaaauuaagucguuucauguacauuccauc	ccauaaaaauuguggu	caacaaaaauaucuuuguu	
uaaacuauguaauuaugggg	ugggaugaacauuaaacgacuaaauuaagucguuucauguacauuccauc	cccauaaaaaauuguggu	caacaaaaauaucuuuguu	
...	(((((.(((((((((((((((((((((((((.(((((((((((((((((((((((((.(.....))))))	reads	mm	sample
.....	ugggaugaacauuaaGcgacu.....	1	1	s18
.....	ugggaugaacauuaaacgcacC.....	1	1	s18
.....	ugggaugaacauuaaacgcacu.....	8	0	s18
.....	ugggaugaacauuaaacgcacuaU.....	3	1	s18
.....	ugggaugaacGuuaaacga.....	3	1	s05
.....	ugggaugaacGuuaaacgcacu.....	15	1	s05
.....	ugggaugaacGuuaaacgcacua.....	5	1	s05
.....	cguuucauguacauuccauc.....	1	0	s05
.....	ugggaugaacauuaaacgcacG.....	1	1	s11
.....	ugggaugaacauuaaacgcacu.....	4	0	s11
.....	ugggaugaacauuaaacgcacuC.....	1	1	s11
.....	ugggaugaacauuaaacgcacua.....	4	0	s11
.....	ugggaugaacauuaaacgcacuaU.....	1	1	s11
.....	Cugggaugaacauuaaacgcacua.....	1	1	s02
.....	ugggaugaacauuaaacg.....	4	0	s02
.....	ugggaugaacauuaaGcgac.....	1	1	s02
.....	ugggaugaacauuaaacgcac.....	2	0	s02
.....	ugggaugaacauuaaGcgacu.....	5	1	s02
.....	ugggaugaacauuaaacgaUu.....	1	1	s02
.....	ugggGugaacauuaaacgcacu.....	2	1	s02
.....	ugggaugaacauuaaacgcacu.....	377	0	s02
.....	ugggaugaacauuaUacgcacu.....	1	1	s02
.....	ugggaugaacaCuuaaacgcacu.....	2	1	s02
.....	ugggaCgaacauuaaacgcacu.....	2	1	s02
.....	Cgggaugaacauuaaacgcacu.....	1	1	s02
.....	ugggaugaacauuaaacgcacA.....	8	1	s02
.....	ugggauAaacauuaaacgcacu.....	1	1	s02
.....	ugggaugaacauuaaacgcacG.....	9	1	s02
.....	ugggaugaacauuaaacgcacC.....	55	1	s02
.....	ugggaugaaAauuaaacgcacu.....	1	1	s02

Mature

Star

uaaacuauguaauuuauuggggugggaugaacauuaaacgacuaauuuuuagucguuuucauguacauuuccaucccauaaaaaaauugguggucaacaaaaauaucuuuguu

.....ugggaugaacauuaaacgaAu.....	1	1	s02
.....ugggaugaGcauuuaaacgacu.....	1	1	s02
.....Aggggaugaacauuaaacgacu.....	2	1	s02
.....ugggaugaacauuaGacgacua.....	2	1	s02
.....ugggaugaacauuaaacgacAa.....	1	1	s02
.....ugggGugaacauuaaacgacua.....	2	1	s02
.....ugggaugaacauuaaacgacua.....	140	0	s02
.....Cgggaugaacauuaaacgacua.....	1	1	s02
.....ugggaugaacauuaaacgacuU.....	4	1	s02
.....ugggaugaacauuaaacgacGa.....	3	1	s02
.....ugggaugaacauuaaacgacuG.....	1	1	s02
.....ugggaugaacauuaaGcgacua.....	1	1	s02
.....ugggaugaacauuaaacgGcua.....	1	1	s02
.....ugggaugaacauGaaacgacua.....	1	1	s02
.....ugggaugGacauuaaacgacua.....	1	1	s02
.....ugggaugaCcauuuaaacgacua.....	3	1	s02
.....ugggaugaacauuaaacgacuaC.....	59	1	s02
.....ugggaugaacauuaaacgacuaG.....	2	1	s02
.....ugggaugaacauuaaacgacuaU.....	432	1	s02
.....ugggaugaacauuaaacgacuaa.....	8	0	s02
.....ugggaugaacauuaaacgacuaaC.....	2	1	s02
.....ugggaugaacauuaaacgacuaUu.....	10	1	s02
.....ugggaugaacauuaaacgacuaCu.....	1	1	s02
.....ugggaugaacauuaaacgacuaau.....	2	0	s02
.....ugggaugaacauuaaacgacuaaAu.....	1	1	s02
.....Aggaugaacauuaaacgacu.....	1	1	s02
.....Ugggaugaacauuaaacgacua.....	1	1	s02
.....gggaugaacauuaaacgacua.....	1	0	s02
.....gggaugaacauuaaacgacuaU.....	1	1	s02
.....gggaugaacauuaaacgacuaC.....	3	1	s02
.....gucguuuucauguacauuccaucA.....	1	1	s02
.....uuucauguacauuccauc.....	1	0	s02
.....uuucauguacauuccaucA.....	2	1	s02
.....Cugggaugaacauuaaacgacu.....	1	1	s10
.....ugggaugaacauuaaacg.....	3	0	s10
.....ugggaugaacauuaaacgac.....	3	0	s10
.....ugggaugaacauCaaacgacu.....	1	1	s10
.....Ggggaugaacauuaaacgacu.....	1	1	s10
.....ugggaugaacauuaaacgacA.....	2	1	s10
.....ugggaugaacauuaaacgGcu.....	2	1	s10
.....ugggaugaacauuaaacgacC.....	16	1	s10
.....ugggaugaacauuaaacgacG.....	2	1	s10
.....ugggaugaacauuaaacgaUu.....	1	1	s10
.....ugggaugaacauuaaacgacu.....	115	0	s10
.....uCggaugaacauuaaacgacu.....	1	1	s10
.....ugggaugGacauuaaacgacu.....	1	1	s10
.....ugggaugaaUauuaaacgacu.....	1	1	s10
.....ugggaugaacauuaaacgacCa.....	1	1	s10
.....ugggaugaacauuaaacgacua.....	65	0	s10
.....ugggaugaacauuaaacgGcua.....	2	1	s10
.....ugggaugaacauuaaacgacuG.....	4	1	s10
.....ugggaugaacauuaaacgacuU.....	1	1	s10
.....Aggggaugaacauuaaacgacua.....	1	1	s10
.....ugggaugaacauuaaacgacuaG.....	2	1	s10
.....ugggaugaacauuaaacgacuaU.....	245	1	s10
.....ugggaugaacauuaaacgacuaa.....	5	0	s10
.....ugggaugaacauuaaacgacuaC.....	30	1	s10
.....ugggaugaacauuaaacgacuaUu.....	17	1	s10
.....ugggaugaacauuaaacgacuaaC.....	3	1	s10
.....ugggaugaacauuaaacgacuaUuu.....	1	1	s10
.....gggaugaacauuaaacgacuaU.....	2	1	s10
.....ugggaugaacauuaaacgacu.....	2	0	s01
.....ugggaugaacauuaaacgacC.....	1	1	s01
.....ugggaugaacauuaaacgacuaU.....	2	1	s01
.....ugggaugaacGuuaaacgac.....	1	1	s17
.....ugggaugaacGuuaaacgacu.....	5	1	s17
.....ugggaugaacauuaaacg.....	2	0	s12

Mature

Star

uaaacuauguauuuauugggguggggaugaacauuaaacgacuaauuaauuagucguuuucauguacauuuccaucccauaaaaauuuguggucaacaaaaauaucuuuguu

.....ugggaugaacauuaaacga.....	2	0	s12
.....ugggaugaacauuaaacgac.....	2	0	s12
.....ugggaugaacauuaaacgaU.....	1	1	s12
.....ugggaugaacauuaaacgGcu.....	1	1	s12
.....ugggaugaacauuaaacAacu.....	1	1	s12
.....ugggaugaacauuaaacgacC.....	16	1	s12
.....ugggaAgaacauuaaacgacu.....	1	1	s12
.....ugggaCgaacauuaaacgacu.....	1	1	s12
.....ugggaugaGcauuaaacgacu.....	1	1	s12
.....ugggaugaacauuaaacgacA.....	3	1	s12
.....ugggaugaacauuaaaGgacu.....	1	1	s12
.....ugggaugaacauuaaacgacG.....	1	1	s12
.....Agggaugaacauuaaacgacu.....	2	1	s12
.....ugggaugaacauuaaGcgacu.....	2	1	s12
.....ugggaugaacauuaaacgacu.....	116	0	s12
.....Cgggaugaacauuaaacgacua.....	1	1	s12
.....ugggaugaacauuaGacgacua.....	1	1	s12
.....ugggaugaacauuaaacgacua.....	32	0	s12
.....ugggaugaacauuaaacgacuG.....	1	1	s12
.....ugggaugaacauuaaacgacuaC.....	8	1	s12
.....ugggaugaacauuaaacgacuaG.....	1	1	s12
.....ugggaugaacauuaaacgacuaU.....	90	1	s12
.....ugggaugaacauuaaacgacuaUu.....	5	1	s12
.....ugggauAaacauuaaacgacu.....	1	1	s13
.....ugggaugaacauuaaacgac.....	3	0	s19
.....ugggaugaacauuaaacgacA.....	1	1	s19
.....ugggaugaacauuaaacgacG.....	1	1	s19
.....ugggaugaacauuaaacgacu.....	18	0	s19
.....ugggaugaacauuaaacgacC.....	3	1	s19
.....ugggaugaacauuaaacgacua.....	11	0	s19
.....ugggaugaacaCuaaacgacua.....	1	1	s19
.....ugggaugaacauuaaacgacuaa.....	3	0	s19
.....ugggaugaacauuaaacgacuaC.....	2	1	s19
.....ugggaugaacauuaaacgacuaU.....	10	1	s19
.....ugggaugaacauuaaacgacC.....	3	1	s14
.....ugggaugaacauuaaacgacA.....	1	1	s14
.....ugggaugaacauuaaacgacu.....	10	0	s14
.....ugggaugaacauuaaacgacua.....	2	0	s14
.....ugggaugaacauuaaacgacuaU.....	9	1	s14
.....ugggaugaacauuaaacgacuaUu.....	3	1	s14
.....Ggggaugaacauuaaacgacu.....	1	1	s16
.....ugggaugaacauuaaacgacC.....	5	1	s16
.....ugggaugaacauuaaacgacu.....	18	0	s16
.....ugggaugaacauuaaacgacA.....	1	1	s16
.....ugggauAaacauuaaacgacu.....	1	1	s16
.....ugggaugaacauuaaaGgacu.....	1	1	s16
.....Cgggaugaacauuaaacgacu.....	1	1	s16
.....ugggaugaacaAuaaacgacua.....	2	1	s16
.....ugggaugaacauuaaacgacua.....	4	0	s16
.....ugggaugaacauuaaacgacuaU.....	21	1	s16
.....ugggaugaacauuaaacgacuaa.....	1	0	s16
.....ugggaugaacauuaaacgacuaC.....	5	1	s16
.....ugggaugaacauuaaacgacuaUu.....	2	1	s16
.....ugggaugaacauuaaacgacuaU.....	1	1	s15
.....ugggaugaacGuuaaacgac.....	4	1	s06
.....ugggaugaacauuaaacgacC.....	1	1	s06
.....ugggaugaacauuaaacgacu.....	25	0	s06
.....uggAaugaacauuaaacgacu.....	1	1	s06
.....ugggaugaacGuuaaacgacu.....	31	1	s06
.....ugggaugaacGuuaaacgacua.....	9	1	s06
.....ugggaugaacauuaaacgacuG.....	2	1	s06
.....ugggaugaacauuaaacgacua.....	5	0	s06
.....ugggaugaacauuaaacgacuaU.....	14	1	s06
.....ugggaCgaacauuaaacgacu.....	1	1	s03

Mature

Star

uaaacuauguaauuuauuggggu	ugggaugaacauuaaacgacuaa	uuauuagucguuucauguacauucccau	aaaaauuguggucaacaaaau	aucuuuguu			
.....	ugggaugaacauuaaacgacu	.....	29	0	s03		
.....	ugggaugaacauuaaacgacC	.....	4	1	s03		
.....	ugggaugaacauuaaacgacA	.....	1	1	s03		
.....	ugggaugaacauuaaacgacu	.....	1	1	s03		
.....	ugggaugaacauuaaUcgacua	.....	1	1	s03		
.....	ugggaugaacauuaaacUacua	.....	1	1	s03		
.....	ugggaugaacauuaaacgacua	.....	20	0	s03		
.....	ugggaugaacauuaaacgacuaU	.....	27	1	s03		
.....	ugggaugaacauuaaacgacuaC	.....	4	1	s03		
.....	ugggaugaacauuaaacgacu	.....	10	0	s09		
.....	uGggaugaacauuaaacgacu	.....	1	1	s09		
.....	ugggaugaacauuaaacgacG	.....	1	1	s09		
.....	ugggaugaacauuaaacgacuaC	.....	3	1	s09		
.....	ugggaugaacauuaaacgacuaU	.....	10	1	s09		
.....	ugggaugaacauuaaacgacuaUu	.....	1	1	s09		
.....	ugggaugaacGuuaaaacg	.....	3	1	s07		
.....	ugggaugaacGuuaaaacga	.....	1	1	s07		
.....	ugggaugaacGuuaaaacgacu	.....	28	1	s07		
.....	ugggaugaacGuuaaaacgacu	.....	2	1	s07		
.....	ugggaugaacauuaaacgacu	.....	1	0	s07		
.....	ugggaugaacGuuaaaacgacua	.....	11	1	s07		
.....	ugggaugaacauuaaacgacuaU	.....	1	1	s07		
.....	ugggaugaacGuuaaaacgacuaa	.....	1	1	s07		
.....	gucguuucauguacauuccauc	.....	2	0	s07		
.....	ugggaugaacauuaaacga	.....	1	0	s08		
.....	ugggaugaacauuaaacgac	.....	2	0	s08		
.....	ugggaugaacauuaaacgacC	.....	8	1	s08		
.....	ugggaugaacauuaaacUacu	.....	1	1	s08		
.....	ugggaugaacauuaaacgacu	.....	25	0	s08		
.....	Cgggaugaacauuaaacgacu	.....	1	1	s08		
.....	ugggaugaacauuaaacgaUu	.....	1	1	s08		
.....	ugggaugaacauCaaacgacua	.....	1	1	s08		
.....	ugggaugaacauuaaacgacua	.....	20	0	s08		
.....	ugggaugaacauuaaacgacuaU	.....	66	1	s08		
.....	ugggaugaacauuaaacgacuaa	.....	2	0	s08		
.....	ugggaugaacauuaaacgacuaG	.....	2	1	s08		
.....	ugggaugaacauuaaacgacuaC	.....	6	1	s08		
.....	ugggaugaacauuaaacgacu	.....	2	0	s04		
.....	ugggaugaacGuuaaaacgacu	.....	2	1	s04		
.....	ugggaugaacauuaaacgacuaU	.....	1	1	s04		
.....	ugggaugaacauuaaacgacuaC	.....	1	1	s04		