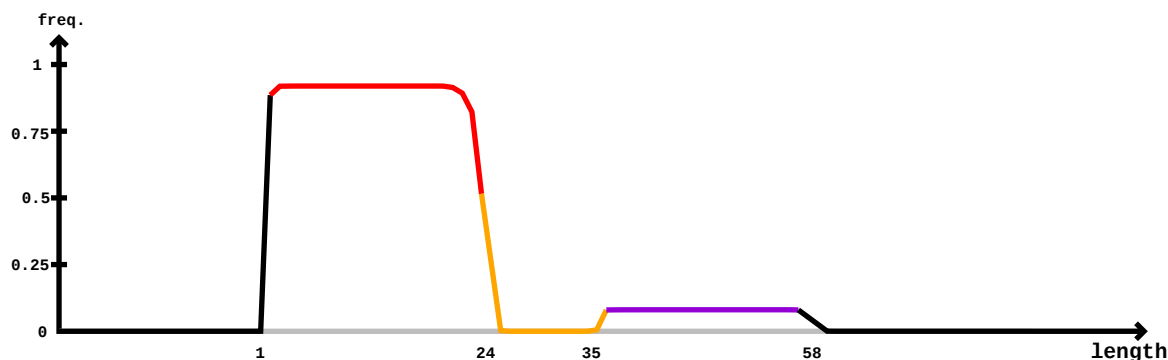




Star

5' -	-3'	obs	
		exp	sample
agacgacggguucguuugucuuuugguuaucuaagcuguaugaguuaaauuuc <u>aa</u> aagcuagagaaccgaaaguuuaaacuaauuccaaggacuuucagaagccggggccu			
agacgacggguucguuugucuuuugguuaucuaagcuguaugaguuaaauuuc <u>aa</u> aagcuagagaaccgaaaguuuaaacuaauuccaaggacuuucagaagccggggccu			
.....(((.(((((((((((.((((((((((((((((((.....)))))).)))))).)))))).).....	reads	mm	sample
.....Cucuugguuaucuaagcugua.....	1	1	s02
.....ucuuugguuaucuaagcug.....	1	0	s02
.....ucuuugguuaucuaagcugu.....	21	0	s02
.....ucuuuggGuaucuaagcugu.....	1	1	s02
.....Acuuugguuaucuaagcugua.....	1	1	s02
.....ucuuuggGuaucuaagcugua.....	1	1	s02
.....ucuuugguuaucuaagcuguU.....	1	1	s02
.....Gcuuugguuaucuaagcugua.....	1	1	s02
.....ucuuugguuaucuaagcugua.....	112	0	s02
.....ucuuuggAuaucuaagcugua.....	3	1	s02
.....ucuuugguuaucCagcugua.....	1	1	s02
.....ucuuugguuaucuaagcuguaG.....	4	1	s02
.....ucuuugguuaucuaagAugua.....	1	1	s02
.....ucuuuggGuaucuaagcugua.....	2	1	s02
.....ucuNugguuaucuaagcugua.....	1	1	s02
.....ucuuugUuuauucuaagcugua.....	1	1	s02
.....ucuuuggCuaucuaagcugua.....	2	1	s02
.....ucuuugguuaucuCgcugua.....	1	1	s02
.....ucuuugguuaucuaagUugua.....	1	1	s02
.....ucuuugguuaucuaagcugAa.....	7	1	s02
.....ucuuugguuaucuaagcuguaA.....	2	1	s02
.....ucuuugguuaucuaagcuCuau.....	1	1	s02
.....ucuuugguuaucuaagcugua.....	300	0	s02
.....ucuuuUguuaucuaagcugua.....	1	1	s02
.....ucuuugguuaucuaagcugGaug.....	3	1	s02
.....ucuuugguuaucuaagcugAaug.....	2	1	s02
.....ucuuugguuaucuaCCuguaug.....	3	1	s02
.....ucuuugguuaucuaagcuguaAg.....	5	1	s02
.....ucuuugguuaucuaagcuguaCg.....	1	1	s02
.....ucuuugguuaucuaagUuguaug.....	1	1	s02
.....uUuuugguuaucuaagcuguaug.....	3	1	s02
.....ucuuugguuaucGagcuguaug.....	6	1	s02
.....ucuuugguuaucUgcuguaug.....	6	1	s02

Star

agacgacggguucguuugucuuuugguuuaucaugcuguaugaguuuauuuucauaaaagcuagagaaccgaaaguuauaacuuucaaaggacuucagaaagccggggccu			
.....ucuuuugUuuaucaugcuguaug.....	1	1	s02
.....ucuuuuggAuuaucaugcuguaug.....	10	1	s02
.....ucuuuugguuaucaugcuguaUA.....	15	1	s02
.....ucuuuugguuaucaugGuguaug.....	2	1	s02
.....ucuuuugguuaucaugcCguaug.....	2	1	s02
.....ucuuuugguuaucuGgcuguaug.....	1	1	s02
.....ucuuuugguuaucaugcugugGug.....	1	1	s02
.....uAuuuugguuaucaugcuguaug.....	3	1	s02
.....ucuuuUCguuaucaugcuguaug.....	1	1	s02
.....ucuuuugguuaucaugcuguiUug.....	2	1	s02
.....ucuuuAgguuaucaugcuguaug.....	2	1	s02
.....ucuuuugguuaucaugcuguauU.....	8	1	s02
.....ucuuuugguuaucuaUcuguaug.....	1	1	s02
.....ucuuNugguuaucaugcuguaug.....	3	1	s02
.....ucuuuugguuauCagcuguaug.....	1	1	s02
.....ucuuuugguuCucuagcuguaug.....	1	1	s02
.....ucuuuugguuaucaugcugCaug.....	1	1	s02
.....ucuuuugguuaucaugcuguaug.....	1480	0	s02
.....uGuuugguuaucaugcuguaug.....	2	1	s02
.....ucuuuugguGaucuagcuguaug.....	1	1	s02
.....ucuuuugguuaucuagAuguaug.....	1	1	s02
.....ucuuuuggGuaucaugcuguaug.....	4	1	s02
.....Acuuuugguuaucaugcuguaug.....	3	1	s02
.....ucuuCgguuaucaugcuguaug.....	2	1	s02
.....Gcuuugguuaucaugcuguaug.....	2	1	s02
.....ucNuugguuaucaugcuguaug.....	2	1	s02
.....ucuuugCuuaucugcuguaug.....	1	1	s02
.....ucuuuugguuGucuagcuguaug.....	1	1	s02
.....ucuuuUGuuaucaugcuguaug.....	1	1	s02
.....ucuuuuggGuaucaugcuguauga.....	7	1	s02
.....ucuuuugguuaucuGgcuguauga.....	2	1	s02
.....uAuuuugguuaucaugcuguauga.....	3	1	s02
.....ucuCugguuaucaugcuguauga.....	1	1	s02
.....ucuuuugguuaucaugcuguaugU.....	274	1	s02
.....ucuuuugguuauCAgcuguauga.....	1	1	s02
.....ucuuGgguuaucaugcuguauga.....	1	1	s02
.....ucuuuugguuauCagcuguauga.....	1	1	s02
.....ucuuuugguuaucaugcugAauga.....	8	1	s02
.....ucuuuugguuaucaugcuguaugG.....	2	1	s02
.....ucuuuugguuaucaugcuguaugC.....	12	1	s02
.....ucuuuugguuaucaugGuguauga.....	3	1	s02
.....ucuuuugguuGucuagcuguauga.....	5	1	s02
.....ucuuuugguuaucuagUguuauga.....	1	1	s02
.....ucuuNugguuaucaugcuguauga.....	6	1	s02
.....ucuuuuggAuaucugcuguauga.....	8	1	s02
.....ucuuuugguuaucaugcNguauga.....	1	1	s02
.....ucuuuugguuaucaugcuguauga.....	2067	0	s02
.....ucuuuugguuaucuaCcuguauga.....	4	1	s02
.....ucuuugUuuaucaugcuguauga.....	4	1	s02
.....ucuuuugguuaucaugcuCuauga.....	1	1	s02
.....ucuuuugguuACcuagcuguauga.....	1	1	s02
.....ucuuuugguuaucaugcuguaGga.....	2	1	s02
.....ucuuuugguuCucuagcuguauga.....	1	1	s02
.....ucuuuugguuaucaugcuguCuga.....	1	1	s02
.....uUuuuugguuaucaugcuguauga.....	5	1	s02
.....ucuuuugguuaucaugcCguauga.....	2	1	s02
.....ucuuuugguuauGuaugcuguauga.....	1	1	s02
.....Gcuuugguuaucaugcuguauga.....	2	1	s02
.....ucuuuugguuaucaugcuguauCa.....	1	1	s02
.....ucuuuugguuaucuUgcuguauga.....	12	1	s02
.....ucuuuugguuaucuaUcuguauga.....	1	1	s02
.....ucuuuugguuaucaugcuguaCga.....	1	1	s02
.....ucuuuuggCuaucaugcuguauga.....	1	1	s02
.....agcuugCuuaucugcuguauga.....	1	1	s02
.....ucuuuugguuaucaugcuAuauga.....	1	1	s02
.....ucuuuugguuaucaugcuguUuga.....	1	1	s02
.....ucuuCgguuaucaugcuguauga.....	1	1	s02
.....ucuuuugguuauAaugcuguauga.....	1	1	s02
.....ucuuuugguuaucaugcuguauUa.....	6	1	s02
.....ucuuuugguuaucaugAuguauga.....	3	1	s02

Mature

Star

agacgacggguucguuugugucuuugguuuau <u>cu</u> agcugu <u>aug</u> aguuuauuuu <u>ca</u> uaagcuagaga <u>aaccgaa</u> aguauaa <u>ca</u> uu <u>cca</u> aggacuucagaagccgggccu			
.....ucuuugguuau <u>cu</u> agcugu <u>G</u> uga.....	4	1	s02
.....ucuuugguuau <u>cu</u> agcugu <u>C</u> auga.....	3	1	s02
.....ucuuugguuau <u>cu</u> agcugu <u>u</u> augag.....	4	0	s02
.....ucuuugguuau <u>cu</u> agcugu <u>u</u> agaA.....	16	1	s02
.....ucuuugguuau <u>cu</u> agcugu <u>u</u> agaU.....	71	1	s02
.....ucuuugguuau <u>cu</u> agcugu <u>u</u> agagA.....	6	1	s02
.....ucuuugguuau <u>cu</u> agcugu <u>u</u> agaUu.....	7	1	s02
.....ucuuugguuau <u>cu</u> agcugu <u>u</u> agaAu.....	1	1	s02
.....cuuugguuau <u>cu</u> agcugu <u>a</u>	1	0	s02
.....cuuugguuau <u>cu</u> agcugu <u>u</u> a.....	5	0	s02
.....Guuugguuau <u>cu</u> agcugu <u>u</u> aug.....	1	1	s02
.....cuuugguuau <u>cu</u> agcugu <u>u</u> aug.....	26	0	s02
.....cuuugguuau <u>cu</u> ag <u>A</u> ugu <u>a</u> ga.....	1	1	s02
.....cuuNgguuau <u>cu</u> agcugu <u>u</u> aga.....	2	1	s02
.....cuuugguuau <u>cu</u> agcugu <u>C</u> auga.....	1	1	s02
.....cuuugguuau <u>cu</u> agcuU <u>u</u> aga.....	1	1	s02
.....cuuugguuau <u>cu</u> agcugu <u>u</u> aga.....	128	0	s02
.....cuuugguu <u>G</u> cuagcugu <u>u</u> aga.....	1	1	s02
.....cuuugguu <u>G</u> cuagcugu <u>u</u> aga.....	1	1	s02
.....cuuugguuau <u>cu</u> agcugu <u>C</u> uga.....	1	1	s02
.....cuuugguuau <u>cu</u> agcugu <u>u</u> agaU.....	4	1	s02
.....uuugguuau <u>cu</u> agcugu <u>u</u> aga.....	2	0	s02
.....uugguuau <u>cu</u> agcugu <u>u</u> aug.....	1	0	s02
.....auaaagcuagaga <u>aaccgaa</u> Ugu.....	6	1	s02
.....auaaagcuagaA <u>aaccgaa</u> gu.....	1	1	s02
.....auaaagcuagaga <u>aaccgaa</u> Ugua.....	6	1	s02
.....uaaagcuagaga <u>aaccgaa</u> Ug.....	2	1	s02
.....uaaagcuagaga <u>aaccgaa</u> Ugu.....	95	1	s02
.....uaaagcuagaga <u>aaccgaa</u> gu.....	5	0	s02
.....uaaagcuagaga <u>aaccgaa</u> gua.....	12	0	s02
.....uaaagcuagaga <u>aaccgaa</u> Ugua.....	160	1	s02
.....uaaagcuagaga <u>aaccgaa</u> Uguau.....	3	1	s02
.....uaaagcuagaga <u>aaccgaa</u> guaA.....	1	1	s02
.....uaaagcuagaga <u>aaccgaa</u> guau.....	1	0	s02
.....uaaagcuagaU <u>aaccgaa</u> guau.....	2	1	s02
.....uaaagcuagaga <u>aaccgaa</u> guaAa.....	1	1	s02
.....uaaacuauu <u>cca</u> aggacuucag.....	1	0	s02
.....ucuuugguuau <u>cu</u> agcugA.....	5	1	s01
.....ucuuugguuau <u>cu</u> agcugu.....	10	0	s01
.....ucuuugguuauA <u>u</u> agcugu <u>a</u>	1	1	s01
.....ucuuugguuau <u>cu</u> agcugAa.....	3	1	s01
.....ucuuugguuau <u>cu</u> agcugu <u>a</u>	28	0	s01
.....ucuuugguuau <u>c</u> Gagcugu <u>a</u>	1	1	s01
.....ucuuugguuau <u>cu</u> agcugAau.....	7	1	s01
.....ucuuugguuau <u>cu</u> agcug <u>G</u> au.....	1	1	s01
.....ucuuuggA <u>u</u> au <u>cu</u> agcuguau.....	2	1	s01
.....ucuuugguuau <u>cu</u> agcuguau.....	144	0	s01
.....ucuuugguuau <u>cu</u> agcugu <u>a</u> G.....	1	1	s01
.....ucuuugguuau <u>cu</u> agcugu <u>a</u> A.....	5	1	s01
.....ucuuugguuau <u>cu</u> agcuU <u>u</u> au.....	1	1	s01
.....ucuuugguuau <u>c</u> Ggcuguau.....	1	1	s01
.....ucuuugguuau <u>c</u> uUcugu <u>u</u> aug.....	3	1	s01
.....ucuuugguuau <u>cu</u> agcuU <u>u</u> aug.....	1	1	s01
.....ucuuuggA <u>u</u> au <u>cu</u> agcugu <u>u</u> aug.....	1	1	s01
.....ucuuugguuau <u>cu</u> agcugA <u>u</u> g.....	9	1	s01
.....ucuuugguuau <u>c</u> Ggcugu <u>u</u> aug.....	1	1	s01
.....uAuuugguuau <u>cu</u> agcugu <u>u</u> aug.....	1	1	s01
.....ucuuugguuau <u>c</u> uUgcugu <u>u</u> aug.....	3	1	s01
.....ucuuugguuau <u>cu</u> agcuguauA.....	5	1	s01
.....ucuuugguuau <u>c</u> Gcugu <u>u</u> aug.....	1	1	s01
.....ucuuugguuau <u>cu</u> agcug <u>G</u> aug.....	1	1	s01
.....ucuuugguuau <u>cu</u> agcugu <u>G</u> ug.....	1	1	s01
.....uc <u>N</u> uguuau <u>cu</u> agcugu <u>u</u> aug.....	1	1	s01
.....Gcuuugguuau <u>cu</u> agcugu <u>u</u> aug.....	1	1	s01
.....ucuuugguuau <u>c</u> Cagcugu <u>u</u> aug.....	1	1	s01
.....ucuuugguu <u>G</u> cuagcugu <u>u</u> aug.....	1	1	s01
.....ucuuugguuauA <u>u</u> agcugu <u>u</u> aug.....	2	1	s01
.....ucuuugg <u>G</u> uau <u>cu</u> agcugu <u>u</u> aug.....	1	1	s01
.....uGuuugguuau <u>cu</u> agcugu <u>u</u> aug.....	1	1	s01

Mature

Star

agacgacggguucguuugug <u>ucuuugguuuau</u> cuagcuguau <u>agauuauuuu</u> uca <u>uaaagcu</u> agaga <u>aaccgaa</u> guauaa <u>acuaau</u> ccaaggacuucagaagcgggccu			
.....ucua <u>Augguu</u> au <u>cu</u> agcuguau <u>g</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguau <u>g</u>	510	0	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agUguau <u>g</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcugu <u>Ag</u>	2	1	s01
.....ucuu <u>ugguu</u> cu <u>cu</u> agcuguau <u>ga</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguau <u>ga</u>	665	0	s01
.....ucuC <u>ugguu</u> au <u>cu</u> agcuguau <u>ga</u>	2	1	s01
.....ucuu <u>ugUuu</u> au <u>cu</u> agcuguau <u>ga</u>	3	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguauA <u>A</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuC <u>ua</u> ga.....	1	1	s01
.....uAuu <u>ugguu</u> au <u>cu</u> agcuguau <u>ga</u>	3	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguG <u>ua</u>	2	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> Gagcuguau <u>ga</u>	1	1	s01
.....ucuu <u>ugguu</u> auA <u>u</u> agcuguau <u>ga</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuA <u>ua</u> ga.....	1	1	s01
.....ucuu <u>ugguu</u> auU <u>u</u> agcuguau <u>ga</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> Cgcuguau <u>ga</u>	1	1	s01
.....ucuu <u>ugguu</u> auC <u>cu</u> agcuguau <u>ga</u>	1	1	s01
.....uUuu <u>ugguu</u> au <u>cu</u> agcuguau <u>ga</u>	2	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> Cagcuguau <u>ga</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> Ugcuguau <u>ga</u>	3	1	s01
.....ucuu <u>ugAuu</u> au <u>cu</u> agcuguau <u>ga</u>	3	1	s01
.....ucuu <u>ugCu</u> uuau <u>cu</u> agcuguau <u>ga</u>	1	1	s01
.....Acuu <u>ugguu</u> au <u>cu</u> agcuguau <u>ga</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguauG <u>C</u>	1	1	s01
.....ucuu <u>uggG</u> uuau <u>cu</u> agcuguau <u>ga</u>	2	1	s01
.....ucuu <u>uggA</u> uuau <u>cu</u> agcuguau <u>ga</u>	2	1	s01
.....ucuu <u>uggu</u> uG <u>u</u> cuagcuguau <u>ga</u>	2	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcugA <u>ua</u> ga.....	17	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguauG <u>U</u>	121	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguauG <u>U</u>	23	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguauG <u>A</u>	3	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguauG <u>Uu</u>	1	1	s01
.....ucuu <u>ugguu</u> au <u>cu</u> agcuguauG <u>Au</u>	2	1	s01
.....cuu <u>ugguu</u> au <u>cu</u> agcuguau <u>g</u>	7	0	s01
.....cuu <u>ugguu</u> au <u>cu</u> Ucuguau <u>ga</u>	1	1	s01
.....cuu <u>ugguu</u> au <u>cu</u> agcuguau <u>ga</u>	51	0	s01
.....cuu <u>ugguu</u> au <u>cu</u> agcuguauG <u>U</u>	3	1	s01
.....uu <u>ugguu</u> au <u>cu</u> agcuguau <u>ga</u>	2	0	s01
.....auaaagcuagaga <u>aaccgaaU</u> gu.....	9	1	s01
.....auaaagcuagaga <u>aaccgaaG</u> gu.....	1	1	s01
.....auaaagcuagaga <u>aaccgaa</u> gu.....	2	0	s01
.....auaaagcuagaga <u>aaccgaaU</u> gua.....	11	1	s01
.....uaaagcuagaga <u>aaccgaaU</u> g.....	3	1	s01
.....uaaagcuagaga <u>aaccgaa</u> gu.....	9	0	s01
.....uaaagcuagaga <u>aaccgaaU</u> gu.....	80	1	s01
.....uaaagGuagaga <u>aaccgaa</u> gua.....	1	1	s01
.....uaaagcuagaga <u>aaccgaaU</u> gua.....	125	1	s01
.....uaaagcuagaga <u>aaccgaa</u> gu.....	23	0	s01
.....uaaagcuagaga <u>aaccgaa</u> guau.....	1	0	s01
.....uaaagcuagaga <u>aaccgaaU</u> guau.....	4	1	s01
.....aaagcuagaga <u>aaccgaa</u> gu.....	2	0	s01
.....aaagcuagaga <u>aaccgaa</u> gua.....	1	0	s01
.....aagcuagaga <u>aaccgaaU</u> gua.....	1	1	s01
.....gcuagaga <u>aaccgaaU</u> gua.....	1	1	s01