



Mature

5'	ggaagaagaauugaaacaguuacgguacacugau	gggccugaaauuguugcucuuaaccu	gugauuuugacuaggugagcaaacuuucagguguguu	uagugccggcuuuucga	-3'	obs	
	ggaagaagaauugaaacaguuacgguacacugau	gggccugaaauuguugcucuuaaccu	gugauuuugacuaggugagcaaacuuucagguguguu	uagugccggcuuuucga		exp	
	ggaagaagaauugaaacaguuacgguacacugau	gggccugaaauuguugcucuuaaccu	gugauuuugacuaggugagcaaacuuucagguguguu	uagugccggcuuuucga		known	
	.....(((.(((.((((.(((((((.(((((((.(.....))))))))))..))))))..))))))))))))))))))..				reads	mm	sample
	.....gggccugaaauuguugcucuuaacc.....				1	0	A32
	.....gggccugaaauuguugcucuuaacc.....				4	0	A32
	.....gugagcaaacuuucaggugugG.....				1	1	A32
	.....gugagcaaacuuucaggugugu.....				16	0	A32
	.....gggccugaaauuguugcucuuaacc.....				5	0	H04
	.....gggccugaaauuguugcucuuaaccu.....				91	0	H04
	.....gggccugaaauugAugcucuuaaccu.....				1	1	H04
	.....gggcAugaaauuguugcucuuaaccu.....				1	1	H04
	.....gggccugaaauuguugcGcuuaaccu.....				1	1	H04
	.....gggccugaaauuguugcucuuaaccuU.....				1	1	H04
	.....Cgugagcaaacuuucaggugugu.....				1	1	H04
	.....gugagcaaacuuucaggug.....				11	0	H04
	.....gugagcaaacuuucaggugug.....				5	0	H04
	.....gugagcaaacuuucaggugU.....				1	1	H04
	.....gugagcaCacuuucaggugugu.....				1	1	H04
	.....gugagcaaacuuucaggugGgu.....				1	1	H04
	.....gugagcaaacuuucaggugugu.....				162	0	H04
	.....gugagcaaacuuucaggugugG.....				11	1	H04
	.....gugagcaaacuuucaggugUu.....				1	1	H04
	.....gugagcaaacuuucaggguAugu.....				2	1	H04
	.....gugagcaaacuuucaggguUugu.....				1	1	H04
	.....gugagcaaacuuucagguguguA.....				1	1	H04
	.....gugagcaaacuuucagguguguu.....				19	0	H04
	.....gugagcaaacuuucagguguguU.....				2	1	H04
	.....gugagcaaacuuucaggugugu.....				11	0	A41
	.....gggccugaaauuguugcucuuaacc.....				1	0	E12
	.....gggccugaaauuguuAcucuuaaccu.....				1	1	E12
	.....gggccugaaauuguugcucuuaaccu.....				13	0	E12
	.....gggccugaaauuguugcucuuaAcu.....				1	1	E12

Star

Mature

ggaagaagaauagaacaguucgguacacugaugggccugaauguugcucuuaccugugauuuugacuaggugagc aaa cuuuacagguguguuagugccggcuuuucga			
.....ggccugaauguugcucuuaccu.....	1	0	E12
.....gugagcaaa cuuuacaggug.....	2	0	E12
.....gugagcaaa cuuuacaggugugu.....	48	0	E12
.....gugagcaaa cuuuacaggugugG.....	1	1	E12
.....gugagcaaa cuuuacagCugugu.....	1	1	E12
.....gugagcaGacu uuacaggugugu.....	1	1	E12
.....gugagcaaa cuuuacagguguguu.....	3	0	E12
.....gggccugaauguugcucuuacc.....	3	0	H11
.....gggccugaauguugcucuuaccu.....	37	0	H11
.....ccugaauguugcucuuaccu.....	1	0	H11
.....ugaauuguugcucuuaccu.....	1	0	H11
.....gugagcaaa cuuuacaggug.....	8	0	H11
.....gugagcaaa cuuuacaggugugu.....	1	0	H11
.....gugagcaaa cuuuacaggugug.....	3	0	H11
.....gugagcaaa cuuuacaggugugu.....	49	0	H11
.....gugagcaaa cuuuacaggugugG.....	2	1	H11
.....gugagcaaa cuuuacagguguguu.....	3	0	H11
.....gggccugaauguugcucuuacc.....	7	0	H42
.....gggccugaauguugcucuuaccu.....	6	0	H42
.....gggccugaauguugcucuuaccuA.....	1	1	H42
.....gugagcaaa cuuuacaggug.....	4	0	H42
.....gugagcaaa cuuuacaggguU.....	1	1	H42
.....gugagcaaa cuuuacaggugu.....	4	0	H42
.....gugagcaaa cuuuacaggugug.....	4	0	H42
.....guAagcaaa cuuuacaggugugu.....	1	1	H42
.....gugagcaaa cuuuacaggugugu.....	78	0	H42
.....gugagcaaa cuuucaUgugugu.....	1	1	H42
.....gugagcaaa cuuuacaggugugG.....	4	1	H42
.....gugagcaaa cuuuacagguguguu.....	12	0	H42
.....gugagcaaa cuuuacagguguguA.....	1	1	H42
.....gugagcaaa cuuuacaggug.....	1	0	A53
.....gugagcaaa cuuuacaggugugu.....	10	0	A53
.....gugagcaaa cuuuacagguguguu.....	2	0	A53
.....gugagcaaa cuuuacagguguguA.....	1	1	A53
.....gggccugaauguugcucuuacc.....	1	0	H62
.....gggccugaauguugcucuuaccu.....	27	0	H62
.....gugagcaaa cuuuacaggug.....	6	0	H62
.....gugagcaaa cuuuacaggugug.....	5	0	H62
.....gugagcaaa cuuuacaggugugu.....	84	0	H62
.....gugagcaaa cuuuacaggugugG.....	7	1	H62
.....gugagcaaa cUuuacaggugugu.....	1	1	H62
.....gugagcaaa cuuuacagAugugu.....	1	1	H62
.....gugagcaaa cuuucaUgugugu.....	1	1	H62
.....gugagcaaa cuuuacagguguguu.....	5	0	H62
.....gggccugaauguugcucuuac.....	2	0	R73
.....gggccugaauguugcucuuacc.....	3	0	R73
.....gggccugaauguugcCcuuaccu.....	1	1	R73
.....gggccugaauguugcucuuaccu.....	26	0	R73
.....gugagcaaa cuuuacaggug.....	4	0	R73
.....gugagcaaa cuuuacaggugu.....	3	0	R73
.....gugagcaaa cuuuacaggugug.....	4	0	R73
.....gugagcaaa cuuucaAgugugu.....	1	1	R73
.....gugagcaaa cuuuacaggugugG.....	3	1	R73
.....gugagcaaa cuuuacaggugugu.....	107	0	R73
.....gugagcaaa cuuuacagguguguu.....	9	0	R73
.....gggccugaauguugcucuuaccu.....	3	0	A33
.....gugagcaaa cuuuacaggugug.....	1	0	A33
.....gugagcaaa cuuuacaggugugu.....	6	0	A33
.....gugagcaaa cuuuacagguguguu.....	1	0	A33
.....gggccugaauguugcucuuaccu.....	1	0	A34
.....gugagcaaa cuuuacaggug.....	1	0	A34
.....gugagcaaa cuuuacaggugug.....	1	0	A34
.....gugagcaaa cuuuacaggugugu.....	11	0	A34

Star

Mature

ggaagaagaauaagaaacaguucgguacacugaugggccugaauguugcucuuaccugugauuuugacuagggugagcaaacuuucagguguguuagugccggcuuuucga

.....gggcccugaauguugcucuuaccu.....	4	0	A21
.....gggcccugaauguugcucuuaccuU.....	1	1	A21
.....gugagcaaacuuucaggugugu.....	1	0	A21
.....gugagcaaacuuucaggugug.....	1	0	A21
.....gugagcaaacuuucaggugugu.....	25	0	A21
.....gugagcaaacuuucagguguguu.....	3	0	A21
.....gggcccugaauguugcucuuaccu.....	9	0	A04
.....gugagcaaacuuucaggug.....	4	0	A04
.....gugagcaaacuuucaggugug.....	2	0	A04
.....gugagcaaacuuucaggugugG.....	2	1	A04
.....gugagcaaacuuucaggugCG.....	1	1	A04
.....gugagcaaacuuucaggugugu.....	57	0	A04
.....gugagcaaacuuucagguguguu.....	4	0	A04
.....gugagcaaacuuucagguguguA.....	1	1	A04
.....gggcccugaauguugcuc.....	2	0	H41
.....gggcccugaauguugcucuuacc.....	1	0	H41
.....gggcccugaauguugcucuuaccu.....	4	0	H41
.....ccugaauguugcucuuaccu.....	1	0	H41
.....gugagcaaacuuucagggu.....	1	0	H41
.....gugagcaaacuuucaggugugu.....	1	0	H41
.....gugagcaaacuuucaggugug.....	3	0	H41
.....gugagcaaacuuucaggugugu.....	79	0	H41
.....gugagcaaacuuucaggugugG.....	3	1	H41
.....gugagcaaacuuucagguguguu.....	4	0	H41
.....gggcccugaauguugcucuuacc.....	6	0	E24
.....gggcccugaauguugcucuuaccu.....	85	0	E24
.....gggccuAaauguugcucuuaccu.....	1	1	E24
.....gggcccugaauguugcGcuuaccu.....	1	1	E24
.....ggccugaauguugcucuuaccu.....	5	0	E24
.....gccugaauguugcucuuaccu.....	1	0	E24
.....Ugugagcaaacuuucaggugugu.....	1	1	E24
.....gugagcaaacuuucaggguC.....	1	1	E24
.....Augagcaaacuuucagggu.....	1	1	E24
.....gugagcaaacuuucaggug.....	21	0	E24
.....gugagcaaacuuucaggugugu.....	1	0	E24
.....gugagcaaacuuucaggugug.....	10	0	E24
.....guAagcaaacuuucaggugugu.....	2	1	E24
.....Uugagcaaacuuucaggugugu.....	1	1	E24
.....gugagcaaacuuucaggugugG.....	12	1	E24
.....gugagcaaacuuucaggguUugu.....	1	1	E24
.....gugagcaaacuuucaggugugu.....	251	0	E24
.....gugagcaaacuuucagCuguguu.....	1	1	E24
.....gugagcaaacuuucagguguguA.....	1	1	E24
.....gugagcaaacuuucagguguguu.....	25	0	E24
.....gugagcaaacuuucagguguguC.....	1	1	E24
.....gggcccugaauguugcucuuaccu.....	28	0	E14
.....gugagcaaacuuucagggu.....	7	0	E14
.....gugagcaaacuuucaggugug.....	5	0	E14
.....gugagcaaacuuucaggugugu.....	44	0	E14
.....gugagcaaacuuucaggugugG.....	5	1	E14
.....guAagcaaacuuucaggugugu.....	1	1	E14
.....gugagcaaacuuucagguguguu.....	4	0	E14
.....gggcccugaauguugcucuuacc.....	3	0	T74
.....gggcccugaauguugcucuuaccu.....	10	0	T74
.....gggcAugaauguugcucuuaccu.....	1	1	T74
.....gugagcaaacuuucagggu.....	4	0	T74
.....gugagcaaacuuucaggugugu.....	1	0	T74
.....gugagcaaacuuucaggugug.....	4	0	T74
.....gugagcaaacuuucaggugugu.....	57	0	T74
.....gugagcaaacuuucaggugugG.....	4	1	T74
.....gugagcaaacuuucagguguguu.....	7	0	T74
.....gggcccugaauguugcucuuaccu.....	18	0	T73
.....gugagcaaacuuucagggu.....	8	0	T73

Star

Mature

ggaagaagaauugaaacaguuuacgguacacugaugggccugaaauuguugcucuuaccugugauuuuugacuaggugagcaaacuuucaggguguguuagugccggcuuuucga

.....gugagcaaa <u>cuuucag</u> gugG.....	1	1	T73
.....gugagcaaa <u>cuuucag</u> gugug.....	8	0	T73
.....gugagcaaa <u>cuuucag</u> gugG <u>cu</u>	1	1	T73
.....gugagcaaa <u>cuuucag</u> gugugu.....	90	0	T73
.....gugagcaaa <u>cuuucag</u> gugugG.....	6	1	T73
.....gugagcaaa <u>cuuucag</u> guguguu.....	6	0	T73
.....gggccugaa <u>uuguugcucuua</u> ccu.....	16	0	E04
.....ugaauu <u>guugcucuua</u> ccu.....	1	0	E04
.....gugagcaaa <u>cuuucag</u> gug.....	1	0	E04
.....gugagcaaa <u>cuuucag</u> gugu.....	1	0	E04
.....gugagcaaa <u>cuuucag</u> gugug.....	1	0	E04
.....gugagcaaa <u>cuuucag</u> gugugu.....	64	0	E04
.....gugagcaaa <u>cuuuU</u> aggugugu.....	1	1	E04
.....gugagcaaa <u>cuuucag</u> gugugG.....	3	1	E04
.....gugagcaaa <u>cuuucag</u> guguguu.....	1	0	E04
.....gggccugaa <u>uuguugcucuua</u> ccu.....	5	0	A62
.....gugagcaaa <u>cuuucag</u> gug.....	2	0	A62
.....gugagcaaa <u>cuuucag</u> gugug.....	1	0	A62
.....gugagcaaa <u>cuuucag</u> Guugu.....	1	1	A62
.....gugagcaaa <u>cuuucag</u> gugugu.....	22	0	A62
.....gugagcaaa <u>cuuucag</u> guguguA.....	1	1	A62
.....gugagcaaa <u>cuuucag</u> guguguu.....	1	0	A62
.....gugagcaaa <u>cuuucag</u> Auguguu.....	1	1	A62
.....gggccugaa <u>uuguugcucuua</u> cc.....	3	0	E74
.....gggccugaa <u>uuguugcucuua</u> ccu.....	49	0	E74
.....gggccugaa <u>uuguugc</u> Guuaccu.....	1	1	E74
.....gggccugaa <u>uuguugcucuua</u> ccuU.....	1	1	E74
.....ugaauu <u>guugcucuua</u> ccu.....	1	0	E74
.....gugagcaaa <u>cuuucag</u> gug.....	12	0	E74
.....gugagcaaa <u>cuuucag</u> gugug.....	15	0	E74
.....gugagcaaa <u>cuuucag</u> guguAu.....	1	1	E74
.....gugagcaaa <u>cuuucag</u> Guugu.....	1	1	E74
.....gugagcaaa <u>cuuucag</u> gugugG.....	5	1	E74
.....gugagcaaa <u>cuuucag</u> guUugu.....	2	1	E74
.....gugagcaaa <u>cuuucag</u> gugugu.....	87	0	E74
.....gugaCaa <u>cuuucag</u> gugugu.....	1	1	E74
.....gugagcaaa <u>cuuucag</u> guguguu.....	6	0	E74
.....gggccugaa <u>uuguugcucuua</u> cc.....	1	0	A13
.....gggccugaa <u>uuguugcucuua</u> ccu.....	11	0	A13
.....gugagcaaa <u>cuuucag</u> gugugu.....	19	0	A13
.....gugagcaaa <u>cuuucag</u> guguguu.....	1	0	A13
.....ggCcuuga <u>auuguugcucuua</u> cc.....	1	1	E73
.....gggccugaa <u>uuguugcucuua</u> cc.....	3	0	E73
.....gggccugaa <u>uuguugc</u> Guaccu.....	1	1	E73
.....ggAccuga <u>auuguugcucuua</u> ccu.....	1	1	E73
.....gggccugaa <u>uuguuU</u> cucuua <u>ccu</u>	1	1	E73
.....gggccugaa <u>uuguugcucuua</u> ccu.....	55	0	E73
.....gggccugaa <u>uuguugcucuua</u> cGu.....	1	1	E73
.....gugagcaaa <u>cuuucag</u> gug.....	9	0	E73
.....gugagcaaa <u>cuuucag</u> gugug.....	12	0	E73
.....gugagcaaa <u>cuuucag</u> gugugG.....	3	1	E73
.....gugagAaa <u>cuuucag</u> gugugu.....	1	1	E73
.....gugagcaaa <u>cuuucag</u> gugugu.....	99	0	E73
.....gugagcUaa <u>cuuucag</u> gugugu.....	1	1	E73
.....gugagcaaa <u>cuuucag</u> guguguu.....	1	0	E73
.....gggccugaa <u>uuguugcucuua</u> cc.....	3	0	E72
.....gggccugaa <u>uuguugcucuua</u> ccu.....	66	0	E72
.....gggccugaa <u>uuguugc</u> A <u>cuua</u> ccu.....	1	1	E72
.....ggccuga <u>auuguugcucuua</u> ccu.....	1	0	E72
.....gugagcaaa <u>cuuucag</u> gug.....	11	0	E72
.....gugagcaaa <u>cuuucag</u> gugug.....	6	0	E72
.....guAagcaaa <u>cuuucag</u> gugugu.....	1	1	E72
.....gugagcaaa <u>cuuucag</u> Augugu.....	1	1	E72
.....gugagcaaa <u>cuuucag</u> gugugG.....	2	1	E72

Star

Mature

ggaagaagaugaacagucgguacacugaugggccugaauguugcucuuaaccugugauuuugacuagggugagcaaacuuucagguguguuagugccggcuuuucga			
.....gugaUcaaacuuucaggugugu.....	1	1	E72
.....gugagcaaacuuucaggugugu.....	97	0	E72
.....gugagcaaacuuucagguguguu.....	11	0	E72
.....gggccugaauguugcucuuaacc.....	4	0	E02
.....gggccugaauguugcucuuaacc.....	26	0	E02
.....gggccugaauguugcucGuaccu.....	1	1	E02
.....cugaauguugcucuuaaccu.....	1	0	E02
.....gugagcaaacuuucaggug.....	6	0	E02
.....gugagcaaacuuucaggugug.....	9	0	E02
.....gugagcaaacuuucaggugugu.....	105	0	E02
.....gugagcaaacuuucagAugugu.....	1	1	E02
.....gugagcaaacuuucaggugugG.....	2	1	E02
.....gugagcaaacuuucagguguguA.....	1	1	E02
.....gugagcaaacuuucagguguguu.....	15	0	E02
.....gugagcaaacuuucagguguguuU.....	1	1	E02
.....gggccugaauguugcucuuaaccu.....	5	0	B12
.....gugagcGaacuucaggugugu.....	1	1	B12
.....gugagcaaacuuucaggugugu.....	18	0	B12
.....gugagcaaacuuucaggug.....	1	0	A51
.....gugagcaaacuuucaggugug.....	1	0	A51
.....gugagcaaacuuucaggugugu.....	13	0	A51
.....gugagcaaacuuucagguguguu.....	1	0	A51
.....gugagcaaacuuucagguguguuU.....	1	1	A51
.....gggccugaauguugcucuuaaccu.....	2	0	B14
.....gugagcaaacuuucaggug.....	1	0	B14
.....gugagcaaacuuucaggugugG.....	1	1	B14
.....gugagcaaacuuucaggugugu.....	7	0	B14
.....gugagcaaacuuucagguguguu.....	1	0	B14
.....gugagcaaacuuucagguguguuU.....	1	1	B14
.....gggccugaauguugcucuuaaccu.....	3	0	A02
.....gugagcaaacuuucaggug.....	1	0	A02
.....gugagcaaacuuucaggugug.....	2	0	A02
.....gugagGaaacuucaggugugu.....	1	1	A02
.....gugagcaaacuuucaggugugu.....	28	0	A02
.....gugagcaaacuuucagguguguu.....	4	0	A02
.....gggccugaauguugcucuuaac.....	1	0	H34
.....ggAccugaauguugcucuuaacc.....	1	1	H34
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.....gggccugaauguuuAcucuuaaccu.....	1	1	H34
.....gggccugaauguugcucuuaaccuA.....	1	1	H34
.....gggccugaauguugcucuuaaccuU.....	1	1	H34
.....gugagcaaacuuucaggug.....	4	0	H34
.....gugagcaaacuuucaggugu.....	1	0	H34
.....gugagcaaacuuucaggugug.....	4	0	H34
.....gugagcaaacuuucaggugugG.....	3	1	H34
.....guAagcaaacuuucaggugugu.....	1	1	H34
.....gugagcaaacuuucaggugugu.....	60	0	H34
.....gugagcaaacuuucagguguguu.....	15	0	H34
.....gggccugaauguugcucuuaacc.....	8	0	H71
.....gggccugaauguuuUcucuuaaccu.....	1	1	H71
.....gggccugaauguugcucuuaaccu.....	57	0	H71
.....ggccugaauguugcucuuaaccu.....	1	0	H71
.....cugaauguugcucuuaaccu.....	1	0	H71
.....gugagcaaacuuucaggug.....	10	0	H71
.....gugagcaaacuuucaggugug.....	6	0	H71
.....gugagcaaacuuucaggugugu.....	158	0	H71
.....gugaCcaacuucaggugugu.....	1	1	H71
.....gugagcaaacuuucaggugugG.....	11	1	H71
.....gugagcaaacuuucagguguguu.....	5	0	H71
.....gugagcaaacuuucagguguguA.....	1	1	H71
.....gggccugaauguugcucuuaaccu.....	3	0	A64

Star

Mature

ggaagaagaauugaaacaguucggguacacugaugggccugaaauuguugcucuuaccugugauuuugacuagggugagcaaacuuucagguguguuagugccggcuuuucga			
.....gugagcaaacuuucaggugugu.....	6	0	A64
.....gggccugaaauuguugcucuuacc.....	2	0	T71
.....gggccugaaauuguugcucuuaccu.....	8	0	T71
.....ggccugaaauuguugcucuuaccu.....	1	0	T71
.....gugagcaaacuuucaggugug.....	13	0	T71
.....gugagcaaacuuucaggugug.....	3	0	T71
.....gugagcaaacuuucaggugugCu.....	1	1	T71
.....gugagcaaacuuucaggugugG.....	13	1	T71
.....gugagcaaacuuucCggugugu.....	1	1	T71
.....gugagcaaacuuucaggugugu.....	98	0	T71
.....gugagcaaacuuucagguguguu.....	7	0	T71
.....gugagcaaacuuucaggugugua.....	1	0	T71
.....gagcaaacuuucaggugugu.....	1	0	T71
.....gggccugaaauuguugcucuuaccu.....	2	0	A11
.....gugagcaaacuuucaggugugu.....	14	0	A11
.....gugagcaaacuuucagguguguu.....	1	0	A11
.....gggccugaaauuguugcucuuacc.....	1	0	A01
.....gggccugaaauuguugcucuuaccu.....	6	0	A01
.....ggccugaaauuguugcucuuaccu.....	2	0	A01
.....gugagcaaacuuucaggugug.....	1	0	A01
.....gugagcaaacuuucaggugugG.....	2	1	A01
.....gugagcaaacuuucaggugugC.....	1	1	A01
.....gugagcaaacuuucaggugugu.....	49	0	A01
.....gugagcaaacuuucagguguguu.....	4	0	A01
.....gugagcaaacuuucaggugugu.....	12	0	A44
.....gugagcaaacuuucaggugugG.....	1	1	A44
.....gugagcaaacuuucagguguguu.....	3	0	A44
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.....ugggccugaaauuguugcucuuaccu.....	1	0	E13
.....gggccugaaauuguugcucuuacc.....	3	0	E13
.....gggccugaaauuguugcucuuaccu.....	22	0	E13
.....ggccugaaauuguugcucuuaccu.....	3	0	E13
.....gugagcaaacuuucaggugug.....	2	0	E13
.....gugagcaaacuuucaggugug.....	3	0	E13
.....guUagcaaacuuucaggugugu.....	2	1	E13
.....gugagcaaacuuucaggugugG.....	3	1	E13
.....guCagcaaacuuucaggugugu.....	1	1	E13
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Star

Mature

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Star

Mature

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Star

Mature

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Star

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Star

Mature

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Star

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