

Supplemental figure and table legends

Figure S1. Flow chart describing the major components of each approach used in this study and the classes of the discovered miRNAs.

Figure S2. Small RNA reads distribution across SINE RNAs localized on two different chromosomal locations and mapping of the more represented reads on the RNA secondary structures predicted for the SINE elements analyzed. Tissues analyzed: mESCs, pancreas, heart, liver, skin, spleen, testes, lung, NIH3T3 cells.

Figure S3. Small RNA reads distribution and predicted RNA secondary structure of all the new identified miRNAs. li1, E18.5 ko Ago2 liver; li2, E18.5 wt liver; li3, adult liver; hr1, heart replicate 1 (rep1) ; hr2, heart replicate 2 (rep2); hr3, heart replicate 3 (rep3); 3Ta, Ago2-IP small RNA from NIH3T3; 3T3, NIH3T3; mE1, wt mESCs; mED, Dicer -/- mESCs; mE8 Dgcr8 -/- mESCs; te1, testes rep1; te2, testes rep2; hi1, hippocampus rep1; hi2, hippocampus rep2; Am1, Ago2-Clip-sq small RNA from mESCs rep1; Am2, Ago2-Clip-sq small RNA from mESCs rep2; SSC, spermatogonial stem cells-enriched germ cell culture; Tp1, freshly isolated spermatogonial stem cells rep1; Tp2, freshly isolated spermatogonial stem cells rep2; Tm1, somatic cell-enriched testis cell populations rep1; Tm2, somatic cell-enriched testis cell populations rep2; bm1, bone marrow rep1; bm2, bone marrow rep2; lun, lung; pan, pancreas; nt1, neutrophils rep1; nt2, neutrophils rep2; E15, E15.5 stage brain; cx1, cortex; skn, skin; sp1, spleen rep1; sp2 spleen rep2; CFU, CFU-Eerythroid progenitors; oo1, oocytes rep1; oo2, oocytes rep2; ut1, utero rep1; ut2 utero rep2; ov1, ovary rep1; ov2, ovary rep2; br1, whole brain rep1; br2, whole brain rep2; nb1, newborn rep1; nb2, newborn rep2; nb3, newborn rep3; ay1, embryo 7.5 days rep1; ay2, embryo 7.5 days rep2; ay3, embryo 7.5 days rep3; mm1, embryo 9.5 days rep1; mm2, embryo 9.5 days rep2; mm3, embryo 9.5 days rep3; em1, embryo 12.5 days rep1; em2, embryo 12.5 days rep2; em3, embryo 12.5 days rep3; pob, pro B cells; peb pre B cells; imb, immature B cells; nt4 B1 B cells; mzb, marginal zone B cells; gcb, marginal center B cells; pc1, plasma cells; bas, basophils, bone marrow cells; mdc, macrophage derived dendritic cells from bone marrow; mbm, macrophages from bone marrow; nkc, NK cells, 48t CD4+CD8+ T cells; nct, naïve CD4+; c8t, CD8+ T cells; c4t, CD4+ T cells; th2, Th2 cells; th7 Th7 cells; itr, iTreg cells; ntr, nTreg cells; kdn, Kidney cells; mus, muscle cells; sgl, cells from salivary gland; bac, B activated cells; gc2, Germinal center B cells; hlc, HL1 cells; hl2, HL1 siSrf2; hl1, HL1 sirf1; t11, Ter119+ erythroblasts; co1, colon rep1; co2 colon rep2; je1, jejunum rep1; je2, jejunum rep2; pgr, primary granulocyte.

Table S1. Datasets and samples from NCBI Gene expression omnibus (GEO) and The Read Archive Database (SRA) that have been used in this study.

Table S2.

Sheet 1. Normalized reads corresponding to Dgcr8-independent, Dicer-dependent annotated miRNAs derived from mESC wild type, Dicer -/-, Dgcr8 -/- total RNA samples (1) and mESC wild type and Dicer -/- RNA samples from Ago2 CLIP-seq experiment (2).

Sheet 2. Normalized reads corresponding to Dicer-independent annotated miRNAs derived from mESC wild type, Dicer -/-, Dgcr8 -/- total RNA samples, mESC wild type and Dicer -/- RNA samples from Ago2 CLIP-seq experiment and

total RNA sample derived from embryonic liver stage 18.5 wild type and expressing a catalytically inactive Ago2 protein (3).

Table S3. Mouse miRNA precursors that contain genomic repeats.

Table S4. Summary of novel identified miRNAs.

Table S5. Normalized reads of novel miRNAs from NIH3T3, Ago2 IP from NIH3T3, mESCs WT, mESCs Dicer $-/-$, mESCs Dgcr8 $-/-$, CLIP of mESCs replicate 1 and 2.

Table S6. Expression profile of novel miRNAs across adult and embryonic tissues. The table contains the sum of normalized reads derived from candidate miRNAs.

Supplemental Figure S1

Download of publicly available datasets of small RNA sequencing

Bioinformatics processing of the sequenced reads

Use of Dicer KO and Dgcr8 KO datasets in conjunction with updated miRBase-miRNA annotation to redefine miRNA biogenesis processes and discover erroneous annotations

miR-3062 is a 2-tailed mirtron, *miR-1965* is an endo-siRNA. A group of annotated miRNAs do not show characteristics of miRNA biogenesis and should be removed from the miRBase database

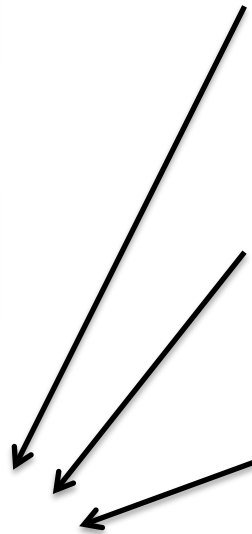
Several miRNA classes has been identified: tailed mirtrons, miRNAs derived from repeats, candidate shRNAs, miRNAs derived from coding genes and canonical miRNAs

Use of the processed reads to identify novel miRNAs in the data (66 novel loci coding for miRNAs identified using this approach)

Use of Dicer KO and Dgcr8 KO datasets to define the biogenesis process of the novel miRNAs identified with this study

Overexpression in cells of a group of hairpins coding for the novel miRNAs, followed by small RNA sequencing to verify their processing within cells

Quantification of the novel identified miRNAs in several tissues

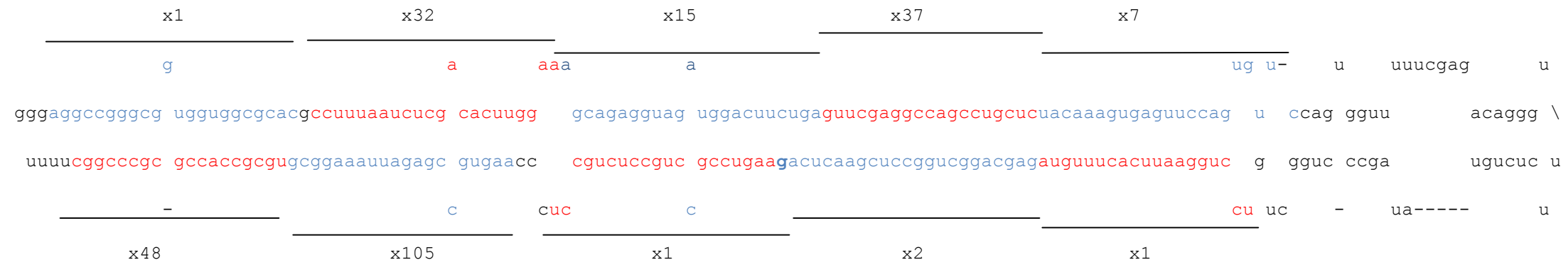


Supplemental Figure S2

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ugaguucgaggccagccugcuc x37 (x7 Ago2-CLIP mESC)
uacaaagugaguuccaguguuc x7
uccuggaauucacuuuguaga x1
gagcaggcuggccucgaacuca x2 (x1 Ago2-CLIP mESC)
gaaguccgccugccucugccu x1
aagugccgagauuaaaggcgu 105 (x2 Ago2-CLIP mESC)
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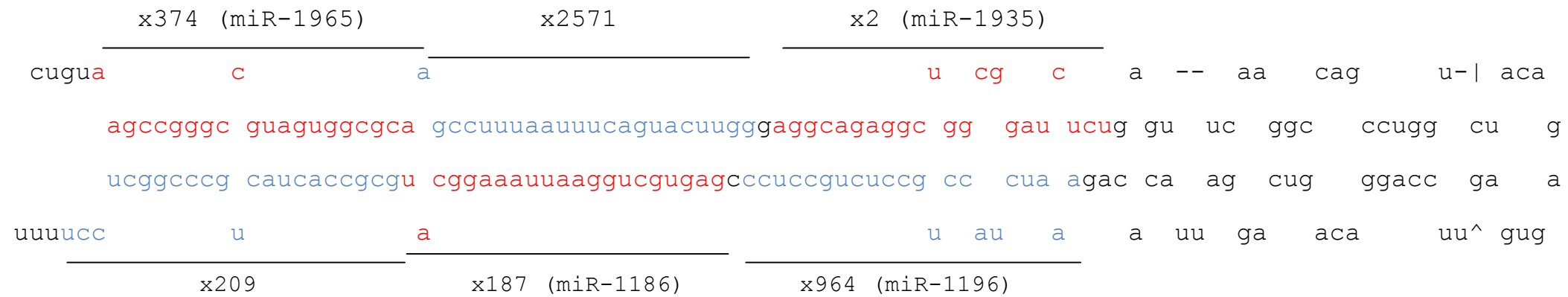
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aaaucuaccugccucugccucc x964 (miR-1935) (x61 Ago2-CLIP mESC)

gagugcuggaauuaaaggcau x187 (miR-1196) (x151 Ago2-CLIP mESC)

cgccacuacugcccggcuccu x209 (x16 Ago2-CLIP mESC)



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aagccgggcccguaguggcgca x16 miR-1965

x16 (miR-1965)

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ucggcccg caucaccgcu cggaaauaaggucgugagcccuccgucuccg cc cua agac ca ag cug ggacc ga a
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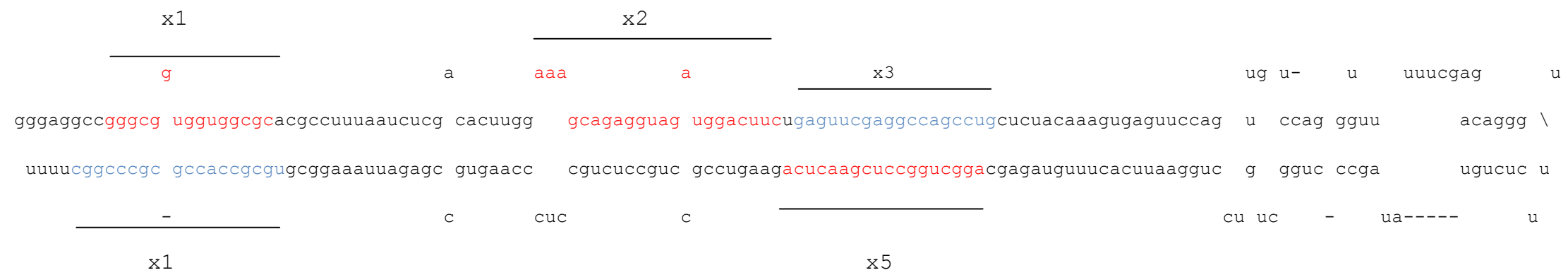
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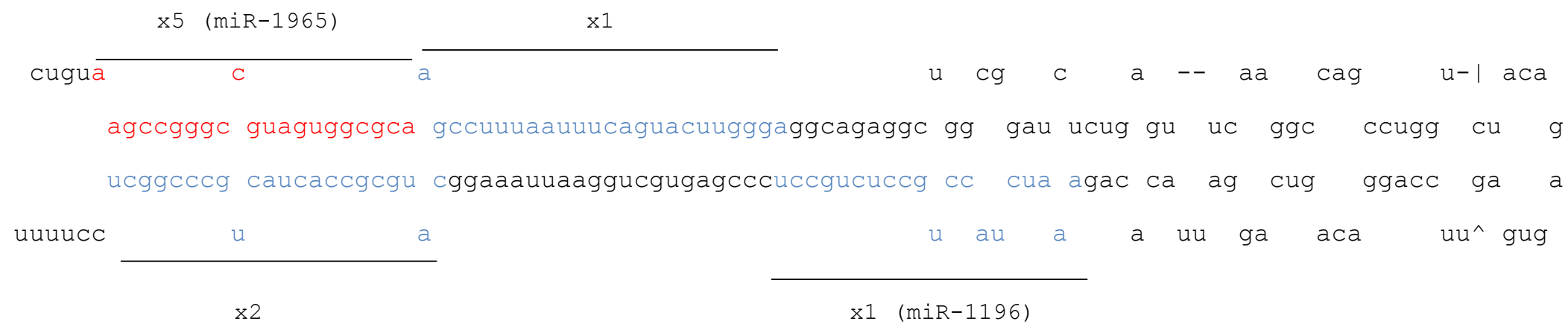
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caugcgccacuacugcccggcu x2



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x4

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x40 (miR-1965)

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x1

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uuuucggcccgc gccaccgcgugcggaaauuagagc gugaacc cgucuccguc gccugaagacucaagcuccggucggacgagauguuucacuaaagguc g gguc ccga ugucuc u

- c cuc c cu uc - ua----- u

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cgccacuacugcccggcucc x3

x108 (miR-1965) x1

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agccgggc **guaguggcgca** **gccuuuaauuucaguacuugg**gaggcagaggc gg gau ucug gu uc ggc ccugg cu g

ucggcccg **caucaccgc**gu cggaauuaaggucgugagcccuccgucuccg cc cua agac ca ag cug ggacc ga a

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x3

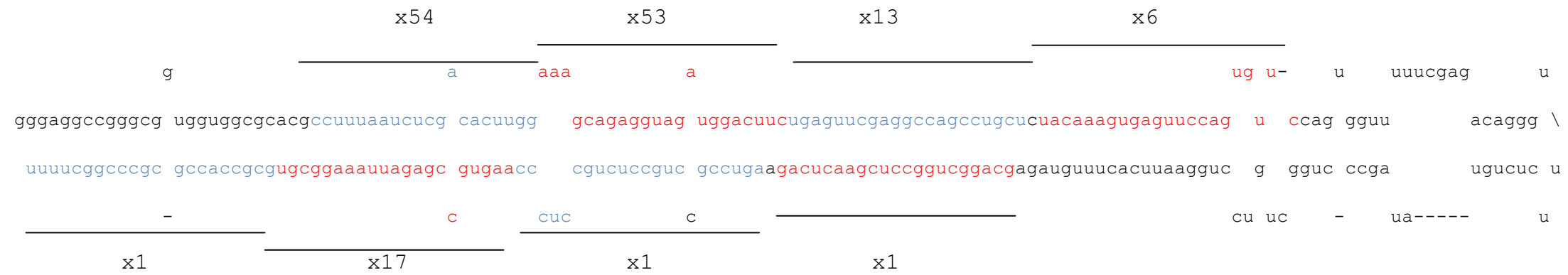

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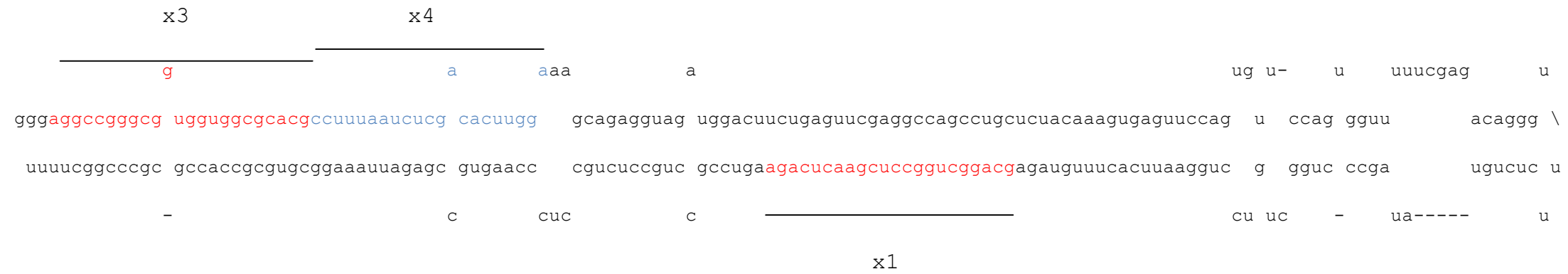


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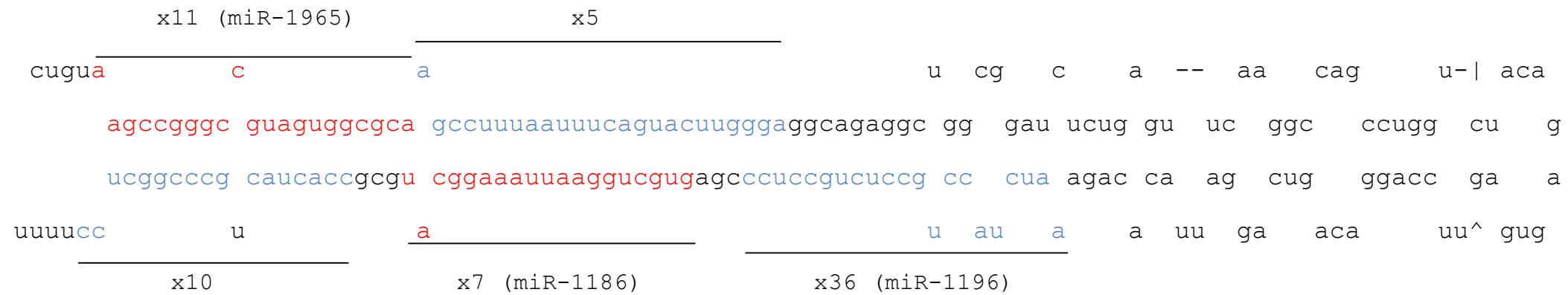
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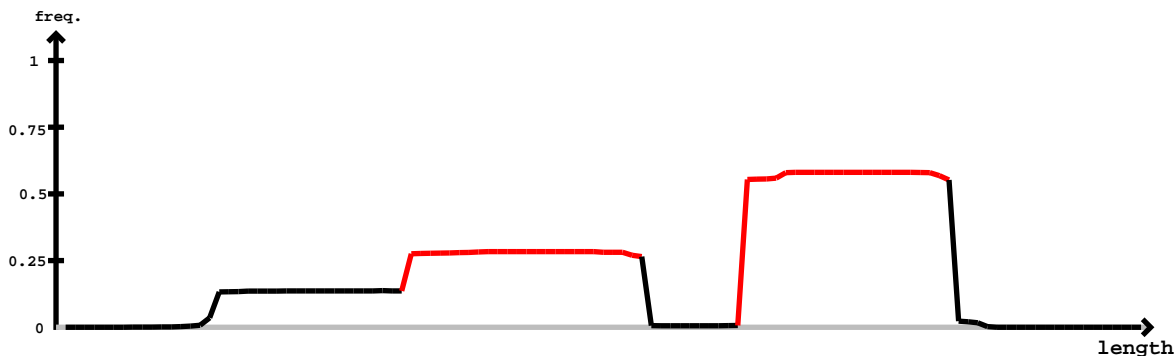
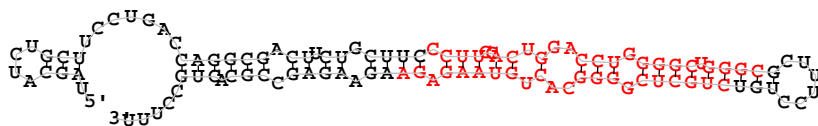
Supplemental Figure S3

Mature

Star

caucuccuuaaaggcuuugaugcagugcccuauuuagaaaugguacugaugugagaaauaaaaauugaucaggccuuucgaguaaggcuuaccaccuucuacguuu

miRBase precursor : mmu_chr7_32398
 Total read count : 1608
 mmu_chr7_32398 read count 933
 mmu_chr7_32398* read count 445
 remaining reads : 675



mmu_chr7_32398*

mmu_chr7_32398

5' -	reads	mm	sample
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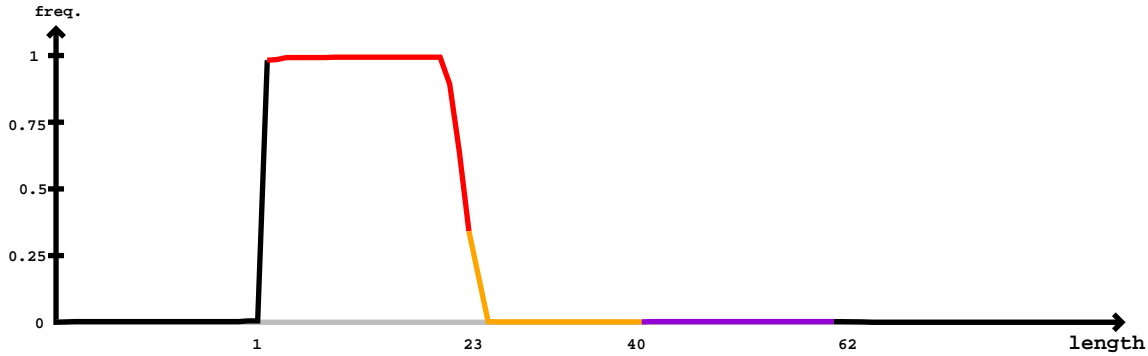
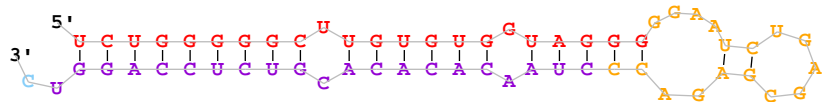
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.....ucuuagcuggggcaugaucugaugag.....	1	0	sp1
.....uuagcuggggcaugaucugaugag.....	4	0	sp1
.....uuagcuggggcaugaucugaugagc.....	1	0	sp1
.....uuagcuggggcaugaucugaugagcu.....	1	0	sp1
.....uuagcuggggcaugaucugaugagcuc.....	9	0	sp1
.....uagcuggggcaugaucugaugag.....	1	0	sp1
.....uagcuggggcaugaucugaugagc.....	8	0	sp1
.....uagcuggggcaugaucugaugagcu.....	1	0	sp1
.....agcuggggcaugaucugaugagcu.....	2	0	sp1
.....ucuuagcuggggcaugaucugaugagU.....	1	1	li2
.....uuagcuggggcaugaucugaug.....	1	0	li2
.....uuagcuggggcaugaucugaugagc.....	1	0	li2
.....uagcuggggcaugaucugaugag.....	1	0	li2
.....uagcuggUcaugaucugaugag.....	1	1	li2
.....uagcuggggcaugaucugaugagc.....	4	0	li2
.....uagcuggggcauUaucugaugagc.....	1	1	li2
.....ucuuagcuggggcaugaucugauga.....	1	0	li1
.....uuagcuggggcaugaucugaugag.....	4	0	li1
.....uuagcuggggcaugaucugaugagc.....	6	0	li1
.....uagcuggggcaugaucugaugag.....	1	0	li1
.....uagcuggggcaugaucugaugagc.....	6	0	li1
.....uagcuggggcGugaucugaugagcu.....	1	1	li1
.....uagcuggggcaugaucugaugagcu.....	4	0	li1
.....ucugggcuuagccuagcuuucu.....	1	0	li1
.....ucuuagcuggggcaugaucugauc.....	1	0	imb
.....uuagcuggggcaugaucugaug.....	1	0	imb
.....ucuuagcuggggcaugaucu.....	1	0	sg1
.....uuagcuggggcaugaucugaugag.....	1	0	sg1
.....uuagcuggggcaugaucugaugagc.....	2	0	sg1
.....uagcuggggcaugaucugaugag.....	1	0	sg1
.....ucuuagcuggggcaugauc.....	1	0	th2
.....ucuuagcuggggcaugaucu.....	7	0	th2
.....ucuuagcuggggcaugaucugauc.....	2	0	th2
.....cuuagcuggggcaugaucugaugag.....	1	0	th2

mmu_chr10_1158

aaaaaaaaaacaucugucuuagcuggggcaugaucugaugagcucacagccaggcucucugggcuuagccuagcuuucuguuacaaaaauauauuccuaaaauagguuuugcuuu

.....uuagcuggggcaugaucugau.....	1	0	th2
.....uuagcuggggcaugaucugaugag.....	1	0	th2
.....uagcuggggcaugaucugau.....	1	0	th2
.....uagcuggggcaugaucugaugag.....	1	0	th2
.....uagcuggggcaugaucugaugagc.....	5	0	th2
.....cuuagcuggggcaugaucugauga.....	1	0	Tm1
.....uuagcuggggcaugaucugaA.....	1	1	Tm1
.....uuagcuggggcaugaucugauga.....	1	0	Tm1
.....uuagcuggggcaugaucugaugag.....	1	0	Tm1
.....uuagcuggggcaugaucugaugagU.....	1	1	Tm1
.....uuagcuggggcaugaucugaugagc.....	4	0	Tm1
.....uagcuggggcaugaucugauga.....	3	0	Tm1
.....uagcuggggcaugaucugaugag.....	1	0	Tm1
.....uagcuggggcaugaucugaugagc.....	20	0	Tm1
.....uagcuggggcaugaucugaugagcu.....	1	0	Tm1
.....ucuuagcuggggcaugaucugau.....	1	0	em3
.....uuagcuggggcaugaucugauga.....	1	0	em3
.....uagcuggggcaugaucugaugagc.....	1	0	em3
.....uagcuggggcaugaucugaugagcA.....	1	1	em3
.....ucuuagcuggggcaugaucugaugagcu.....	2	0	mm3
.....uuagcuggggcaugaucugaugag.....	1	0	mm3
.....uuagcuggggcaugaucugaugagc.....	7	0	mm3
.....uagcuggggcaugaucugaugagc.....	6	0	mm3
.....ucuuagcuggggcaugauc.....	2	0	th7
.....ucuuagcuggggcaugaucu.....	3	0	th7
.....uuagcuggggcaugaucugauga.....	1	0	th7
.....uuagcuggggcaugaucugaugag.....	1	0	th7
.....uuagcuggggcaugaucugaugagc.....	1	0	th7
.....uagcuggggcaugaucugaugag.....	1	0	th7
.....uagcuggggcaugaucugaugagc.....	2	0	th7
.....ucuuagcuggggcaugauc.....	1	0	nct
.....uagcuggggcaugaucugaugagcu.....	1	0	nct
.....ucuuagcuggggcaugaucugau.....	1	0	cx1
.....uuagcuggggcaugaucugaugagc.....	13	0	cx1
.....uagcuggggcaugaucugaug.....	1	0	cx1
.....uagcuggggcaugaucugauga.....	1	0	cx1
.....uagcuggggcaugaucugaugagc.....	22	0	cx1
.....uagcuggggcaugaucugaugagcA.....	1	1	cx1
.....uagcuggggcaugaucugaugagcu.....	2	0	cx1
.....agcuggggcaugaucugaugagc.....	1	0	cx1
.....cugaugagcucacagccagg.....	1	0	cx1
.....cugaugagcucacagccaggcucug.....	1	0	cx1
.....cugaugagcucacagccaggcucugg.....	1	0	cx1
.....Uuuagcuggggcaugaucugaug.....	3	1	Am1
.....uuagcuggggcaugaucugauga.....	3	0	Am1
.....uuagcuggggcaugaucugaugagc.....	5	0	Am1
.....uagcuggggcaugaucugaugagc.....	1	0	Am1

Provisional ID : chr15_37558
 Score total : 406.2
 Score for star read(s) : 3.9
 Score for read counts : 395.8
 Score for mfe : 1.9
 Score for randfold : 1.6
 Score for cons. seed : 3
 Total read count : 788
 Mature read count : 785
 Loop read count : 1
 Star read count : 2



Mature

Star

5' -	reads	mm	obs	sample
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	nkc
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	mdc
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	CFU
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	3	0	exp	48t
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	48t
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	48t
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	mzb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	lun
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	gcb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	6	0	exp	gcb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	17	0	exp	gcb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	36	0	exp	gcb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	76	0	exp	gcb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	3	0	exp	gcb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	gcb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	gcb
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	1	exp	ut2
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	hr1
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	je1
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	1	exp	je1
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	2	0	exp	pcl
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	pcl
ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	exp	pcl

Mature

Star

ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaacacacacgucuccaggucacuuuguuucacagccucgcacucacuc

.....ucugggggcuugugugguag.....	2	0	kdn
.....ucugggggcuugugugguagg.....	2	0	kdn
.....ucugggggcuugugugguaggg.....	1	0	kdn
.....caucugggggcuugugugguag.....	2	0	gc2
.....ucugggggcuugugugguua.....	15	0	gc2
.....ucugggggcuugugugguag.....	32	0	gc2
.....ucugggggcuugugugguagg.....	43	0	gc2
.....ucugggggcuugugugguaggg.....	46	0	gc2
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.....ugggggcuugugugguaggg.....	2	0	gc2
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.....ucugggggcuugugugguagg.....	1	0	sp2
.....ucugggggcuugugugguaggg.....	6	0	sp2
.....ugggggcuugugugguaggg.....	1	0	sp2
.....ucaucugggggcuugugugguua.....	1	0	mus
.....ucugggggcuugugugguua.....	3	0	mus
.....ucugggggcuugugugguag.....	2	0	mus
.....ucugggggcuugugugguaggg.....	1	0	mus
.....ucugggggcuugugugguag.....	1	0	skn
.....ucugggggcuugugugguagg.....	1	0	skn
.....ucugggggcuugugugguaggg.....	1	0	skn
.....ucugggggcuugugugguua.....	4	0	nt2
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.....ucugggggcuugugugguaggg.....	1	0	nt2
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.....ucugggggcuugugugguagg.....	10	0	itr
.....ucugggggcuugugugguaggg.....	6	0	itr
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.....ucugggggcuugugugguua.....	7	0	c8t
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.....ucugggggcuugugugguagg.....	13	0	c8t
.....ucugggggcuugugugguaggg.....	5	0	c8t
.....ucugggggcuugugugguag.....	1	0	li3
.....ucugggggcuugugugguagg.....	2	0	li3
.....ucugggggcuugugugguaggU.....	1	1	hi2
.....ucugggggcuugugugguua.....	6	0	ntr
.....ucugggggcuugugugguag.....	13	0	ntr
.....ucugggggcuugugugguagg.....	13	0	ntr
.....ucugggggcuugugugguaggg.....	8	0	ntr
.....ucugggggcuugugugguag.....	2	0	pan
.....ucugggggcuugugugguagg.....	3	0	pan
.....ucugggggcuugugugguaggg.....	2	0	pan
.....ucugggggcuugugugguag.....	1	0	nt1
.....ucugggggcuugugugguaggg.....	1	0	nt1
.....uaacacacacgucuccagguaU.....	1	1	hr3
.....ggaaucugagcgagacc.....	1	0	ay2
.....ucugggggcuugugugguua.....	9	0	c4t
.....ucugggggcuugugugguag.....	9	0	c4t
.....ucugggggcuugugugguagg.....	9	0	c4t

Mature

Star

ucuggaugggaaugaugucaucugggggcuugugugguaggggaaucugagcgagaccuaacacacacgucuccaggucacuuuguuucacagccucgcacucacuc			
.....ucugggggcuugugugguaggg.....	6	0	c4t
.....ucugggggcuugugugguagga.....	1	1	tp2
.....ucugggggcuuguguggua.....	5	0	pob
.....ucugggggcuugugugguag.....	8	0	pob
.....ucugggggcuugugugguaggg.....	20	0	pob
.....ucugggggcuugugugguagggg.....	31	0	pob
.....ugggggcuugugugguaggg.....	2	0	pob
.....ucugggggcuuguguggua.....	2	0	peb
.....ucugggggcuugugugguag.....	12	0	peb
.....ucugggggcuugugugguaggg.....	20	0	peb
.....ucugggggcuugugugguagggg.....	8	0	peb
.....ucugggggcuugugugguagggg.....	1	0	peb
.....ucugggggcuugugugguaggg.....	1	0	tp1
.....ucugggggcuuguguggua.....	1	0	bac
.....ucugggggcuugugugguag.....	4	0	bac
.....ucugggggcuugugugguaggg.....	1	0	bac
.....ucugggggcuugugugguagggg.....	2	0	bac
.....gcuugugugggaggggg.....	1	1	ool
.....ucugggggcuugugugguaggg.....	1	0	3Ta
.....ucugggggcuugugugguag.....	2	0	sp1
.....ucugggggcuugugugguaggg.....	1	0	sp1
.....ucugggggcuugugugguagggg.....	3	0	sp1
.....ucugggggcuugugugguagggg.....	1	1	li2
ucuggUugggaaugaug.....	1	1	li1
.....ucugggggcuuguguggua.....	6	0	imb
.....ucugggggcuugugugguag.....	5	0	imb
.....ucugggggcuugugugguaggg.....	7	0	imb
.....ucugggggcuugugugguagggg.....	10	0	imb
.....ucugggggcuugugugguag.....	2	0	bm1
.....ucugggggcuuguguggua.....	6	0	th2
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.....ucugggggcuuguguggua.....	1	0	sg1
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.....ucugggggcuugugugguagggg.....	2	0	sg1
.....ucugggggcuugugugguag.....	4	0	nt4
.....ucugggggcuugugugguaggg.....	3	0	nt4
.....ucugggggcuugugugguagggg.....	7	0	nt4
.....ucugggggcuugugugguagggg.....	1	0	nt4
.....cuaacacacacgucuccaggua.....	1	0	nt4
.....ucugggggcuugugugguaggg.....	1	0	mm3
.....ucugggggcuugugugguagggg.....	4	0	mm3
.....ucugggggcuugugugguag.....	5	0	th7
.....ucugggggcuugugugguaggg.....	3	0	th7
.....ucugggggcuugugugguagggg.....	2	0	th7
.....ucugggggcuuguguggua.....	6	0	nct
.....ucugggggcuugugugguag.....	24	0	nct
.....ucugggggcuugugugguaggg.....	17	0	nct
.....ucugggggcuugugugguagggg.....	10	0	nct

Star

Mature

ggugcuggagcucggagcggaccocgggucucccguagcccgggcgguugcuucccggagagucgcccggggaugcagcgcacggggcgagagaagcuccaaagcuucccaag			
.....gaugcagcgcacggggcgagaga.....	5	0	gcb
.....gucgccgugggaugcagc.....	1	0	ut2
.....ugggaugcagcgcacggggcgaU.....	1	1	ut2
.....gggaugcagcgcacggggcgagaA.....	1	1	ut2
.....ggaugcagcgcacggggcgagaA.....	1	1	ut2
.....gaugcagcgcacggggcgagU.....	1	1	ut2
.....gaugcagcgcacggggcgagaU.....	2	1	ut2
.....gaugcagcgcacggggcgagaAa.....	1	1	ut2
.....gaugcagcgcacggggcgagagU.....	5	1	ut2
.....gaugcagcgcacggggcgagaga.....	3	0	ut2
.....gaugcagcgcacggggcgagagUa.....	1	1	ut2
.....ggaugcagcgcacggggcgaga.....	1	0	kdn
.....gaugcagcgcacggggcgag.....	1	0	kdn
.....gaugcagcgcacggggcgaga.....	1	0	kdn
.....gaugcagcgcacggggcgagag.....	1	0	kdn
.....gaugcagcgcacggggcgagaga.....	1	0	kdn
.....gaugcagcgcacggggcgaga.....	1	0	h11
.....gaugcagcgcacggggcgagagU.....	3	1	h11
.....ggaugcagcgcacggggcgagaU.....	1	1	h1c
.....gaugcagcgcacggggcgagaU.....	1	1	h1c
.....gaugcagcgcacggggcgagaga.....	1	1	h1c
.....gaugcagcgcacggggcgagagU.....	10	1	h1c
.....gaugcagcgcacggggcgagagUa.....	1	1	h1c
.....gaugcagcgcacggggcgagagaaU.....	1	1	h1c
.....gaugcagcgcacggggcgag.....	1	0	mus
.....gaugcagcgcacggggcgaga.....	1	0	mus
.....ggaugcagcgcacggggcgaga.....	2	0	itr
.....gaugcagcgcacggggcgag.....	7	0	itr
.....gaugcagcgcacggggcgaga.....	5	0	itr
.....gaugcagcgcacggggcgagag.....	4	0	itr
.....gaugcagcgcacggggcgagagU.....	1	1	em2
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.....gaugcagcgcacggggcgagag.....	3	0	bm2
.....gaugcagcgcacggggcgagaga.....	1	0	bm2
.....gaugcagcgcacggggcgagagaa.....	1	0	bm2
.....gaugcagcgcacggggcgagU.....	1	1	br2
.....gaugcagcgcacggggcgagagU.....	1	1	br2
.....gaugcagcgcacggggcgagaga.....	1	1	Tm2
.....gcucggagcggaccocgggucucccguag.....	1	0	hi2
.....ugggaugcagcgcacggggcgaU.....	1	1	hi2
.....gaugcagcgcacggggcgag.....	1	0	hi2
.....gaugcagcgcacggggcgaga.....	1	0	hi2
.....gaugcagcgcacggggcga.....	1	0	em1
.....gaugcagcgcacggggcgagag.....	1	0	em1
.....gaugcagcgcacggggcgag.....	13	0	ntr
.....gaugcagcgcacggggcgaga.....	1	0	ntr
.....gaugcagcgcacggggcgagag.....	7	0	ntr
.....gaugcagcgcacggggcgagaga.....	1	0	ntr
.....ggaugcagcgcacggggcgagaU.....	1	1	hr3
.....gaugcagcgcacggggcgagagU.....	1	1	ay2
.....guagcccgggcgguugcuuccc.....	1	0	hi1
.....gaugcagcgcacggggcgagagU.....	1	1	hi1
.....gaugcagcgcacggggcgagagUa.....	1	1	hi1
.....gugcuggagcucggagcgc.....	1	0	Tp2

Star

Mature

ggugcuggagcucggagcggaccgccggucucccgagaccggggcggugcuucccgagagucgcccggggaugcagcgcacggggcgagagaagcuccaaagcuucccaag			
.gugcuggagcucggagcggaccgcg.....	1	0	Tp2
.....gaucagcgcacggggcgaga.....	1	0	Tp1
.....gaucagcgcacggggcgagagU.....	2	1	Tp1
.....aucagcgcacggggcgag.....	1	0	Tp1
.....gaucagcgcacggggcgagag.....	1	0	nb3
.....gaucagcgcacggggcgag.....	2	0	bac
.....gaucagcgcacggggcgaga.....	1	0	bac
.....gaucagcgcacggggcgagag.....	1	0	bac
.....gaucagcgcacggggcgagaga.....	2	0	bac
.....gaucagcgcacggggcgag.....	2	0	sp1
.....gaucagcgcacggggcgaga.....	1	0	sp1
.....gaucagcgcacggggcgagag.....	7	0	sp1
.....aucagcgcacggggcgagagaag.....	1	0	sp1
.....ugggaugcagcgcacggggcga.....	1	0	3Ta
.....Cggaugcagcgcacggggcgaga.....	1	1	3Ta
.....ggaugcagcgcacggggcgaga.....	1	0	3Ta
.....gaucagcgcacggggcgaga.....	4	0	3Ta
.....gaucagcgcacggggcgagag.....	2	0	3Ta
.....gaucagcgcacggggcgagaU.....	1	1	3Ta
.....gaucagcCcacggggcgagag.....	1	1	3Ta
.....gaucagcgcacggggcgagaga.....	1	0	3Ta
.....gaucagcgcacggggcgagagU.....	14	1	3Ta
.....gaucagcgcacggggcgagagaU.....	1	1	3Ta
.....gaucagcgcacggggcgagagaUa.....	3	1	3Ta
.....cucggagcggaccgccggucucc.....	1	0	li2
.....uuccccgaUagucgccguggau.....	1	1	li2
.....gaucagcgcacggggcgagag.....	1	0	li2
.....gaucagcgcacggggcgagaU.....	1	1	li2
.....gaucagcgcacggggcgagagU.....	2	1	li2
.....gaucagcgcacggggcgagagaA.....	1	1	li2
.....gaucagcgcacggggcgag.....	3	0	imb
.....gaucagcgcacggggcgaga.....	8	0	imb
.....gaucagcgcacggggcgagag.....	25	0	imb
.....gaucagcgcacggggcgagaga.....	5	0	imb
.....gaucagcgcacggggcgagagaa.....	2	0	imb
.....ggaugcagcgcacggggcgag.....	1	0	bm1
.....gaucagcgcacggggcgag.....	6	0	bm1
.....gaucagcgcacggggcgaga.....	2	0	bm1
.....gaucagcgcacggggcgagag.....	7	0	bm1
.....gaucagcgcacggggcgagaga.....	5	0	bm1
.....gaucagcgcacggggcgagagaa.....	1	0	bm1
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Star

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Star

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.....uuuccguguuucgucugaccac.....	1	0	c4t
.....uuuccguguuucgucugaccacu.....	1	0	c4t
.....uucccguguuucgucugacc.....	3	0	c4t
.....uucccguguuucgucugacca.....	1	0	c4t
.....uucccguguuucgucugaccacu.....	2	0	c4t
.....acuggaaaagguggaacacgg.....	1	0	c4t
.....acuggaaaagguggaacacggaa.....	2	0	c4t
.....cuggaaaagguggaacacgga.....	1	0	c4t
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.....uggaaaagguggaacacggaac.....	31	0	c4t
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.....cuuuccguguuucgucugacca.....	1	0	pob
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.....uuuccguguuucgucugac.....	3	0	pob
.....uuuccguguuucgucugacc.....	4	0	pob
.....uuuccguguuucgucugacca.....	9	0	pob
.....uuuccguguuucgucugaccac.....	16	0	pob
.....uuuccguguuucgucugaccacu.....	6	0	pob
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.....uggaaaagguggaacacggaacaa.....	3	0	pob
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.....uuuccguguuucgucugacc.....	7	0	peb
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.....cugaaaagguggaacacggaac.....	2	0	peb
.....uggaaaagguggaacacgga.....	1	0	peb
.....uggaaaagguggaacacgga.....	20	0	peb
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.....uggaaaagguggaacacggaacaa.....	3	0	peb
.....uggaaaagguggaacacggaacaac.....	1	0	peb
.....gaaagguggaacacggaacaac.....	1	0	peb
.....acugaaaagguggaacacgg.....	1	0	gc2
.....acugaaaagguggaacacgga.....	4	0	gc2
.....acugaaaagguggaacacgga.....	10	0	gc2
.....acugaaaagguggaacacggaac.....	1	0	gc2
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.....cugaaaagguggaacacgga.....	1	0	gc2
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.....uggaaaagguggaacacgga.....	18	0	gc2
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.....acugaaaagguggaacacgga.....	2	0	pc1
.....uggaaaagguggaacacgga.....	2	0	pc1
.....acugaaaagguggaacacgga.....	1	0	bac
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.....cugaaaagguggaacacgga.....	2	0	bac
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.....uggaaaagguggaacacgga.....	1	0	bac
.....uggaaaagguggaacacgga.....	9	0	bac
.....cuuuccguguuucgucugacca.....	1	0	sp2
.....cuuuccguguuucgucugaccacu.....	1	0	sp2
.....uuuccguguuucgucugac.....	2	0	sp2
.....uuuccguguuucgucugacc.....	1	0	sp2
.....uuuccguguuucgucugacca.....	5	0	sp2
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.....uuuccguguuucgucugacca.....	4	0	sp1
.....uuuccguguuucgucugaccac.....	4	0	sp1
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.....uggaaaagguggaacacggaac.....	3	0	sp1
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.....uggaaaagguggaacacggaacaa.....	1	0	sp1
.....uggaaaagguggaacacgga.....	1	0	skn
.....uuuccguguuucgucugaccac.....	1	0	nt2
.....cuuuccguguuucgucugacca.....	2	0	imb

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.....uuuccguguuucgucugacc.....	3	0	imb
.....uuuccguguuucgucugacca.....	4	0	imb
.....uuuccguguuucgucugaccac.....	2	0	imb
.....uuuccguguuucgucugaccacu.....	3	0	imb
.....uuuccguguuucgucugaccacu.....	5	0	imb
.....uuccguguuucgucugaccacu.....	1	0	imb
.....acuggaaagguggaacacggaa.....	2	0	imb
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.....cuggaaagguggaacacggaa.....	4	0	imb
.....uggaaagguggaacacggaa.....	5	0	imb
.....uggaaagguggaacacggaa.....	12	0	imb
.....uggaaagguggaacacggaaac.....	3	0	imb
.....uggaaagguggaacacggaaacaa.....	2	0	imb
.....uuuccguguuucgucugacca.....	1	0	itr
.....acuggaaagguggaacacgg.....	1	0	th2
.....uggaaagguggaacacggaa.....	1	0	th2
.....uuuccguguuucgucugaccacu.....	1	0	sg1
.....uggaaagguggaacacggaa.....	1	0	sg1
.....uuuccguguuucgucugac.....	1	0	nt4
.....uuuccguguuucgucugacc.....	1	0	nt4
.....uuuccguguuucgucugacca.....	4	0	nt4
.....uuuccguguuucgucugaccac.....	1	0	nt4
.....uuuccguguuucgucugaccacu.....	1	0	nt4
.....uggaaagguggaacacggaa.....	1	0	nt4
.....uggaaagguggaacacggaa.....	2	0	th7
.....uuuccguguuucgucugacc.....	1	0	c8t
.....uuuccguguuucgucugacca.....	1	0	c8t
.....uuuccguguuucgucugaccacu.....	1	0	c8t
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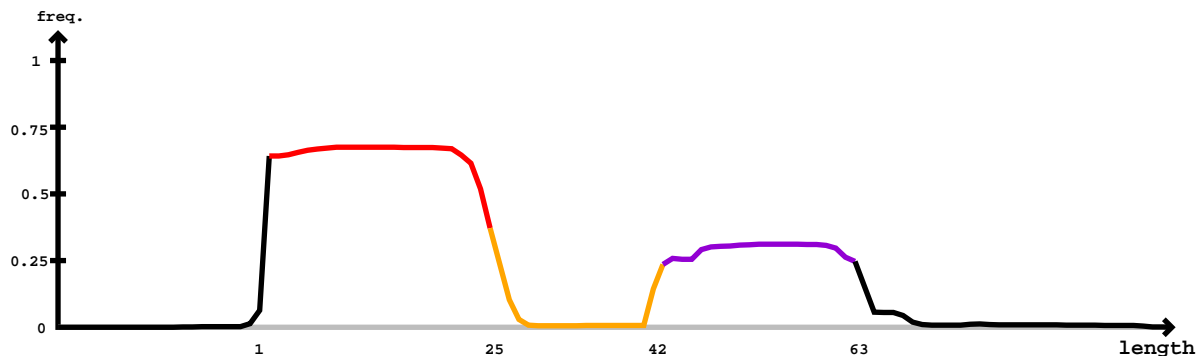
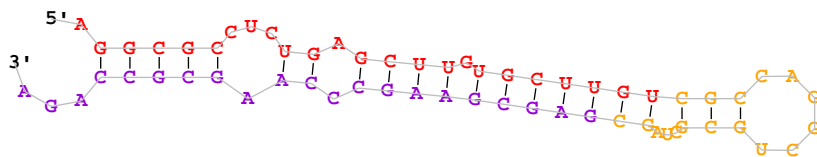
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.....uagggaaauagcucagcagua.....	1	0	mm1
.....guuaggAaaauagcucagcaguu.....	1	1	te1
.....uuagggaauuagcucagcaguu.....	1	0	em2
.....aguuaagggaauuagcucagcag.....	2	0	mE8
.....uuagggaauuagcucagcaguu.....	1	0	mE8
.....guuaggAaaauagcucagcaguu.....	1	1	ut1
.....uuaggAaaauagcucagcaguu.....	1	1	ut1
.....uuaggAaaauagcucagcaguu.....	2	1	ut1
.....uagggaaauagcucagcaguu.....	1	0	ut1
.....uuaggAaaauagcucagcaguu.....	1	1	br2
.....uuaggAaaauagcucagcaguu.....	1	1	br2
.....uuaggAaaauagcucagcaguu.....	1	1	ov2
.....uuagggaauuagcucagcaguu.....	1	0	ntr
.....uagggaaauuagcucagcaguu.....	1	0	ntr
.....guuagggaauuagcucagcaguu.....	1	0	mm2
.....uuagggaauuagcucagcaguu.....	1	0	mm2
.....uagggaaauuagcucagcaguu.....	1	1	hr3
.....aguuaagggaauuagcucagcaguu.....	1	0	c4t
.....uuauacugcugagcuaaa.....	1	1	hi1
.....ugcugagcuaauucccuaacug.....	1	0	hi1
.....Cacugcucuggaagaggacc.....	1	1	Tp2
.....ugcugagcuaauucccuaacu.....	1	0	mE1
.....uuaggAaaauagcucagc.....	2	1	mE1
.....uuaggAaaauagcucagca.....	1	1	mE1
.....uuaggCaaauagcucagcaguu.....	1	1	mE1
.....uuaggAaaauagcucagcaguu.....	4	1	mE1
.....uuaggAaaauagcucagcaguu.....	4	1	mE1
.....uuaggAaaauagcucagcaguu.....	3	1	mE1
.....guuaggAaaauagcucagcaguu.....	1	1	nb3
.....uuaggAaaauagcucagcaguu.....	1	1	nb3
.....cugcugagcuaauucccuaacu.....	10	0	3Ta
.....cugcugagcuaauucAcuaacu.....	1	1	3Ta
.....guuaggAaaauagcucagcaguu.....	11	1	3Ta
.....uuaggAaaauagcucagcaguu.....	6	1	3Ta
.....uuaggAaaauagcucagcaguu.....	129	1	3Ta
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.....uaggAaaauagcucagcaguu.....	2	1	3Ta
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.....ugcugagcuaauucccuaacug.....	1	0	li2
.....aguuaagggaauuagcucagcaguu.....	1	0	sg1
.....uuagggaauuagcucagcaguu.....	1	0	sg1
.....uagggaaauuagcucagcaguu.....	1	0	sg1
.....aguuaagggaauuagcucagcaguu.....	1	0	nt4
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.....uagggaaauuagcucagcaguu.....	1	0	nt4
.....uagggaaauuagcucagcaguu.....	2	0	nt4
.....uuauacugcugagcuaauucc.....	1	0	Tm1

gacaggacaugcccuauacugcugagcuaauucccuaacugcuauguggagcugcaguuagggaaauagcucagcaguaaagggaugacugcucuggaagaggaccca

.....uauacugcugagcuaauucccuaacug.....	1	0	Tm1
.....gcuauuggagcugcag.....	1	0	mm3
.....guuagggaaauagcucagcaguu.....	2	0	mm3
.....uuagggaaauagcucagcaguu.....	3	0	mm3
.....uagggaaauagcucagcaguu.....	1	0	mm3
.....uuaggAaaauagcucagcagua.....	1	1	nb2
.....ugcugagcuaauucccuaacu.....	2	0	Am1
.....ugcugagcuaauAccuaacu.....	1	1	Am1
.....ugcugagcuaauucccuaacug.....	16	0	Am1
.....ugcCgagcuaauucccuaacug.....	1	1	Am1

Provisional ID : chr1_2655
 Score total : 435.6
 Score for star read(s) : 3.9
 Score for read counts : 428.9
 Score for mfe : 2
 Score for randfold : -2.2
 Score for cons. seed : 3
 Total read count : 853
 Mature read count : 594
 Loop read count : 0
 Star read count : 259



Mature

Star

5' -	obs	reads	mm	sample
gagccuggggcaaccugccaggcgccucugagcuugugcuugucgcccaggcugcgcuagcgagcgaagcccaagcgccaga	-3'			
gagccuggggcaaccugccaggcgccucugagcuugugcuugucgcccaggcugcgcuagcgagcgaagcccaagcgccaga	exp			
..(((.....))..(((((((.....))))))))))..))))))..(((.....))..)))))).....				
.....caggcgccucugagcuuguc.....		2	0	nkc
.....caggcgccucugagcuugucuu.....		1	0	nkc
.....caggcgccucugagcuugugcuug.....		5	0	nkc
.....caggcgccucugagcuugugcuuguc.....		3	0	nkc
.....aggcgccucugagcuugugc.....		3	0	nkc
.....aggcgccucugagcuugugcu.....		7	0	nkc
.....aggcgccucugagcuugugcuu.....		3	0	nkc
.....aggcgccucugagcuugugcuug.....		30	0	nkc
.....aggcgccucugagcuugugcuugu.....		32	0	nkc
.....aggcgccucugagcuugugcuuguc.....		10	0	nkc
.....aggcgccucugagcuugugcuugcg.....		20	0	nkc
.....cgagcgaagcccaagcgcca.....		3	0	nkc
.....cgagcgaagcccaagcgccaga.....		1	0	nkc
.....gagcgaagcccaagcgccagacc.....		1	0	nkc
.....aagcccaagcgccagaccuuuu.....		1	0	nkc
.....gagcgaagcccaagcgccaga.....		1	0	ay3
.....aggcgccucugagcuugugcuuguc.....		1	0	mdc
.....cgagcgaagcccaagcgcca.....		1	0	mdc
.....cgagcgaagcccaagcgccag.....		1	0	mdc
.....caccugccaggcgccucugagcuugugcuugucg.....		1	0	CFU
.....ccugccaggcgccucugagc.....		1	0	CFU
.....caggcgccucugagcuugugcuug.....		1	0	CFU
.....aggcgccucugagcuugugcuugu.....		1	0	CFU
.....caggcugcgcuagcgagcgaagcccaagc.....		1	0	CFU
.....gcuagcagcgaagcccaagcgccagaccuuuu.....		1	0	CFU
.....cgagcgaagcccaagcgccag.....		1	0	CFU
.....cgagcgaagcccaagcgccCga.....		1	1	CFU
.....cgagcgaagcccaagcgccaga.....		2	0	CFU
.....cgCgcgaagcccaagcgccaga.....		1	1	CFU
.....gagcgaagcccaagcgccCga.....		2	1	CFU

Mature

Star

Sequence	Mature Count	Star Count	Label
gagcccggggcaaccugccaggcgccucugagcuugugcuugucgcccaggcgccuagcgagcgaagcccaagcgccagaccuuuuacuugggacgggcggaagagaag			
.....gagcgaAAcccaagcgccaga.....	1	1	CFU
.....gagcgaagcccaaCcgccaga.....	1	1	CFU
.....gagcgcCagcccaagcgccaga.....	2	1	CFU
.....gagcgaagcccaagcgccaga.....	13	0	CFU
.....gagcgaagcccaagcgccagC.....	1	1	CFU
.....gagcgaagcccaagcgccagG.....	1	1	CFU
.....gagcgaagccCagcgccaga.....	2	1	CFU
.....gaagcccaagcgccagaccuu.....	1	0	CFU
.....gaCgcccaagcgccagaccuuu.....	1	1	CFU
.....gaagcccaagcgccagaccuuu.....	4	0	CFU
.....gaagcccaagcgccagaccuuuA.....	1	1	CFU
.....gaagcccaagcgccagaccuuu.....	3	0	CFU
.....ccuuuuacuugggacgggc.....	1	0	CFU
.....aggcgccucugagcuugugcuugu.....	2	0	48t
.....aagcccaagcgccagac.....	1	0	mED
.....aggcgccucugagcuugugcuugu.....	1	0	mzb
.....gagcgaAAcccaagcgccaga.....	1	1	t11
.....gagcgaagcccaagcgccaga.....	10	0	t11
.....gaagcccaagcgccagaccuu.....	1	0	t11
.....gaagcccaagcgccagaccuuu.....	2	0	t11
.....ccuuuuacuugggacgggG.....	1	1	t11
.....ugggacgggGgggaagag.....	1	1	t11
.....caggcgccucugagcuugugcuugu.....	3	0	gcb
.....aggcgccucugagcuugugc.....	1	0	gcb
.....aggcgccucugagcuugugcuu.....	1	0	gcb
.....aggcgccucugagcuugugcuug.....	10	0	gcb
.....aggcgccucugagcuugugcuugu.....	19	0	gcb
.....aggcgccucugagcuugugcuuguc.....	5	0	gcb
.....aggcgccucugagcuugugcuugcg.....	8	0	gcb
.....cgagcgaagcccaagcgcc.....	2	0	gcb
.....cgagcgaagcccaagcgcca.....	2	0	gcb
.....cgagcgaagcccaagcgccag.....	1	0	gcb
.....cgagcgaagcccaagcgccaga.....	2	0	gcb
.....gaagcccaagcgccagaccuu.....	1	0	gcb
.....agcccaagcgccagaccuuuuacu.....	1	0	gcb
.....aggcgccucugagcuugugcuug.....	1	0	ut2
.....cgagcgaagcccaagcgccaga.....	1	0	ut2
.....cgagcgaagcccaagcgccaU.....	1	1	je1
.....ccaggcgccucugagcuugugcu.....	1	0	pc1
.....caggcgccucugagcuugugcu.....	1	0	pc1
.....caggcgccucugagcuugugcuu.....	1	0	pc1
.....aggcgccucugagcuugug.....	3	0	pc1
.....aggcgccucugagcuugugc.....	2	0	pc1
.....aggcgccucugagcuugugcu.....	5	0	pc1
.....aggcgccucugagcuugugcuu.....	17	0	pc1
.....aggcgccucugagcuugugcuug.....	16	0	pc1
.....aggcgccucugagcuugugcuugu.....	27	0	pc1
.....aggcgccucugagcuugugcuuguc.....	3	0	pc1
.....aggcgccucugagcuugugcuugcg.....	2	0	pc1
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.....aagcccaagcgccagaccuu.....	1	0	pc1
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.....caggcgccucugagcuugugcuugcg.....	1	0	gc2
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.....aggcgccucugagcuugugcu.....	1	0	gc2
.....aggcgccucugagcuugugcuu.....	11	0	gc2
.....aggcgccucugagcuugugcuug.....	13	0	gc2
.....aggcgccucugagcuugugcuugu.....	16	0	gc2

Mature

Star

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.....aggcgccucugagcuugugcuugucg.....	2	0	gc2
.....cgagcgaagcccaagcgcc.....	1	0	gc2
.....cgagcgaagcccaagcgcca.....	3	0	gc2
.....cgagcgaagcccaagcgccag.....	2	0	gc2
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.....agcgaagcccaagcgccaga.....	1	0	gc2
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.....caggcgccucugagcuugugcuug.....	1	0	sp2
.....aggcgccucugagcuugugcuu.....	1	0	sp2
.....aggcgccucugagcuugugcuug.....	7	0	sp2
.....aggcgccucugagcuugugcuugu.....	14	0	sp2
.....aggcgccucugagcuugugcuuguc.....	4	0	sp2
.....aggcgccucugagcuugugcuugucg.....	8	0	sp2
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.....aggcgccucugagcuugugcuug.....	2	0	Am2
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.....uugucgccaggcgcuagcga.....	2	0	Am2
.....cgagcgaagcccaagcgccaga.....	2	0	te1
.....cgagcgaagcccaagcgcca.....	1	0	mm1
.....cgagcgaagcccaagcgccaga.....	1	0	mm1
.....gagcgaagcccaagcgccaga.....	1	0	mm1
.....ccaggcgccucugagcuugugc.....	1	0	skn
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.....gaagcccaagcgccaga.....	3	0	mE8

Mature

Star

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.....aggcgccucugagcuugugcuugu.....	1	0	c8t
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.....aggcgccucugagcuugugcuu.....	1	0	ay1
.....agccAaagcgcagaccuuuu.....	1	1	hi2
.....ccaagcgcagaccuuuuacuug.....	1	0	hi2
.....aggcgccucugagcuugugcu.....	1	0	Tm2
.....aggcgccucugagcuugugcuuA.....	1	1	Tm2
.....aggcgccucugagcuugugcuugc.....	1	0	Tm2
.....aggcgccucugagcuugugcuugu.....	1	0	ntr
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Mature

Star

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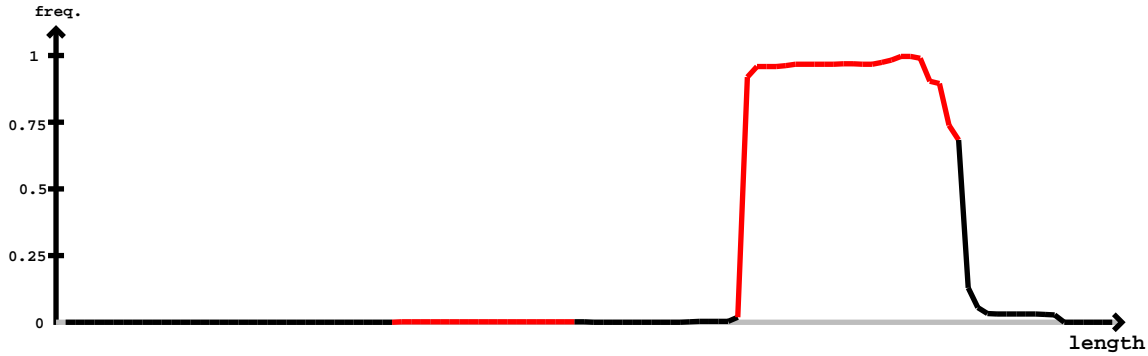
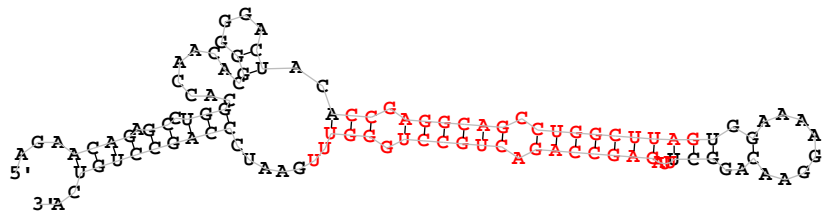
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.....gagcgaagcccaagcgcca.....	1	0	li2
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Mature

Star

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 Total read count : 581
 mmu_chr5_30975 read count 560
 mmu_chr5_30975* read count 1
 remaining reads : 21



mmu_chr5_30975

mmu_chr5_30975*

5' -	reads	mm	exp	sample
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.....uuagagccagacugccuggguuuU.....	3	1	li1
.....uuagagAcagacugccuggguuu.....	1	1	li2
.....uuagagccagacugccuggguuu.....	4	0	li2
.....uuagagccagacGgccuggguuu.....	1	1	li2
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.....Cuagagccagacugccuggg.....	1	1	cx1
.....uuagagccagacugccugg.....	1	0	cx1
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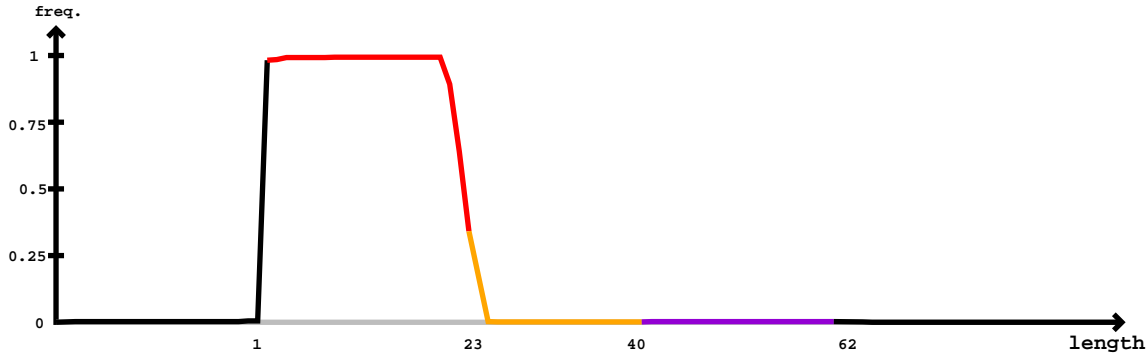
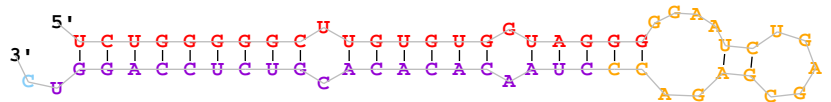
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mmu_chr14_30051*

mmu_chr14_30051

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Provisional ID : chr15_37558
 Score total : 406.2
 Score for star read(s) : 3.9
 Score for read counts : 395.8
 Score for mfe : 1.9
 Score for randfold : 1.6
 Score for cons. seed : 3
 Total read count : 788
 Mature read count : 785
 Loop read count : 1
 Star read count : 2



Mature

Star

5' -	reads	mm	sample
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ucuggaugggaaugaugucaucugggggcuugugugguagggggaauucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	3	0	48t
ucuggaugggaaugaugucaucugggggcuugugugguagggggaauucugagcgagaccuaaacacacacgucuccaggucacuuuguuuacagccucgcacucacuc	1	0	48t
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Mature

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Mature

Star

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Mature

Star

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Star

Mature

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Mature

Star

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Mature

Star

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.....acugggucucuuagguagcU.....	1	1	hr2
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.....acugggucucuuagguagc.....	1	0	sp1
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.....uaccucaagagagccagucug.....	1	0	th2
.....acugggucucuuagguagc.....	1	0	em2
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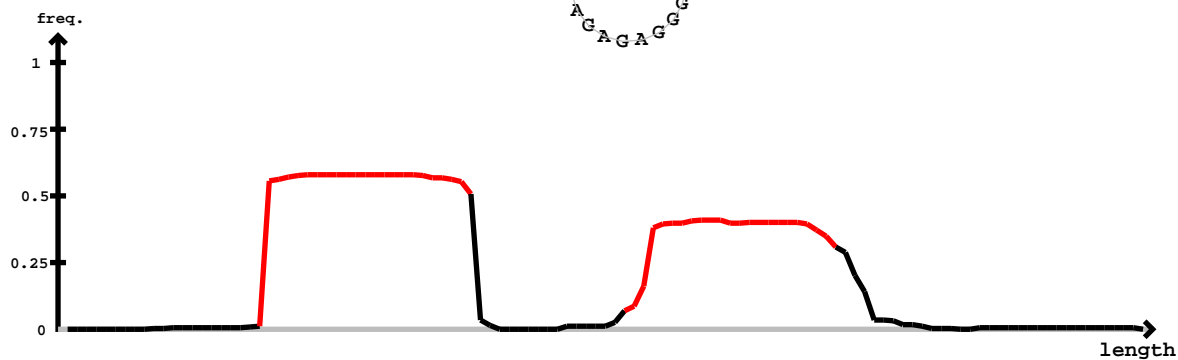
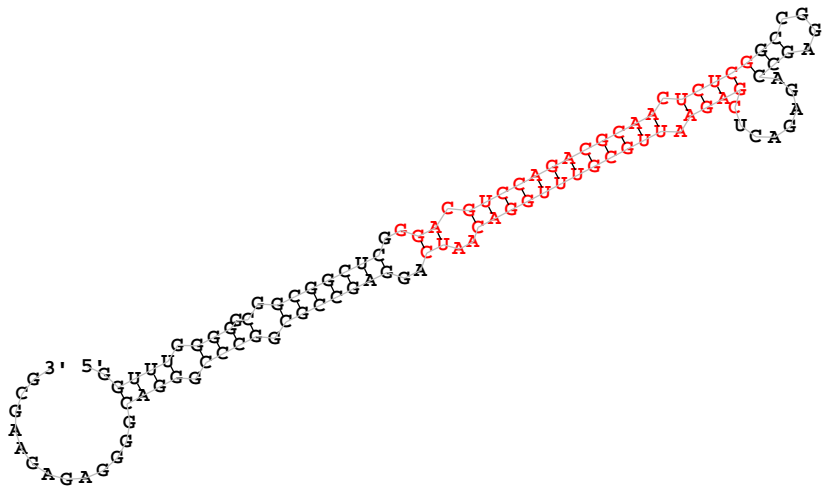
Star

Mature

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.....cugcuuguuacacuggaaauaggu.....	1	0	mE8
.....cugcuuguuacacuggaaauaggu.....	1	0	hr3
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.....agugaacaagcaguucgguaugc.....	2	0	SSC
.....aacugcuuguuacacuggaaau.....	2	0	SSC
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.....cugcuuguuAacuggaaauaggg.....	1	1	SSC
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.....Cuguuacacuggaaauaggg.....	1	1	SSC
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.....cugcuuguuacacuggaaauaggg.....	1	0	ay2
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.....acugcuuguuacacuggaaauagggAu.....	1	1	hr2
.....cugcuuguuacacuggaaauaggg.....	1	0	h1c
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miRBase precursor : mmu_chr17_15196
 Total read count : 347
 mmu_chr17_15196 read count : 100
 mmu_chr17_15196* read count : 18
 remaining reads : 147



mmu_chr17_15196*

mmu_chr17_15196

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.....	ggacguccagacgcaacucucg		4	0	E15
.....				
.....		3	1	E15
.....				
.....	ggacguccagacgcaacucuc		1	0	nkc
.....	ucgagaauugcguuuggaca		1	0	nkc
.....	ucgagaauugcguuuggacaa		1	0	nkc
.....	Aagaauugcguuuggacaauc		2	1	nkc
.....	agaauugcguuuggacaauc		2	0	nkc
.....	agaauugcguuuggacaaucagU		1	0	nkc
.....				
.....	ggacguccagacgcaacucCcg		1	1	3T3
.....				
.....	ggacguccagacgcaacucucg		1	0	ay3
.....				
.....	ggacguccagacgcaacucucg		4	0	mdc
.....	cucgagaauugcguuuggaca		1	0	mdc
.....	Aagaauugcguuuggacaauc		1	1	mdc
.....	agaauugcguuuggacaauc		1	0	mdc
.....	agaauugcguuuggacaauc		1	0	mdc
.....	agaauugcguuuggacaaucagU		1	1	mdc
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.....	Aagaauugcguuuggacaauc		1	1	48t
.....	agaauugcguuuggacaaucagU		1	1	48t
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.....	agaauugcguuuggacaauc		1	0	lun
.....				
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.....	cucgagaauugcguuuggac		1	0	mzb
.....				
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.....	ggacgucUagacgcaacucucg		1	1	SSC
.....	ggacguccagacgcaacucucg		9	0	SSC

mmu_chr17_15196

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.....ggacguccagacgcaac.....	1	0	nct
.....ggacguccagacgcaacucucg.....	3	0	nct
.....agaaugcguuuggacaauccag.....	1	0	nct
.....agagacuGgagaauugc.....	2	1	Am1
.....gggacggggagUgaagc.....	1	1	Am1

gagccaucucucagccccugauauacuuaauaugcuucaggacugcagagauggcacug

.....aggacugcagagauggcU..	2	1	SSC
.....aggacugcagagauggcac..	1	0	SSC
.....aggacugcagagauggcacu.	1	0	SSC
.....aggacugcagagauggcacug	2	0	SSC
.....aggacugcagagauggAa..	1	1	gcb
.....aggacugcagagauggcac..	1	0	gcb
.....aggacugcagagauggcacu.	7	0	gcb
.....aggacugcagagauggcacA.	1	1	gcb
.....aggacugcagagauggcacug	32	0	gcb
gagccaucucucagccccuga.....	3	0	t11
gCgccaucucucagccccuga.....	1	1	t11
gagccaucucucagccccugaA.....	2	1	t11
gagccaucucucagccccugaAa.....	3	1	t11
gagccaucucucagccccugaAau.....	1	1	ut2
.....uucaggacugcagagaugg.....	1	0	ut2
.....aggacugcagagauggcacug	1	0	ut2
.....aggacugcagagauggcacug	2	0	je1
.....aggacugcagagauggcacug	2	0	kdn
.....uucaggacugcagagauggca..	1	0	gc2
.....ucaggacugcagagauggcacu.	1	0	gc2
.....aggacugcagagauggca..	1	0	gc2
.....aggacugcagagauggcac..	2	0	gc2
.....aggacugcagagauggcacu.	16	0	gc2
.....aggacugcagagauggcacug	22	0	gc2
.....gggacugcagagauggcacug	1	0	gc2
gagccaucucucagccccugaAa.....	1	1	pcl
.....aggacugcagagauggca..	2	0	pcl
.....aggacugcagagauggcacug	3	0	pcl
.....aggacugcagagauggcac..	1	0	hlc
.....aggacugcagagauggcacug	2	0	hlc
.....aggacugGagagauggc.....	1	1	h11
.....aggacugcagagauggcacug	1	0	h11
.....gggacugGagagauggca..	1	1	h11
gagccaucucucGgccccuga.....	1	1	sp2
gagccaucucucagccccugaAa.....	1	1	sp2
.....aggacugcagagauggca..	1	0	sp2
.....aggacugcagagauggAa..	1	1	sp2
.....aggacugcagagauggcac..	1	0	sp2
.....aggacugcagagauggcacu.	14	0	sp2
.....aggacugcagagauggcacug	33	0	sp2
.....aggacugcagagauggcacu.	3	0	mus
gagccaucucucCagcc.....	3	1	Am2
gagccaucucucCagccccu.....	1	1	Am2
.agccaucucucagcccU.....	1	1	Am2
.....aggacugGagagaugg.....	1	1	Am2
.....aggacugcagagauggcacu.	1	0	Am2
.....aggacugcagagauggcacA.	1	1	Am2
.....aggacugcagagauggcacu.	8	0	nt2
.....aggacugcagagauggcacug	3	0	nt2
.....uucaggacugcagagauggca..	1	0	skn
.....aggacugcagagauggca..	1	0	skn
.....aggacugcagagauggcacu.	2	0	skn
.....aggacugcagagauggcacug	2	0	skn
.....aggacugcagagauggcacu.	6	0	itr

gagccaucucucagccccgauauacuuaauaugcuucagggacugcagagauggcacug

.....agggacugcagagauggcacug	10	0	itr
.....agggacugcagagauggcacug	6	0	bm2
.agccaucucucagccGc.....	1	1	mE8
....caucucucagcccuU.....	1	1	mE8
....caucucucagcccuUa.....	1	1	mE8
.....agggacugcagagauggcacu.	1	0	hl2
.....agggacugcagagauggcacug	2	0	hl2
.....gggacugGagagauggca...	1	1	hl2
gagccaucucucagccccuga.....	1	0	je2
.....agggacugcagagauggcacug	1	0	je2
.....agggacugcagagauggcacug	2	0	ut1
gagccaucucucagccccgauU.....	1	1	c8t
.....agggacugcagagauggcacu.	18	0	c8t
.....agggacugcagagauggcacug	14	0	c8t
.....gggacugcagagauggcacug	1	0	c8t
.....agggacugcagagauggcacu.	1	0	li3
.....agggacugcagagauggcacug	1	0	li3
.....agggacugGagagaugg.....	3	1	Tm2
.....agggacugAagagaugg.....	1	1	Tm2
.....agggacugcagagauggcacug	4	0	Tm2
.....gggacugGagagauggca...	1	1	Tm2
gagccaucucucCagcc.....	1	1	hi2
gagccaucucucagccccuga.....	1	0	hi2
gagccaucucucagccccuga.....	1	0	em1
.....agggacugcagagauggcacu.	5	0	ntr
.....agggacugcagagauggcacug	10	0	ntr
.....agggacugcagagauggcacug	2	0	pan
.....agggacugcagagauggcacu.	2	0	nt1
gagccaucucucagccccgau.....	1	0	hr3
gagccaucucucagccccgaAau.....	1	1	hr3
.....cuucagggacugcagagauggcacu.	1	0	c4t
.....agggacugcagagauggca...	1	0	c4t
.....agggacugcagagauggcac..	1	0	c4t
.....agggacugcagagauggcacu.	8	0	c4t
.....agggacugcagagauggcacug	14	0	c4t
.....gggacugcagagauggcacug	1	0	c4t
.....agggacugcagagauggcacug	7	0	pob
.....agggacugGagagaugg.....	1	1	Tp2
.....agggacugcagagauggcac..	1	0	Tp2
.....agggacugcagagauggcacu.	2	0	Tp2
.....agggacugcagagauggcacug	5	0	Tp2
.....gggacugGagagauggc...	2	1	Tp2
gagccaucucucagccccuga.....	1	0	hi1
.....agggacugcagagauggcacug	1	0	peb
.....agggacugcagagauggcacug	2	0	te2
.....agggacugcagagauggcUcug	1	1	te2
.....ugcuucagggacugGagag.....	1	1	Tp1
.....agggacugcagagauggcacu.	2	0	Tp1

gagccaucucucagccccugauauacuuaauaugcuucaggacugcagagauggcacug

.....aggacugcagagauggcacug	8	0	Tp1
.....ggacugGagagauggc....	5	1	Tp1
.....aggacugcagagauggcacu.	5	0	bac
.....aggacugcagagauggcacug	10	0	bac
.....ggacugcagagauggcacug	1	0	bac
gagccaucucucagccccuga.....	4	0	mE1
gagccaucucucagccAcuga.....	1	1	mE1
gagccaucucucagccccugaA.....	3	1	mE1
.....aggacugcagagauggcac...	3	0	sp1
.....aggacugcagagauggcacu.	8	0	sp1
.....aggacugcagagauggcacug	37	0	sp1
.....ggacugcagagauggcacug	1	0	sp1
gagccaucucucagccccuga.....	2	0	3Ta
gagccaucucucCagccc.....	2	1	li1
.....aggacugcagagauggcacug	1	0	li1
.....Aggacugcagagauggc....	1	1	li1
.....ggacugGagagauggc....	1	1	li1
gagccaucucucCagcc.....	1	1	li2
gagccaucucucCagccc.....	1	1	li2
gagccaucucucagccccugauauC.....	2	1	pgr
.agccaucucucagccccugauC.....	1	1	pgr
.....aggacugcagagauggcacu.	1	0	bml
.....aggacugcagagauggcacug	2	0	bml
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.....aggacugcagagauggcac...	1	0	imb
.....aggacugcagagauggcacu.	1	0	imb
.....aggacugcagagauggcacug	14	0	imb
.....aggacugcagagauggcacu.	5	0	sg1
.....aggacugcagagauggcacug	4	0	sg1
.....aggacugcagagauggcac...	1	0	th2
.....aggacugcagagauggcac..	1	0	th2
.....aggacugcagagauggcacu.	5	0	th2
.....aggacugcagagauggcacug	7	0	th2
.....aggacugGagagaugg....	3	1	Tm1
.....aggacugcagagauggcacu.	1	0	Tm1
.....aggacugcagagauggcacug	4	0	Tm1
.....ggacugAagagauggc....	1	1	Tm1
.....ggacugGagagauggc....	2	1	Tm1
.....ggacugcagagauggcU...	1	1	Tm1
gagccaucucucagccccugaAa.....	1	1	nt4
.....aggacugcagagauggcacu.	1	0	nt4
.....aggacugcagagauggcacug	1	0	nt4
.....ucaggacugcagagauggcac..	1	0	th7
.....aggacugcagagauggcacug	3	0	th7
.....aggacugcagagauggcacu.	12	0	nct
.....aggacugcagagauggcacA.	1	1	nct
.....aggacugcagagauggcacug	20	0	nct
.....ggacugcagagauggcac..	1	0	nct
gagccaucucucagccccuga.....	2	0	cx1
gagccaucucucCagcc.....	3	1	Aml
.agccaucucucagcccU.....	2	1	Aml
.....aggacugGagagaugg....	1	1	Aml

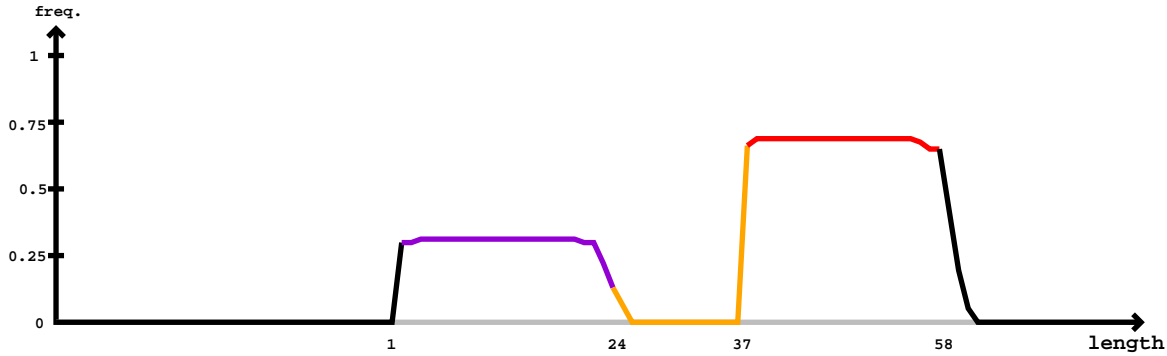
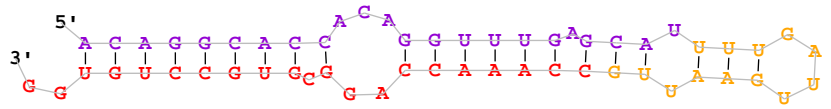
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.....uagggaauuagcucagcagua.....	1	0	mm1
.....guuaggAaauuagcucagcaguu.....	1	1	te1
.....uuagggaauuagcucagcaguu.....	1	0	em2
.....aguuagggaauuagcucagcag.....	2	0	mE8
.....uuagggaauuagcucagcaguu.....	1	0	mE8
.....guuaggAaauuagcucagcaguu.....	1	1	ut1
.....uuaggAaauuagcucagcaguu.....	1	1	ut1
.....uuaggAaauuagcucagcaguu.....	2	1	ut1
.....uagggaauuagcucagcaguu.....	1	0	ut1
.....uuaggAaauuagcucagcaguu.....	1	1	br2
.....uuaggAaauuagcucagcaguu.....	1	1	br2
.....uuaggAaauuagcucagcaguu.....	1	1	ov2
.....uuagggaauuagcucagcaguu.....	1	0	ntr
.....uagggaauuagcucagcaguu.....	1	0	ntr
.....guuagggaauuagcucagcaguu.....	1	0	mm2
.....uuagggaauuagcucagcaguu.....	1	0	mm2
.....uagggaauuagcucagcaguu.....	1	1	hr3
.....aguuagggaauuagcucagcaguu.....	1	0	c4t
.....uuauacugcugagcuaaa.....	1	1	hi1
.....ugcugagcuaauucccuaacug.....	1	0	hi1
.....Cacugcucuggaagaggacc.....	1	1	Tp2
.....ugcugagcuaauucccuaacu.....	1	0	mE1
.....uuaggAaauuagcucagc.....	2	1	mE1
.....uuaggAaauuagcucagc.....	1	1	mE1
.....uuaggCaaauuagcucagcaguu.....	1	1	mE1
.....uuaggAaauuagcucagcaguu.....	4	1	mE1
.....uuaggAaauuagcucagcaguu.....	4	1	mE1
.....uuaggAaauuagcucagcaguu.....	3	1	mE1
.....guuaggAaauuagcucagcaguu.....	1	1	nb3
.....uuaggAaauuagcucagcaguu.....	1	1	nb3
.....cugcugagcuaauucccuaacu.....	10	0	3Ta
.....cugcugagcuaauucAcuaacu.....	1	1	3Ta
.....guuaggAaauuagcucagcaguu.....	11	1	3Ta
.....uuaggAaauuagcucagcaguu.....	6	1	3Ta
.....uuaggAaauuagcucagcaguu.....	129	1	3Ta
.....uuaggAaauuagcucagcaguu.....	125	1	3Ta
.....uuaggAaauuagcucagcaguu.....	12	1	3Ta
.....uuaggAaauuagcucagcaguu.....	1	1	3Ta
.....uaggAaauuagcucagcaguu.....	2	1	3Ta
.....uaggAaauuagcucagcaguu.....	1	1	3Ta
.....ugcugagcuaauucccuaacug.....	1	0	li2
.....aguuagggaauuagcucagcaguu.....	1	0	sg1
.....uuagggaauuagcucagcaguu.....	1	0	sg1
.....uagggaauuagcucagcaguu.....	1	0	sg1
.....aguuagggaauuagcucagcaguu.....	1	0	nt4
.....uuagggaauuagcucagcaguu.....	1	0	nt4
.....uagggaauuagcucagcaguu.....	1	0	nt4
.....uagggaauuagcucagcaguu.....	2	0	nt4
.....uuauacugcugagcuaauucc.....	1	0	Tm1

gacaggacaugcccuauacugcugagcuaauucccuaacugcuauguggagcugcaguuagggaaauagcucagcaguaaagggaugacugcucuggaagaggaccca

.....uauacugcugagcuaauucccuaacug.....	1	0	Tm1
.....gcuauuggagcugcag.....	1	0	mm3
.....guuagggaaauagcucagcaguu.....	2	0	mm3
.....uuagggaaauagcucagcaguu.....	3	0	mm3
.....uagggaaauagcucagcaguu.....	1	0	mm3
.....uuaggAaaauagcucagcagua.....	1	1	nb2
.....ugcugagcuaauucccuaacu.....	2	0	Am1
.....ugcugagcuaauAccuaacu.....	1	1	Am1
.....ugcugagcuaauucccuaacug.....	16	0	Am1
.....ugcCgagcuaauucccuaacug.....	1	1	Am1

Provisional ID : chr19_45771
 Score total : 44.1
 Score for star read(s) : 3.9
 Score for read counts : 33.3
 Score for mfe : 2.4
 Score for randfold : 1.6
 Score for cons. seed : 3
 Total read count : 77
 Mature read count : 53
 Loop read count : 0
 Star read count : 24



Star **Mature**

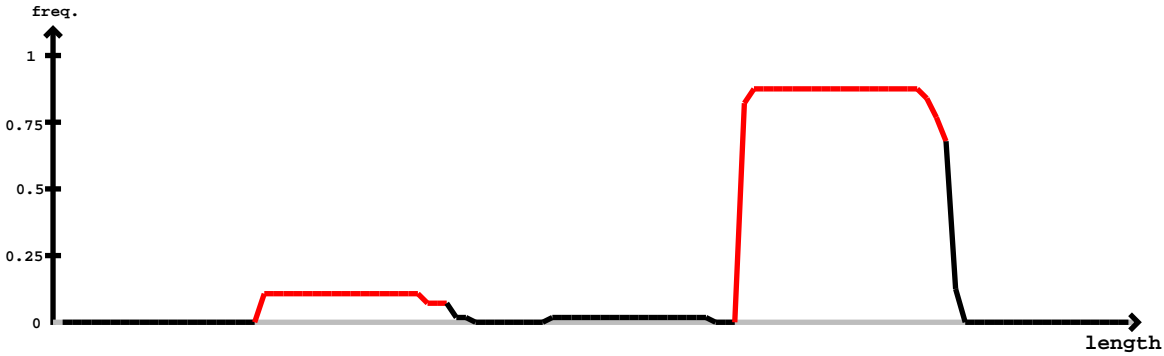
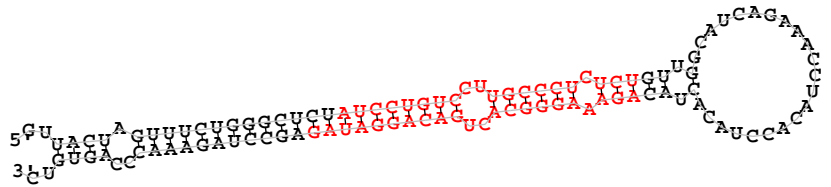
5'	3'	obs	exp	reads	mm	sample
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gauugcccaauauguguaucuccugggcuguguccacaggcaccacagguuuugagcauuugauugaauugccaaaccaggcgugccuguggacacagcacucacgggcucc						
.....((((.....(.....).((((((((((((((((.....(((((((.....))						
.....acaggcaccacagguuuugagca.....		1	0			E15
.....acaggcaccacagguuuugagc.....		1	0			hi2
.....acaggcaccacagguuuugagcau.....		2	0			lun
.....acaggcaccacagguuuugagc.....		1	0			ay2
.....acaggcaccacagguuuugagcau.....		1	0			hr1
.....acaggcaccacagguuuugagcU.....		1	1			hr2
.....acaggcaccacagguuuugagcau.....		1	0			hr2
.....acaggcaccacagguuuugagcauu.....		1	0			hr2
.....ccaaaccaggcgugccuguggU.....		3	1			hr2
.....acaggcaccacagguuuugagc.....		3	0			hi1
.....acaggcaccacagguuuugagca.....		1	0			hi1
.....acaggcaccacagguuuugagca.....		1	0			ut2
.....acaggcaccacagguuuugagca.....		1	0			mus
.....acaggcaccacagguuuugagcauu.....		1	0			mus
.....acaggcaccacagguuuugagcau.....		1	0			oo1
.....acaggcaccacagguuuuga.....		1	0			skn
.....acaggcaccacagguuuugagca.....		1	0			skn
.....acaggcaccacagguuuugagcau.....		1	0			skn
.....ccaaaccaggcgugccug.....		1	0			skn
.....acaggcaccacagguuuugagca.....		1	0			li2
.....ccaaaccaggcgugccugu.....		1	0			li2
.....ccaaaccaggcgugccugugg.....		6	0			li2

Star

Mature

gauugccaauaugugua <u>cuccugggcugugucc</u> acaggcaccacagguuugagcau uuugauugaauug ccaaaccaggcgugccugugg acacagcacucacgggcucc			
.....ccaaaccaggcgugUcugugg.....	1	1	li2
.....ccaaaccaggcgugccuguggU.....	2	1	li2
.....ccaaaccaggcgugccugugga.....	1	0	li2
.....ccaaaccaggcgugccuguggaU.....	4	1	li2
.....ccaaaccaggcgugccuguggaA.....	2	1	li2
.....ccaaaccaggcgugccuguggaAa.....	1	1	li2
.....ccaaaccaggcgugUccugu.....	1	1	li1
.....ccaaaccaggcgugccugugC.....	1	1	li1
.....ccaaaUcaggcgugccugugg.....	1	1	li1
.....ccaaaccaggcgugccuguggA.....	1	1	li1
.....ccaaaccaggcgugccugugg.....	9	0	li1
.....ccaaaccaggcgugccugugga.....	4	0	li1
.....ccaaaccaggcgugccuguggU.....	4	1	li1
.....ccaaaccaggcgugccuguggaG.....	1	1	li1
.....ccaaaccaggcgugccuguggaA.....	3	1	li1
.....ccaaaccaggcgugccuguggaAa.....	3	1	li1
.....caaaaccaggcgugccuguggU.....	1	1	li1
.....caaaaccaggcgugccuguggaU.....	1	1	li1
.....acaggcaccacagguuugagcau.....	1	0	sg1
.....acaggcaccacagguuugagcau.....	1	0	ut1
.....aggcaccacagguuugagc.....	1	0	cx1
.....ccaaaccaggcgugccugugg.....	1	0	cx1

miRBase precursor : mmu_chr1_19965
 Total read count : 56
 mmu_chr1_19965* read count 49
 mmu_chr1_19965 read count 6
 remaining reads : 50



mmu_chr1_19965

mmu_chr1_19965*

5' -	mmu_chr1_19965	mmu_chr1_19965*	-3'	exp	reads	mm	sample
..(((.(((.....))))).)).....	guuacuaguuuucugggcucu	auccugucuuugcccucucug	agccuagaaaccaguguc		1	0	mbm
.....		1	0	mus
.....	auccugucuuugcccucucugu	.....	.....		1	0	3Ta
.....		1	0	nkc
.....		1	0	nkc
.....		8	0	nkc
.....		1	0	nkc
.....		1	0	skn
.....		1	0	nt2
.....	auccugucuuugcccucucu	.....	.....		2	0	nt2
.....		1	0	nt2
.....		2	0	nt2
.....		5	0	nt2
.....		1	0	nt2
.....		2	0	mdc
.....		3	0	bm2
.....		1	1	mE8
.....		1	0	nt1
.....	auccugucuuugcccucucu	.....	.....		1	0	nt1
.....		6	0	nt1
.....		1	0	c4t
.....		1	0	c4t
.....		2	0	c4t
.....		1	0	c4t

mmu_chr1_19965

mmu_chr1_19965*

guuacuaguuuucugggcucuauccuguccuugcccucucguuggcaucagaaaccuacacucacagaaagggcacugacaggauagagccuagaaacccaguguc

.....agaaagggcacugacaggau.....	2	0	je2
.....agaaagggcacugacaggauU.....	1	1	je2
.....agaaagggcacugacaggauaga.....	1	0	th7
.....agaaagggcacugacaggauU.....	1	1	je1
.....agaaagggcacugacaggauagU.....	2	1	je1
.....agaaagggcacugacaggauag.....	1	0	c8t
.....gaaagggcacugacaggauaga.....	1	0	c8t
.....agaaagggcacugacagga.....	1	0	nct

auaaacuucccugcacacaccaaauaccuaccuaggcagcagacucugccacagaaacugagugcauuuguccuguggguuggguuggcuuuugguuggcuuuggcauagcua

.....ccuguggguuggguuggcu.....	2	0	gc2
.....ccuguggguuggguuggcuu.....	1	0	gc2
.....ccuguggguuggguuggcuuu.....	27	0	gc2
.....uguggguuggguuggcuuu.....	2	0	gc2
.....ccuguggguuggguuggcuuu.....	1	0	sp2
.....ccuguggguuggguuggcuuug.....	3	0	sp2
.....cuguggguuggguuggcuuug.....	2	0	sp2
.....ccuguggguuggguuggcuuu.....	1	0	hl1
.....ccuguggguuggguuggcuuA.....	1	1	hl1
.....ccuguggguuggguuggcAu.....	1	1	hlc
.....ccuguggguuggguuggcuuA.....	1	1	hlc
.....ccuguggguuggguuggcuuug.....	5	0	hlc
.....ccuguggguuggguuggcuuugA.....	2	1	hlc
.....ggguuggguuggUuuugguu.....	2	1	Am2
.....ccuguggguuggguuggcuuu.....	11	0	nt2
.....uguggguuggguuggcuuu.....	1	0	nt2
.....ccuguggguuggguuggcuuu.....	3	0	skn
.....ccuguggguuggguuggcu.....	1	0	itr
.....ccuguggguuggguuggcuu.....	1	0	itr
.....ccuguggguuggguuggcuuu.....	3	0	itr
.....uguggguuggguuggcuuu.....	1	0	bm2
.....ccuguggguuggguuggcuuu.....	2	0	hl2
.....ccuguggguuggguuggcuuug.....	2	0	hl2
.....ccuguggguuggguuggcuuugU.....	1	1	hl2
.....ccuguggguuggguuggcu.....	1	0	c8t
.....ccuguggguuggguuggcuuu.....	3	0	c8t
.....ccuguggguuggguuggcuuug.....	2	0	c8t
.....aggcagcagacucugccacagaaac.....	2	0	Tm2
.....ccuguggguuggguuggcuuuU.....	1	1	Tm2
.....ccuguggguuggguuggcuuugU.....	2	1	Tm2
.....ccuguggguuggguuggcuuugU.....	1	1	em1
.....ccuguggguuggguuggcuu.....	1	0	ntr
.....ccuguggguuggguuggcuuu.....	9	0	ntr
.....ccuguggguuggguuggcuuu.....	2	0	nt1
.....uguggguuggguuggcuuu.....	1	0	nt1
.....ccuguggguuggguuggcu.....	1	0	c4t
.....ccuguggguuggguuggcuuu.....	15	0	c4t
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.....Gguggguuggguuggcu.....	1	1	mE1
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.....ccuguggguuggguuggcuuu.....	23	0	bac
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.....uguggguuggguuggcuuu.....	1	0	bac
.....ccuguggguuggguuggcuuug.....	1	0	mbm
.....ccuguggguuggguuggcuuu.....	4	0	sp1
.....ccuguggguuggguuggcuuug.....	7	0	sp1
.....uguggguuggguuggcuuug.....	1	0	sp1
.....ccuguggguuggguuggcuuug.....	2	0	li1
.....ccuguggguuggguuggcuuugU.....	4	1	li1
.....ccuguggguuggguuggAuug.....	1	1	li2
.....ccuguggguuggguuggcuuug.....	1	0	li2
.....uguggguuggguuggcuuugU.....	2	1	li2
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.....ccuguggguuggguuggcuuu.....	1	0	bm1
.....ccuguggguuggguuggcuu.....	1	0	sg1
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Mature

Star

Sequence	Mature Count	Star Count	Label
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.....gaagcccaagcgcagaccuuu.....	4	0	CFU
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.....gaagcccaagcgcagaccuuu.....	3	0	CFU
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Mature

Star

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Mature

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Mature

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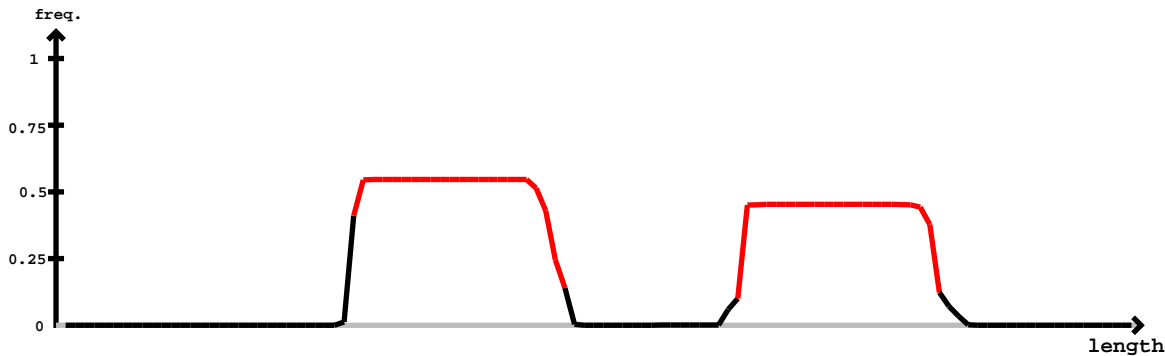
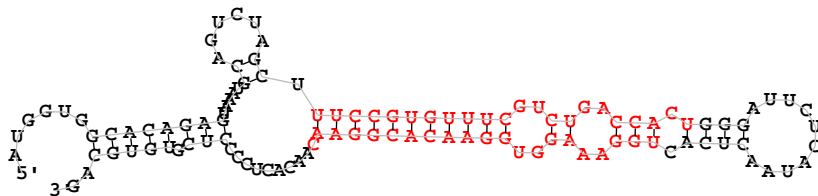
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Mature

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 Total read count : 1116
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 remaining reads : 506



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.....UUUCGUGUUCGUCUGAC.....UUUCGUGUUCGUCUGAC.....UUUCGUGUUCGUCUGAC.....	17	0	nkc
.....UUUCGUGUUCGUCUGACC.....UUUCGUGUUCGUCUGACC.....UUUCGUGUUCGUCUGACC.....	34	0	nkc
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.....GAAAGGUGGAACACGGAAACAA.....GAAAGGUGGAACACGGAAACAA.....GAAAGGUGGAACACGGAAACAA.....	1	0	nkc
.....ACUGGAAAGGUGGAACACGGAA.....ACUGGAAAGGUGGAACACGGAA.....ACUGGAAAGGUGGAACACGGAA.....	1	0	ntr
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.....UGGAAAGGUGGAACACGGAA.....UGGAAAGGUGGAACACGGAA.....UGGAAAGGUGGAACACGGAA.....	1	0	mzb
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mmu_chr1_8658

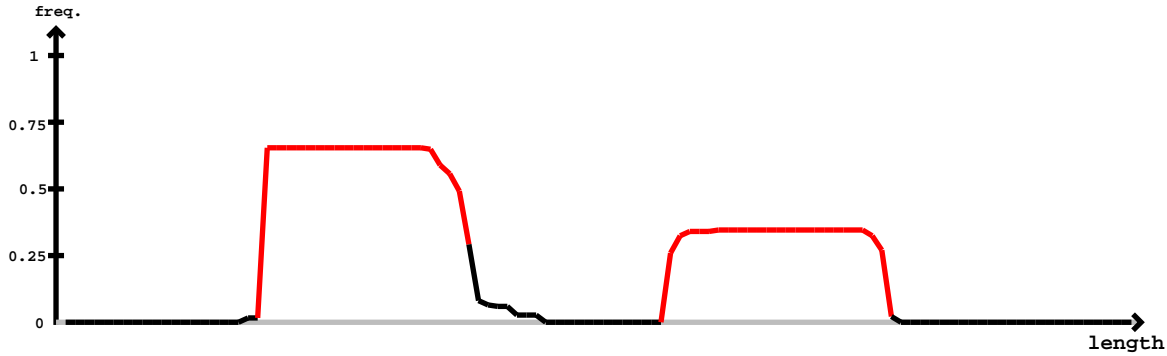
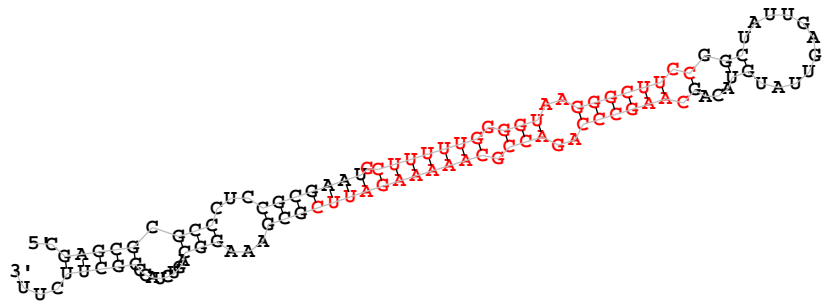
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 remaining reads : 5



mmu_chr2_23582

mmu_chr2_23582*

5' -	reads	mm	sample
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.....gcuuuuugggguaaagggcuucc.....	3	0	nt1
.....caagcccagaccgcaaaaagauu.....	2	0	nt1
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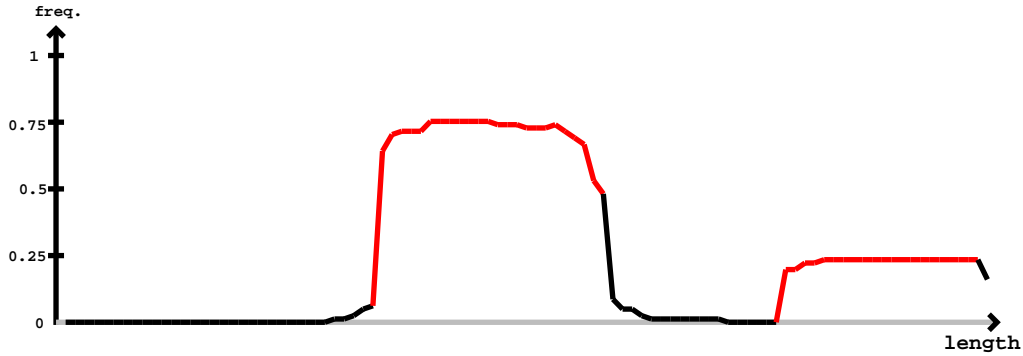
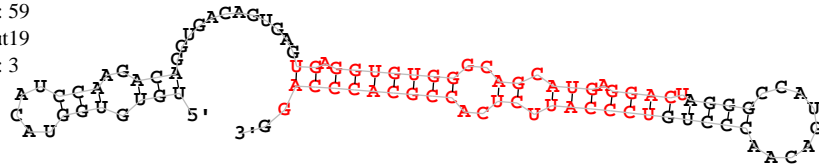
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.....caagcccagaccgcaaaaagau.....	1	0	c8t
.....caagcccagaccgcaaaaagauu.....	4	0	c8t
.....aagcccagaccgcaaaaagau.....	1	0	c8t
.....aagcccagaccgcaaaaagauC.....	1	1	c8t
.....caagcccagaccgcaaaaaga.....	1	0	cx1
.....caagcccagaccgcaaaaagau.....	1	0	br2

gccaccuccgcaucccagcaggagcaugcaccuuccgguuucucaagucuccuguccugcaaugccaggagacuuggcuuccggcuggagcaagcccuugcugcuuggca

.....agacuuggcuuccggcuggagU.....	1	1	Tm1
.....agacuuggcuuccggcuggagA.....	1	1	Tm1
.....agacuuggcuuccggcuggagcU.....	1	1	Tm1
.....agacuuggcuuccggcuggagca.....	1	0	Tm1
.....agacuuggcuuccggcugga.....	1	0	nt4
.....agacuuggcuuccggcuggagc.....	1	0	nb2
.....agacuuggcuuccggcuggag.....	3	0	cx1
.....agacuuggcuuccggcuggagc.....	1	0	cx1
.....gacuuggcuuccggcuggagc.....	1	0	cx1
.....agacuuggcuuccggcuggagA.....	1	1	br2
.....accuuccgguuucuAcaagucucc.....	1	1	Am1

miRBase precursor : mmu_chr2_3012
 Total read count : 81
 mmu_chr2_3012 read count: 59
 mmu_chr2_3012* read count: 19
 remaining reads : 3



mmu_chr2_3012

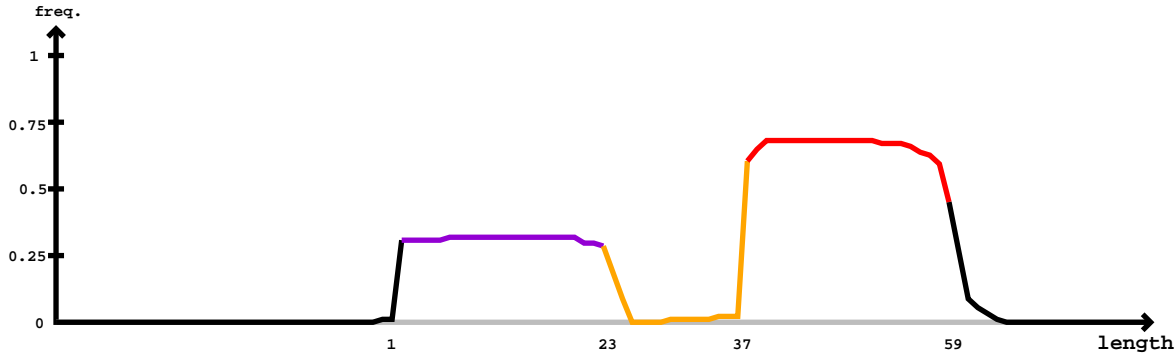
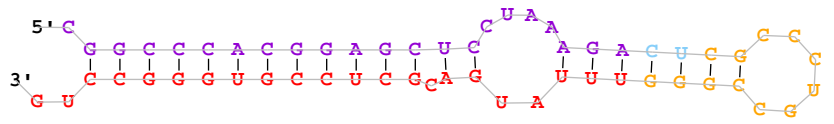
mmu_chr2_3012*

5' -	mmu_chr2_3012	mmu_chr2_3012*	-3'	exp	reads	mm	sample
ugugugguacauccaagacaggugacagugagugaggugugggcagcaugaggacu	agggccaugacaaccug	ucccauucucaccgcaccag					
.....			4	0	nkc
.....			1	0	nkc
.....			1	0	nkc
.....			1	0	nkc
.....			1	1	CFU
.....			1	1	CFU
.....			1	1	SSC
.....			1	0	t11
.....			1	1	t11
.....			2	0	ut2
.....			1	0	je1
.....			2	0	gc2
.....			1	0	gc2
.....			1	0	h1c
.....			1	0	sp2
.....			1	0	sp2
.....			1	1	Am2
.....			1	1	Am2
.....			2	1	mE8
.....			2	0	mE8
.....			1	1	mE8
.....			1	1	mE8
.....			1	0	h12

ugugugguacauccaagacaggugacagugagugaggugugggcagcaugaggacuagggccaugaacaaccugucccauucucaccgcaccagcag

.....ucccauucucaccgcaccagU	1	1	hl2
.....gaggugugggcagcaugagga.....	1	0	c8t
.....ugaggugugggcUgcaugagga.....	1	1	ut1
.....gaggugugggcagcaugagga.....	1	0	br2
.....ugaggugugggcagcauga.....	1	0	hi2
.....ugaggugugggcagcaugaggacu.....	1	0	Tm2
.....ugaggugugggcagcaugagga.....	1	0	ntr
.....ugaggugugggcagcaugag.....	1	0	c4t
.....ucccauucucaccgcaccagU	1	1	hr2
.....ugaggugugggcagcaugagga.....	1	0	hi1
.....ugaggugugggcagcaugaggacu.....	1	0	hi1
.....ucccauucucaccgcaccagU	2	1	hi1
.....ugaggugugggcagcaugaggacu.....	4	0	pob
.....ugaggugugggcagcaugaggacua.....	1	0	pob
.....gaggugugggcagcaugaggacua.....	1	0	pob
.....ugaggugugggcagcaugaggac.....	1	0	peb
.....ugaggugugggcagcaugaggacu.....	2	0	peb
.....ucccauucucaccgcaccag.....	1	0	peb
.....ugaggugugggcagcaugaggacu.....	1	0	Tp1
.....ucccauucucaccgcaccag.....	1	0	bac
.....ugaggugugggcagcaugaggacu.....	1	0	mE1
.....ccaauucucaccgcaccagU	1	1	mE1
.....ugaggugugggcagcaugaggacu.....	3	0	3Ta
.....ucccauucucaccgcaccagA	1	1	3Ta
.....gaggugugggcagcaugaggacu.....	1	0	sp1
.....ucccauucucaccgcaccagU	1	1	li2
.....aggacuagggccaugaca.....	1	0	li1
.....ugaggugugggcagcaugaggacu.....	2	0	imb
.....ucccauucucaccgcaccag.....	1	0	imb
.....ugaggugugggcagcaugagga.....	1	0	sg1
.....ugaggugugggcagcaugaggacua.....	1	0	sg1
.....ucccauucucaccgcaccag.....	2	0	sg1
.....ugaggugugggcagcauga.....	1	0	th2
.....ugaggugugggcagcaugagg.....	1	0	th2
.....gaggugugggcagcaugagg.....	1	0	th2
.....ucccauucucaccgcaccagU	1	1	Tm1
.....ugaggugugggcagcaugaggacu.....	2	0	nt4
.....ugaggugugggcagcaugag.....	1	0	th7
.....ugaggugugggcagcaugaggac.....	1	0	th7
.....ugaggugugggcagcaugaggacu.....	1	0	cx1
.....ucccauucucaccgcaccagU	1	1	cx1

Provisional ID : chr2_3037
 Score total : 46
 Score for star read(s) : 3.9
 Score for read counts : 38.9
 Score for mfe : 2.2
 Score for randfold : 1.6
 Score for cons. seed : -0.6
 Total read count : 88
 Mature read count : 60
 Loop read count : 0
 Star read count : 28



Star

Mature

5'	Star	Mature	3'	obs	mm	sample
guguguggaucugcgacuccuccacuucgcccug	cgccacggagcuccuaaaga	cugcccgccgguuuauagcgcuccguggccug	caaggagggguuccugcc	1	0	nkc
guguguggaucugcgacuccuccacuucgcccug	ggccacggagcuccuaaagacu	cgcuccgcccgguuuauagcgcuccguggccug	caaggagggguuccugcc	1	0	nkc
.....(((((((((.....))))))))).....	ugcggcccacggagcuccuaaagacu	.....	.....	1	0	nkc
.....	cgccacggagcuccuaa	.....	.....	1	0	nkc
.....	cgccacggagcuccuaaaga	.....	.....	1	0	nkc
.....	cgccacggagcuccuaaagac	.....	.....	1	0	nkc
.....	cgccacggagcuccuaaagacu	.....	.....	2	0	nkc
.....	.....	uuuauagcgcuccguggccug	.....	2	0	nkc
.....	.....	uuuauagcgcuccguggccug	.....	1	0	nkc
.....	.....	uuuauagcgcuccguggccug	.....	1	1	3T3
.....	.....	uuuauagcgcuccguggccug	.....	9	0	3T3
.....	.....	uuuauagcgcuccguggccugA	.....	1	1	ay3
.....	.....	uuuauagcgcuccguggccugAaa	.....	1	1	ay3
.....	.....	cugccgguuuauagCgcuccg	.....	1	1	CFU
.....	.....	uuuauagcgcuccguggg	.....	1	0	CFU
.....	.....	uuuauagcgcuccguggccu	.....	1	0	48t
.....	.....	uuuauagcgcuccguggccug	.....	1	0	48t
.....	cgccacggagcuccuaaagacu	.....	.....	1	0	SSC
.....	cgccacggagcuccuaaagac	.....	.....	1	0	gcb
.....	.....	uuuauagcgcuccguggccug	.....	2	0	gc2
.....	.....	uuuauagcgcuccguggccu	.....	1	0	pe1
.....	.....	ggguuuauagcgcuccgugg	.....	1	0	kdn
.....	cgccacggagcuccuaaaga	.....	.....	1	0	h1c
.....	.....	uuuauagcgcuccguggccu	.....	2	0	mus

Star

Mature

guguguggaucugcgacuccaccuuccgcccugcggccacaggagcuccuaaagacucgcccugccggguuuuugacgcuccgugggccugcaaggagggguucccugcc

.....uuuugacgcuccgugggcc.....	1	0	skn
.....uuuugacgcuccgugggccu.....	2	0	skn
.....cggccacaggagcuccuaagU.....	1	1	em2
.....cggccacaggagcuccuaa.....	1	0	mE8
.....cggccacaggagcuccuaaaga.....	1	0	mE8
.....cggccacaggagcuccuaaagac.....	1	0	mE8
.....uuuugacgcuccgugggccug.....	1	0	mE8
.....uuuugacgcuccgugggccugU.....	1	1	mE8
.....cggccacaggagcuccuaaagac.....	1	0	h12
.....uuuugacgcuccgugggccug.....	1	0	ay1
.....uuuugacgcuccgugggccugAaa.....	1	1	ay1
.....cggccacaggagcuccuaaag.....	1	0	Tm2
.....uuuugacgcuccgugggccugA.....	1	1	Tm2
.....cacggagcuccuaaagaA.....	1	1	hi2
.....uuuugacgcuccgugggcc.....	1	0	ntr
.....uuuugacgcuccgugggccu.....	1	0	ntr
.....uuuugacgcuccgugggccugU.....	1	1	mm2
.....cggccacaggagcuccuaaagac.....	1	0	c4t
.....uuuugacgcuccgugggcc.....	1	0	c4t
.....uuuugacgcuccgugggccu.....	1	0	c4t
.....uuuugacgcuccguggg.....	1	0	ay2
.....uuuugacgcuccgugggccu.....	1	0	Tp2
.....uuuugacgcuccgugggccugA.....	1	1	Tp2
.....uuuugacgcuccgugggccugcaagg.....	1	0	Tp2
.....cggccacaggagcuccuaaagac.....	1	0	peb
.....uuuugacgcuccgugggccug.....	1	0	bac
.....cggccacaggagcuccuaaaga.....	6	0	3Ta
.....uuuugacgcuccgugggccugA.....	1	1	3Ta
.....uuuugacgcuccgugggccugc.....	2	0	li2
.....uuuugacgcuccgugggccugcaaU.....	1	1	li2
.....uuuugacgcuccgugggccugU.....	1	1	li1
.....uuuugacgcuccgugggccugcaaA.....	1	1	li1
.....uuuugacgcuccgugggccugcU.....	1	1	li1
.....uuuugacgcuccgugggccugAa.....	1	1	li1
.....cggccacaggagcuccuaaagacu.....	1	0	th2
.....uuuugacgcuccgugggcc.....	1	0	th2
.....uuuugacgcuccgugggccu.....	2	0	th2
.....uuuugacgcuccgugggccug.....	1	0	th2
.....uuuugacgcuccgugggccu.....	1	0	th2
.....cggccacaggagcuccuaaagacu.....	1	0	sg1
.....uuuugacgcuccgugggccug.....	1	0	nt4
.....cggccacaggagcuccuaaagacu.....	1	0	Tm1
.....uuuugacgcuccgugggccugU.....	1	1	Tm1
.....uuuugacgcuccgugggccugc.....	2	0	Tm1
.....uuuugacgcuccgugggccugUa.....	1	1	Tm1
.....cggccacaggagcuccuaaaga.....	1	0	em3
.....cggccacaggagcuccuaaagacu.....	1	0	th7

Star

Mature

guguguggaucugcgacuccuccacuuccgccugggcccacggagcuccaaagacucgcccugccggguuuuugacgcuccgugggccugcaaggagggguuccugcc

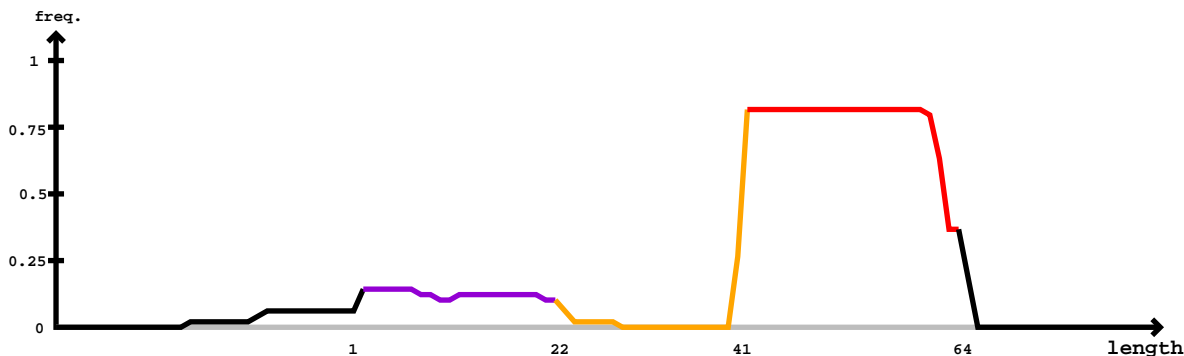
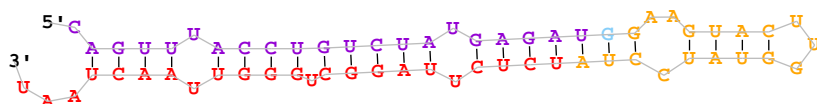
.....uuuugacgcuccgugggccu.....

1

0

not

Provisional ID : chr2_3125
 Score total : 24
 Score for star read(s) : 3.9
 Score for read counts : 17.5
 Score for mfe : 1.6
 Score for randfold : 1.6
 Score for cons. seed : -0.6
 Total read count : 46
 Mature read count : 40
 Loop read count : 0
 Star read count : 6

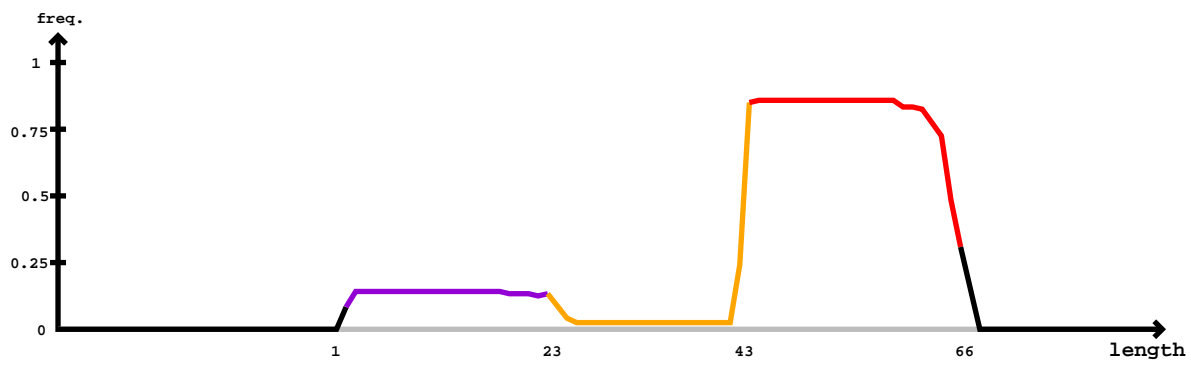
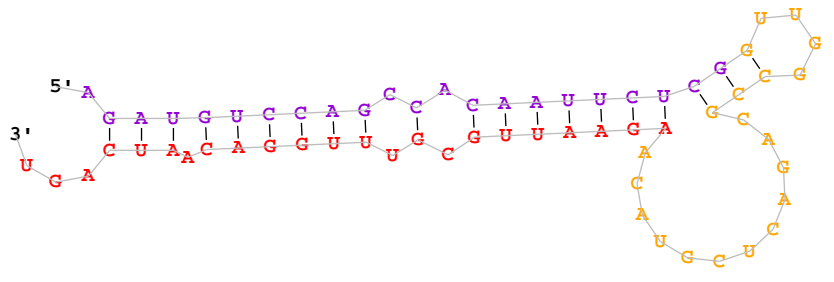


Star

Mature

5' -	-3'	obs	exp	reads	mm	sample
uagguucugcgcuuuugcucucugagccu.caguuuaccugucuaugagau	ggaagua	cuugguauccuaucucuuaggcuggguuaacuaauggcuaagcagugcugacacu				
uagguucugcgcuuuugcucucugagccu.caguuuaccugucuaugagau	ggaagua	cuugguauccuaucucuuaggcuggguuaacuaauggcuaagcagugcugacacu				
.....(((.....)).....(((.....(((.....(((.....(((.....(((.....)))))))))))))).....						
.....ucucuuaggcuggguuaacu.....				1	0	3T3
.....ucucuuaggcuggguuaacuaau.....				1	0	3T3
.....caguuuaccugucuaugag.....				1	0	hi2
.....ucucuuaggcuggguuaacuaau.....				1	0	hi2
.....ucucuuaggcuggguuaacuaau.....				1	0	nkc
.....ucucuuaggcuggguuaac.....				1	0	ntr
.....aucucuuaggcuggguuaacua.....				11	0	3T3
.....aucucuuaggcuggguuaaAua.....				1	1	3T3
.....ucucuuaggcuggguuaacu.....				6	0	3T3
.....ucucuuaggcuggguuaacuaau.....				13	0	3T3
.....cucGagccucaguuuac.....				1	1	li2
.....guGuauagagauggaagu.....				1	1	li2
.....ucucuuaggcuggguuaacu.....				1	0	bm2
.....ucucuuaggcuggguuaacua.....				1	0	bm2
.....ucucuuaggcuggguuaacuaau.....				1	1	Tm1
.....cuuuugcucucugagUcu.....				1	1	hi1
.....caguuuaccugucuaugagau.....				2	0	hi1
.....caguuuaccugucuaugagaug.....				1	0	hi1
.....ucucuuaggcuggguuaacuaau.....				1	0	hi1
.....caguuuaccugucuaugagau.....				1	0	cx1
.....ucucugagccuGaguuu.....				1	1	mE1

Provisional ID : chr2_3181
 Score total : 59.9
 Score for star read(s) : 3.9
 Score for read counts : 53.7
 Score for mfe : 1.5
 Score for randfold : -2.2
 Score for cons. seed : 3
 Total read count : 117
 Mature read count : 100
 Loop read count : 0
 Star read count : 17



Star **Mature**

5' -	3' -	obs	exp	reads	mm	sample
gucucuguagagcccggagcucaaccacagauguccagccacaauucucgguuggccgcagacucguacaagaauugcgguuggacaauucaguggcgaagcccugaguucag	gucucuguagagcccggagcucaaccacagauguccagccacaauucucgguuggccgcagacucguacaagaauugcgguuggacaauucaguggcgaagcccugaguucag			3	0	E15
.....(((((((.....(((((((.....(((((((.....))))))))))))))))))))))))))))))))))))))))))))))))))))))))))))	.....(((((.....(((((((.....(((((((.....))))))))))))))))))))))))))))))))))))))))))))))))))))))))))))			1	0	nkc
.....agaauugcgguuggacaauucagU.....	.....agaauugcgguuggacaauucag.....			2	0	nkc
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			2	0	nkc
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	nkc
.....agaauugcgguuggacaauucagU.....	.....agaauugcgguuggacaauucagU.....			1	1	ay3
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	mdc
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	mdc
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	mdc
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	mdc
.....agauguccagccacaauucuc.....	.....agauguccagccacaauucuc.....			1	0	CFU
.....gauguccagccacaauucuc.....	.....gauguccagccacaauucuc.....			1	0	CFU
.....gauguccagccacaauucucg.....	.....gauguccagccacaauucucg.....			1	0	CFU
.....gCuguccagccacaauucucggu.....	.....gCuguccagccacaauucucggu.....			1	1	CFU
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	48t
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	48t
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	1un
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	ut2
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	ut2
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	je1
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	gc2
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			2	0	gc2
.....agaauugcgguuggacaauucag.....	.....agaauugcgguuggacaauucag.....			1	0	sp2

Star

Mature

gucucuguagagcccggagcuaaccacagauguccagccacaauucucgguuggccgcagacucguacaagaaugcgguuggacaauucaguggcgaagcccucgaguucag			
..... agaaugcgguuggacaauucag.....	3	0	sp2
..... agauguccagccacaauucucg.....	1	0	h1c
..... aagaauugcgguuggacaauca.....	1	0	h1c
..... agaaugcgguuggacaaa.....	2	1	h1c
..... agauguccagccacCauucucg.....	1	1	h11
..... agauguccagccacaauucucg.....	2	0	h11
..... agaaugcgguuggacaauca.....	1	0	h11
..... agaaugcgguuggacaauucag.....	1	0	mus
..... agaaugcgguuggacaauucag.....	1	0	skn
..... agaaugcgguuggacaauucag.....	1	0	nt2
..... agaaugcgguuggacaauucag.....	1	0	nt2
..... gaaugcgguuggacaauucag.....	1	0	nt2
..... agaaugcgguuggacaauucag.....	1	0	itr
..... agauguccagccacaau.....	1	0	em2
..... agaaugcgguuggacaauucag.....	1	0	em2
..... aagaauugcgguuggacaauca.....	1	0	bm2
..... aagaauugcgguuggacaauca.....	1	0	bm2
..... aagaauugUguuggacaauca.....	1	1	h12
..... agaaugcgguuggacaauca.....	1	0	h12
..... aagaauugcgguuggacaauca.....	1	0	je2
..... agaaugcgguuggacaauuc.....	1	0	je2
..... agaaugcgguuggacaauucag.....	1	0	ut1
..... gauguccagccacaauucucggu.....	1	0	Tm2
..... aagaauugcgguuggacaau.....	1	0	hi2
..... agaaugcgguuggacaauucag.....	1	0	nt1
..... agauguccagccacaauucucg.....	1	0	c4t
..... aagaauugcgguuggacaauca.....	1	0	c4t
..... aagaauugcgguuggacaauucag.....	2	0	c4t
..... agaaugcgguuggacaauuc.....	1	0	c4t
..... aagaauugcgguuggacaauca.....	2	0	c4t
..... agaaugcgguuggacaauucag.....	3	0	c4t
..... agaaugcgguuggacaauucag.....	2	0	c4t
..... aagaauugcgguuggacaauucagA.....	1	1	ay2
..... agaaugcgguuggacaauucag.....	1	0	ay2
..... agaaugcgguuggacaauucag.....	2	0	Tp2
..... agaaugcgguuggacaauucag.....	2	0	pob
..... agaaugcgguuggacaauucag.....	3	0	pob
..... gauguccagccacaauucucg.....	1	0	hi1
..... agaaugcgguuggacaauucag.....	1	0	peb
..... aagaauugcgguuggacaauuc.....	1	0	bac
..... agaaugcgguuggacaauucag.....	1	0	bac
..... agaaugcgguuggacaauucag.....	1	0	bac
..... agaaugcgguuggacaauucag.....	1	0	mbm
..... agaaugcgguuggacaauucag.....	1	0	mbm
..... agaaugcgguuggacaauucag.....	3	0	3Ta
..... aagaauugcgguuggacaau.....	1	0	sp1

Star

Mature

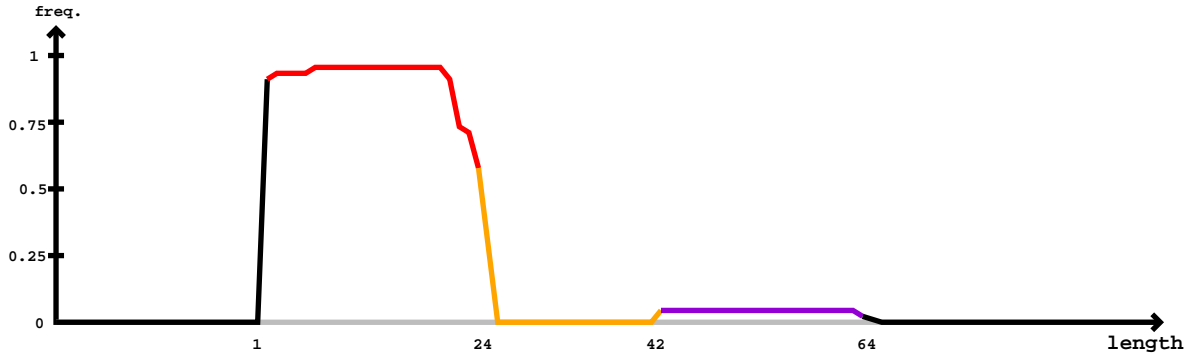
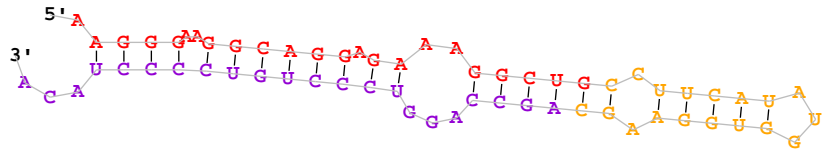
gucucuguagagcccggagcuaaccac	agauguccagccacaauucug	gguggccgagacucguaca	agaauugcguuuggacaauca	aggcgaagcccugaguucag			
.....	.....	.....	.....	.....	1	0	sp1
.....	.....	.....	.....	.....	3	0	sp1
.....	.....	.....	.....	.....	1	0	sp1
.....	.....	.....	.....	.....	3	0	sp1
.....	.....	.....	.....	.....	1	1	li1
.....	.....	.....	.....	.....	1	0	li2
.....	.....	.....	.....	.....	1	0	imb
.....	.....	.....	.....	.....	1	0	imb
.....	.....	.....	.....	.....	1	0	bm1
.....	.....	.....	.....	.....	2	0	bm1
.....	.....	.....	.....	.....	1	0	th2
.....	.....	.....	.....	.....	1	0	th2
.....	.....	.....	.....	.....	1	0	th2
.....	.....	.....	.....	.....	1	0	sg1
.....	.....	.....	.....	.....	1	0	Tm1
.....	.....	.....	.....	.....	1	0	Tm1
.....	.....	.....	.....	.....	1	0	th7
.....	.....	.....	.....	.....	1	0	th7
.....	.....	.....	.....	.....	2	0	th7
.....	.....	.....	.....	.....	1	0	nct
.....	.....	.....	.....	.....	1	0	cx1
.....	.....	.....	.....	.....	1	0	Am1
.....	.....	.....	.....	.....	3	0	Am1

Star

Mature

cgagcgcgccuccgcgaau	gcuuuuugggguaagggcuuccggcuauugaguuauguacagcaagcccagaccgcaaaaagauucgcaaaggcagucuaaccgcuucuu			
.....	.....agcccagaccgcaaaaagau.....	1	0	nt2
.....	.....agcccagaccgcaaaaagau.....	2	0	nt2
.....	.....augcuuuugggguaagggcuu.....	1	0	skn
.....	.....gcuuuuugggguaagggcuucc.....	1	0	skn
.....	.....aagcccagaccgcaaaaagau.....	1	0	skn
.....	.....augcuuuugggguaagggcuuU.....	1	1	li1
.....	.....gcuuuuugggguaagggc.....	3	0	li1
.....	.....gcuuuuugggguaagggcu.....	3	0	li1
.....	.....gcuuuuugggguaagggcuu.....	1	0	li1
.....	.....gcuuuuugggguaagggcuuU.....	1	1	li1
.....	.....gcuuuuugggguaagggcuucc.....	2	0	li1
.....	.....gcuuuuuggggCaagggcuucc.....	1	1	li1
.....	.....gcuuuuugggguaagggcuucc.....	13	0	li1
.....	.....gcuuuuugggguaagggcuuccU.....	1	1	li1
.....	.....gcuuuuugggguaagggcuuccggcu.....	1	0	li1
.....	.....caagcccagaccgcaaaaaga.....	1	1	li1
.....	.....caagcccagaccgcaaaaagauU.....	1	1	li1
.....	.....ccagaccgcaaaaagau.....	1	0	li1
.....	.....gcuuuuugggguaagggc.....	1	0	li2
.....	.....gcuuuuugggguaagggcuu.....	2	0	li2
.....	.....gcuuuuugggguaagggcuucc.....	3	0	li2
.....	.....gcuuuuUggguaagggcuucc.....	1	1	li2
.....	.....gcuuuuugggguaagggcuucc.....	7	0	li2
.....	.....gcuuuuugggguaagggcuuccU.....	1	1	li2
.....	.....Ucuuuuugggguaagggcuucc.....	1	1	li2
.....	.....gcuuuuugggguaagggcuuUc.....	1	1	li2
.....	.....gcuuuuugggguaagggcuuccA.....	2	1	li2
.....	.....gcuuuuugggguaagggcuuccg.....	1	0	li2
.....	.....gcuuuuugggguaagggcuuccgA.....	1	1	li2
.....	.....caagcccagaccgcaaaaagau.....	1	0	li2
.....	.....caagcccagaccgcaaaaagauU.....	2	1	li2
.....	.....gcuuuuugggguaagggcuuccggcuauC.....	5	1	pgr
.....	.....gcuuuuugggguaagggcuu.....	1	0	sg1
.....	.....gcuuuuugggguaagggcuucc.....	1	0	sg1
.....	.....caagcccagaccgcaaaaagau.....	3	0	sg1
.....	.....caagcccagaccgcaaaaagau.....	1	0	bm2
.....	.....caagcccagaccgcaaaaagau.....	1	0	Tm1
.....	.....gcuuuuugggguaagggc.....	1	0	c8t
.....	.....gcuuuuugggguaagggcuucc.....	6	0	c8t
.....	.....gcuuuuugggguaagggcuuccggcu.....	2	0	c8t
.....	.....caagcccagaccgcaaaaagau.....	1	0	c8t
.....	.....caagcccagaccgcaaaaagau.....	4	0	c8t
.....	.....aagcccagaccgcaaaaagau.....	1	0	c8t
.....	.....caagcccagaccgcaaaaaga.....	1	0	cx1
.....	.....caagcccagaccgcaaaaagau.....	1	0	br2

Provisional ID : chr2_4218
 Score total : 23.7
 Score for star read(s) : 3.9
 Score for read counts : 17
 Score for mfe : 1.8
 Score for randfold : 1.6
 Score for cons. seed : -0.6
 Total read count : 45
 Mature read count : 43
 Loop read count : 0
 Star read count : 2



Mature

Star

5'	obs	mm	sample
guagcuccauuggggaaaaa aagggaaagcaggagaaaaggcug ccuuc <u>cau</u> uggggaagcagccagguccuguccc <u>cuac</u> gccagugaugggcaagugcgaaugaucagc	reads	mm	sample
guagcuccauuggggaaaaa aagggaaagcaggagaaaaggcug ccuuc <u>cau</u> uggggaagcagccagguccuguccc <u>cuac</u> gccagugaugggcaagugcgaaugaucagc	1	1	E15
..... aagggaaagcaggagaaaaggcUG	2	0	hi2
..... aagggaaagcaggagaaaagg	1	0	hi2
..... aagggaaagcaggagaaaag	1	0	Tm2
..... aagggaaagcaggagaaaagg	1	1	Tm2
..... aagggaaagcaggagaaaaggcug	1	0	Tm2
..... agccagguccuguccc<u>cuac</u>	1	0	Tm2
..... aagggaaagcaggagaaaaggcug	1	0	nkc
..... agggaaagcaggagaaaaggcug	1	0	ntr
..... aagggaaagcaggagaaaaggcug	1	0	mdc
..... aagggaaagcaggagaaaaggc	1	0	CFU
..... aagggaaagcaggagaaaaggcug	1	0	mzb
..... aagggaaagcaggagaaaaggcug	1	0	c4t
..... aagggaaagcaggagaaaagg	1	0	hi1
..... aagggaaagcaggagaaaagg	1	0	pob
..... aagggaaagcaggagaaaaggcug	5	0	pob
..... aagggaaagcaggagaaaaggcug	1	0	kdn
..... aagggaaagcaggagaaaaggcug	1	0	kdn
..... aagggaaagcaggagaaaaggcug	3	0	sp2
..... aagggaaagcaggagaaaaggcug	1	0	sp2
..... aagccaggagaaCggcu	1	1	ool

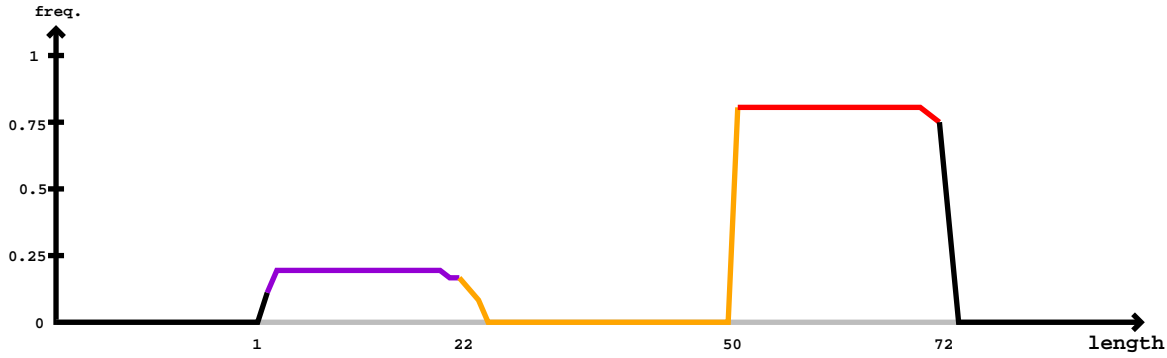
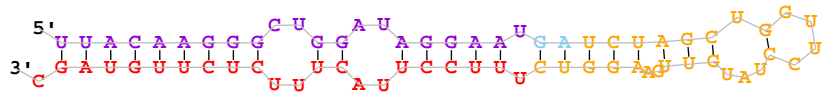
Mature

Star

guagcuccauugggaaaaauaaggggaaggcaggagaaaaggcugccuucuaugggugaagcagccaggucccugucccuacagccagugauggggcaagugcgaaugaucagc

.....aaggggaaggcaggagaaaaggcug.....	1	0	sp1
.....aaggggaaggcaggagaaaaggcug.....	1	0	skn
.....aaggggaaggcaggagagaCag.....	1	1	bm1
.....aaggggaaggcaggagaaaaggcug.....	1	0	bm1
.....aaggggaaggcaggagaaaaggcug.....	1	0	th2
.....aaggggaaggcaggagaaaaggcug.....	1	0	th2
.....aaggggaaggcaggagaaaaggcug.....	1	0	mE8
.....agccaggucccugucccuaca.....	1	0	mE8
.....aaggggaaggcaggagaaaagg.....	1	0	nt4
.....aaggggaaggcaggagaaaagg.....	1	0	Tm1
.....aaggggaaggcaggagaaaaggcug.....	1	0	Tm1
.....aaggggaaggcaggagaaaaggcugA.....	1	1	Tm1
.....aaggggaaggcaggagaaaagg.....	1	0	th7
.....aaggggaaggcaggagaaaaggcug.....	3	0	th7
.....aaggggaaggcaggagaaaaggcug.....	1	0	cx1

Provisional ID : chr2_6270
 Score total : 13.2
 Score for star read(s) : 3.9
 Score for read counts : 12.4
 Score for mfe : -0.2
 Score for randfold : -2.2
 Score for cons. seed : -0.6
 Total read count : 36
 Mature read count : 29
 Loop read count : 0
 Star read count : 7

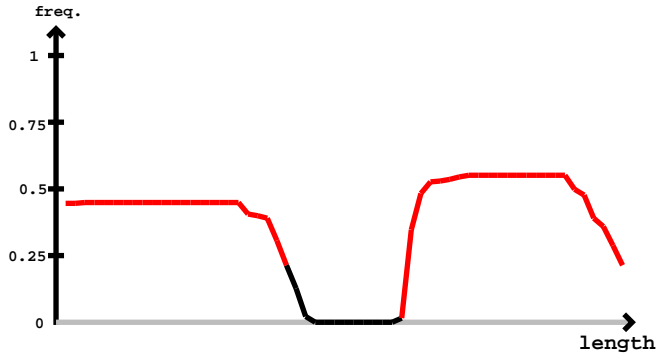
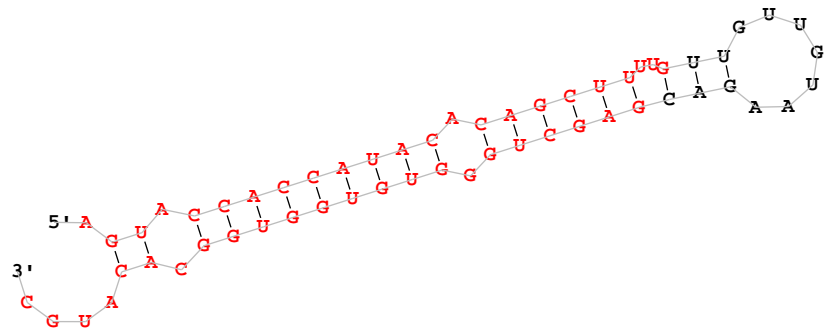


Star

Mature

5' -		-3'	obs	exp	reads	mm	sample
accguucucagcaugcucccuuacaagggcuggauaggaau	gaucuagcugguuccuauuguugaaggucuuuccuuacuucucuuguagc	cugaucccugacauuggcgc					
accguucucagcaugcucccuuacaagggcuggauaggaau	ucuagcugguuccuauuguugaaggucuuuccuuacuucucuuguagc	cugaucccugacauuggcgc					
.....uuacaagggcuggauaggaau.....			3	0	3	0	3Ta
.....uacaagggcuggauaggaau.....			2	0	2	0	3Ta
.....uuuccuuacuucucuuguagU.....			8	1	8	1	3Ta
.....uuuccuuacuucucuuguagU.....			19	1	19	1	3T3
.....uuuccuuacuucucuuguag.....			1	0	1	0	nt2
.....uuacaagggcuggauagga.....			1	0	1	0	pcl
.....uacaagggcuggauaggaau.....			1	0	1	0	pcl
.....uuuccuuacuucucuuguag.....			1	0	1	0	pcl

miRBase precursor : mmu_chr3_6937
 Total read count : 323
 mmu_chr3_6937* read count: 178
 mmu_chr3_6937 read count: 145
 remaining reads : 178



mmu_chr3_6937

mmu_chr3_6937*

5' -	mmu_chr3_6937*	-3'	exp	reads	mm	sample
..(((.....))).....	aguaccaccauacacagcuuuuguuguugaagacgagcuggguguggggcacaugc			1	0	nkc
.....	aguaccaccauacacagcuuuu.....			1	0	nkc
.....	aguaccaccauacacagcuuuugu.....			1	0	nkc
.....	aguaccaccauacacagcuuuugu.....			1	0	nkc
.....	.....gagcuggguguggggcacaA..			1	1	nkc
.....	.....gagcuggguguggggcacaug.			8	0	3T3
.....	.....gagcuggguguggggcacaCg.			1	1	3T3
.....	.....gagcuggguguggggcacaugU			2	1	3T3
.....	aguaccaccauacacagcuuuugu.....			1	0	mdc
.....	aguaccaccauacacagc.....			4	0	CFU
.....	aguaccaccauacacagcuuuugu.....			2	0	CFU
.....	.....gagcugggCgugggca.....			1	1	CFU
.....	.....gagcuggguguggCggca.....			1	1	CFU
.....	.....gagcugggugugUuggca.....			1	1	CFU
.....	.....gagcugggugugggcaA.....			1	1	CFU
.....	.....gCgCuggguguggggcac.....			1	1	CFU
.....	.....gagcugggugugUuggcaca.....			1	1	CFU
.....	.....gagcugggugugggcaCaca.....			1	0	CFU
.....	.....gagcugggugugguUgcacau.....			1	1	CFU
.....	.....gagcuggguguggggcaca.....			1	0	CFU
.....	.....gagcuggguguggggcacCu.....			3	1	CFU
.....	.....gagcuggguguggggcCcau.....			2	1	CFU
.....	.....gagcuggguguggCggcaca.....			1	1	CFU
.....	.....gagcuggguguggggcacaug.			2	0	CFU
.....	.....gagcuggguguggggcacaugA			1	1	CFU
.....	.....gagcuggguguggggcacaugc			1	0	CFU
.....	.....gagcuggguguggggcacCugc			1	1	CFU
.....	.....agcuggguguggggcaU.....			1	1	CFU
.....	.....agcuggguguggggcaA.....			1	1	CFU
.....	.....agcuggguguggggcacaC.....			1	1	CFU
.....	.....agcuggguguggggcacaCgc			2	1	CFU

aguaccaccauacacagcuuuuguuguugaagacgagcuggguguggggcacaugc

.....agcuggguguggggcacaugc	2	0	CFU
.....gcuggguguggggcacaugc	1	0	CFU
.....gcuggguguggggcacaCgc	1	1	CFU
.....cCggguguggggcacaugc	1	1	CFU
aguaccaccauacacagcuuuu.....	1	0	48t
.....gagcuggguguggggcacaugU	1	1	48t
.....agcuggCuguggggca....	2	1	mED
.....gcCggguguggggcaca..	1	1	mED
.....gcuggguguggggcGcau..	1	1	mED
.....gcuggguguggggcacaCgc	1	1	mED
.....gguguggggcacaAgc	1	1	mED
aguaccaccauacacagcuuu.....	1	0	SSC
aguaccaUcauacacagcuuuugu.....	1	1	SSC
.....gagcuggguguggggcacaugc	1	0	SSC
aguaccaccauacacagcu.....	1	0	mzb
aguaccaccauacacagcuuuu.....	3	0	mzb
aguaccaccauacacagcuuuug.....	3	0	mzb
aguaccaccauacacagcuuuu.....	1	0	gcb
aguaccaccauacacagcuuuug.....	1	0	gcb
.....gagcuggguguggggcacaU.	1	1	gcb
.....gagcuggguguggggcacaugU	1	1	gcb
.....gcuggguguggggcacaugA	1	1	gcb
Cguaccaccauacacagc.....	1	1	t11
aguaccaccauacacagc.....	1	0	t11
agCaccaccauacacagcuuuugu.....	1	1	t11
aAuaccaccauacacagcuuuugu.....	1	1	t11
aguaccaccauacacagcuuuugu.....	2	0	t11
.....gagcuggguguggggcC.....	1	1	t11
.....gagcuggguguggggcaca..	1	0	t11
.....gagcuggguguggggcacaU.	1	1	t11
.....gagcuggguguggggcacCugc	1	1	t11
.....gagcuggguguggggcacaugA	1	1	t11
.....gagcuggguguggggcacaugU	1	1	t11
.....gagcuggguguggggcacaugc	1	0	t11
aguaccaUcauacacagcuuu.....	1	1	ut2
aguaccaccauacacagcuuuug.....	1	0	ut2
.....gagcuggguguggggcaca..	1	0	ut2
.....gagcuggguguggggcaca..	1	0	je1
.....gagcuggguguggggcaA....	1	1	pc1
.....gagcuggguguggggcacaugA	1	1	pc1
aguaccaccauacacagcuuuu.....	1	0	kdn
aguaccaccauacacagcuuuu.....	2	0	gc2
aguaccaccauacacagcuuuug.....	3	0	gc2
aguaccaccauacacagcuuuugu.....	1	0	gc2
.....gagcuggguguggggcacaG..	1	1	gc2
.....gagcuggguguggggcacaugA	1	1	gc2
.....agcuggAuguggggcac....	1	1	hl1
aguaccaccauacacagcuuuug.....	1	0	sp2
aguaccaccauacacagcuuuugu.....	1	0	sp2
.....gagcuggguguggggcacaugA	1	1	sp2
aguaccaccauacacagcuuu.....	1	0	mus
aguaccaccauacacagcuuuu.....	1	0	mus
.....gagcuggguguggggAc.....	1	1	Am2
.....Aagcuggguguggggc.....	1	1	Am2

aguaccaccauacacagcuuuuguuguugaagacgagcuggguguggggcacaugc

.....gagcCggguguggggc.....	1	1	Am2
.....gagcuggguguggggcCugc	1	1	Am2
.....gagcuggguguggggcacaugc	3	0	Am2
.....agcugggCguggggcac....	3	1	Am2
.....agcuggguguggggcacaugc	1	0	Am2
.....gagcuggguguggggc.....	1	0	mm1
aguaccaccauacacagcuuuu.....	2	0	skn
aguaccaccauacacagcuuuug.....	1	0	skn
aguaccaccauacacagc.....	1	0	em2
.....gagcuggguguggggcacaugA	1	1	em2
.....agcuggguguggggcac....	2	0	mE8
.....agcCggguguggggcac....	1	1	mE8
.....agcuggguguggggcCca...	1	1	mE8
.....agcuggguguggggcacaCgc	2	1	mE8
.....gcuggguguggggcac....	1	0	mE8
.....gcugggCguggggcaca...	1	1	mE8
.....uggguguggggcacaC...	1	1	mE8
.....uggguguggggcGcau...	1	1	mE8
.....gguguggggcGcaugc	1	1	mE8
aguaccaccauacacagcuu.....	1	0	bm2
aguaccaccauacacagcuuuug.....	1	0	bm2
.....gagcuggguguggggcacaugA	1	1	bm2
aguaccaccauacacagcuuuu.....	1	0	h12
aguaccaccauacacagcuuuugu.....	2	0	h12
.....agcuggguguggggcaU....	1	1	h12
aguaccaccauacacagcuuuug.....	1	0	ut1
aguaccaccauacacagcuuuugu.....	1	0	ut1
aguaccaccauacacagcuuu.....	1	0	c8t
aguaccaccauacacagcuuuu.....	1	0	c8t
.....gcuggguguggggcacaU..	1	0	ay1
aguaccaccauacacagcuuuugu.....	2	0	li3
aguaccaccauacacagcuuuugu.....	1	0	Tm2
.....gagcuggguguggggcacaug.	1	0	Tm2
.....agcCggguguggggcacaugc	1	1	Tm2
.....agcuggguguggggcacaCgc	1	1	Tm2
aguaccaccauacacagc.....	1	0	hi2
aguaccaccauacacagcuuuugu.....	1	0	hi2
aguaccaccauacacagcuu.....	1	0	ntr
aguaccaccauacacagcuuu.....	2	0	ntr
aguaccaccauacacagcuuuu.....	2	0	ntr
aguaccaccauacacagcuuuug.....	6	0	ntr
.....gagcuggguguggggcacaugA	2	1	ntr
aguaccaccauacacagc.....	1	0	mm2
aguaccaccauacacagcuuuug.....	1	0	br1
aguaccaccauacacagcuuuu.....	1	0	hr3
aguaccaccauacacagcuuuuU.....	3	1	hr3
aguaccaccauacacagcuuuugu.....	3	0	hr3
aguaccaccauacacagcuuuuUu.....	1	1	hr3
aguaccaccauacacagcuuuugu.....	4	0	hr3
agGaccaccauacacagcuuuugu.....	1	1	hr3
.guaccaccauacacagcuuuugu.....	1	0	hr3
.....gagcuggguguggggcacaU.	1	1	hr3
.....gagcuggguguggggcacaU..	1	0	ay2

aguaccaccauacacagcuuuuguuguuaagacgagcuggguguggggcacaugc

aguaccaccauacacagcuuu.....	1	0	c4t
aguaccaccauacacagcuuu.....	3	0	c4t
.....gagcuggguguggggcaA...	1	1	c4t
.....gagcuggguguggggcacaugA	1	1	c4t
.....gagcCggguguggggc.....	1	1	TP2
.....agcugggCguggggcacaug.	1	1	TP2
.....agcuggguguggggcGcaugc	1	1	TP2
.....gcuggguguggggcGc....	1	1	TP2
aguaccaccauacacagcu.....	1	0	hr2
aguaccaccauacacagcuuu.....	1	0	pob
aguaccaccauacacagcuuu.....	1	0	pob
.....gagcuggguguggggcacaugU	1	1	pob
aguaccaccauacacagcuuu.....	1	0	peb
aguaccaccauacacagcuuu.....	2	0	peb
aguaccaccauacacagcuuuugu.....	2	0	peb
aguaccaccauacacagcuuuugu.....	1	0	TP1
.....gagcuggguguggggcacaug.	1	0	TP1
.....gagcuggguguggggcacaugc	1	0	TP1
.....agcugggAuggggcacaugc	1	1	TP1
.....agcuggguguggggcGcaugc	1	1	TP1
aguaccaccauacacagc.....	5	0	mE1
aguaccaccauacacagcuuuugu.....	2	0	mE1
aguaccaccauacaUagcuuuugu.....	1	1	mE1
.....gagcuggguguggggcacaugA	2	1	mE1
.....agcuggguguggggcac.....	1	0	mE1
.....agcuggguguggggcacacA..	1	1	mE1
.....agcugggCguggggcacaug.	1	1	mE1
.....agcuggguguggggcacaCgc	1	1	mE1
.....agcuggguguggggcacaugc	1	0	mE1
.....gggAuggggcacaugc	1	1	mE1
aguaccaccauacacagcuuu.....	1	0	bac
.....gagcugggugAgguggcaca..	1	1	bac
.....gagcuggguguggggcacaugU	1	1	bac
aguaccaccauacacagcuuuugu.....	1	0	mbm
.....gCguggguguggggcaca..	1	1	mbm
.....gagcuggguguggggcacaugU	1	1	mbm
.....gagcuggguguggggcaca..	1	0	ool
aguaccaccauacacagcuuu.....	5	0	3Ta
.....gagcuggguguggggcaca..	1	0	3Ta
aguaccaccauacacagcuuu.....	3	0	sp1
aguaccaccauacacagcuuu.....	2	0	sp1
.....gagcuggguguggggcaAa..	1	1	sp1
.....gagcuggguguggggcacaU..	1	1	sp1
aguaccaccauacacagcu.....	1	0	li1
aUuaccaccauacacagcuuu.....	1	1	li1
aguaccaccauacacagcuuu.....	1	0	li1
.....gagcuggguguggggcaca..	1	0	li1
.....gagcuggguguggggcacaugc	3	0	li1
.....gagcuggguguggggcacaugU	1	1	li1
.....gagcuggguUuggggcacaugc	1	1	li1
.....agcuggguguggggcaca..	1	0	li1
.....gcuggguguggggcaU....	1	1	li1
.....gcuggguguggggcCc....	1	1	li1
.....gggAuggggcacaugc	1	1	li1
aguaccaccauacacagcuuu.....	1	0	li2

aguaccaccauacacagcuuuuuguuguuaagacgagcuggguguggggcacaugc

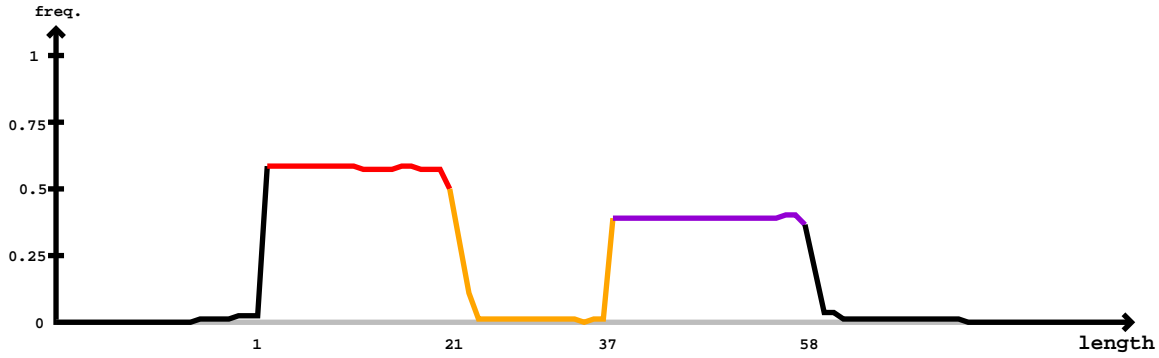
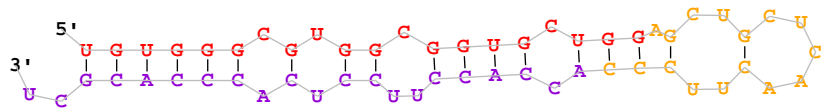
.....gagcugggCgugguggc.....	1	1	li2
.....gagcuggguguggggcac....	1	0	li2
.....gagcuggguguggggcacaug.	1	0	li2
.....gagcuggguguggggcacaugA	1	1	li2
.....gagcuggguguggggcacaugU	1	1	li2
.....gagcuggguguggggcacaugc	1	0	li2
.....agcuggguguggggca.....	1	0	li2
.....agcuggguguAgugggcac....	2	1	li2
aguaccaccauacacagcuuu.....	1	0	imb
aguaccaccauacacagcuuuug.....	1	0	imb
aguaccaccauacacagcuuuugu.....	2	0	imb
aguaccaccauacacagcuuu.....	1	0	bm1
.....gagcuggguguggggcaG....	1	1	th2
.....gagcuggguguggggcacaugA	1	1	th2
aguaccaccauacacagcuuu.....	1	0	sg1
aguaccaccauacacagcuuuu.....	1	0	sg1
.....agcuggguguggggcGcaug.	3	1	Tm1
.....gcugggAguggggcacaug.	1	1	Tm1
.....ggguguggggcGcaugc	1	1	Tm1
aguaccaccauacacagcuuuug.....	1	0	nt4
.....gagcuggguguggggcaA....	1	1	nt4
.....gcugggCguggggcaca....	1	1	mm3
aguaccaccauacacagcuuu.....	2	0	th7
aguaccaccauacacagcuuuu.....	3	0	th7
.....gagcuggguguggggcacaugU	1	1	th7
aguaccaccauacacagcuuuugu.....	2	0	cx1
aguaccaccauacacagcuuu.....	2	0	nct
aguaccaccauacacagcuuuug.....	2	0	nct
.....gagcuggguguggggcacaugA	1	1	nct
aguaccaccaCacacagcuuuug.....	1	1	Am1
aguaccaccauacCagcuuuugu.....	1	1	Am1
.....Agagcuggguguggggc.....	4	1	Am1
.....Ggagcuggguguggggc.....	1	1	Am1
.....gagcuggguguggggc.....	1	0	Am1
.....gagcuggguAuggggc.....	3	1	Am1
.....gagcugggCguggggc.....	1	1	Am1
.....gagcuggguguggugAc.....	1	1	Am1
.....gagcuggguguggggcacaugc	3	0	Am1
.....agcuggguguggggcac....	1	0	Am1
.....agcugggCguggggcac....	3	1	Am1
.....agcCggguguggggcacaugc	1	1	Am1

Mature

Star

cagguucuaagggcgagaagaaauaguuggauaguagguaaaauaacagucuuuuuccuugcuauucccaacuugguuuccuaaagaagaagaaagugaaauaccuggcauaa			
.....aaauaguuggauaguagguaa.....	2	0	itr
.....aaauaguuggauaguagguaa.....	1	0	bm2
.....aaauaguuggauaguagguaaaa.....	1	0	bm2
.....uuccuugcuauucccaacuuggu.....	1	0	bm2
.....aaauaguuggauaguagguaa.....	1	0	mE8
.....Uauaguuggauaguagguaa.....	1	1	je2
.....aaauaguuggauaguagguaa.....	7	0	je2
.....aaauaguuggauaguagguaaaa.....	1	0	je2
.....aaauaguuggauaguagguaaaa.....	1	0	c8t
.....aaauaguuggauaguaggua.....	1	0	ut1
.....aaauaguuggauaguagguaa.....	1	0	ut1
.....aaauaguuggauaguagguaaaa.....	1	0	em1
.....aaauaguuggauaguagguaaaa.....	1	0	ntr
.....aaauaguuggauaguagguaaaa.....	1	0	pan
.....aaauaguuggauaguagguaa.....	1	0	nt1
.....aaauaguuggauaguagguaaaa.....	4	0	nt1
.....uaauaguuggauaguagguaa.....	1	0	pob
.....aaauaguuggauaguaggua.....	1	0	pob
.....aaauaguuggauaguagguaa.....	2	0	pob
.....aaauaguuggauaguagguaaaa.....	1	0	pob
.....aaauaguuggauaguagguaaaa.....	1	0	pob
.....uagggcgagaagaaauaguuggauaguagguaaUa.....	1	1	tp2
.....aaauaguuggauaguagguaa.....	1	0	peb
.....aaauaguuggauaguagguaaaa.....	2	0	peb
.....auaguuggauaguagguaa.....	1	0	te2
.....aagaagaagaagugaaauacc.....	1	0	te2
.....uagggcgagaagaaauaguuggauagu.....	1	0	tp1
.....aaauaguuggauaguagguaa.....	1	0	sp1
.....aaauaguuggauaguagguaaaa.....	1	0	sp1
.....aaauaguuggauaguagguaa.....	3	0	li1
.....uuccuugcuauucccaacuuggu.....	1	0	li1
.....uuuccuugcuauucccaacuuggu.....	1	0	li2
.....aaauaguuggauaguaggua.....	1	0	sg1
.....aaauaguuggauaguagguaa.....	2	0	sg1
.....aaauaguuggauaguagguaaaa.....	1	0	sg1
.....uuccuugcuauucccaacuugg.....	1	0	sg1
.....uaaagaagaagaagugaaauaccuggcau.....	1	0	Tm1
.....aaauaguuggauaguagguaa.....	2	0	th7

Provisional ID : chr4_11627
 Score total : 40.5
 Score for star read(s) : 3.9
 Score for read counts : 33.8
 Score for mfe : 1.8
 Score for randfold : 1.6
 Score for cons. seed : -0.6
 Total read count : 78
 Mature read count : 46
 Loop read count : 0
 Star read count : 32



Mature

Star

5' -		-3'	obs	mm	sample
auguucacaagacgcagcagugugggcgugggcgugcuggagcugcucuaacuuccaccaccuuccucacccacgcugucuguguccucuaaccagccucugacacgcgcc			exp		
.....(((((((((((((((((((((.....))			reads		
.....ugugggcgugggcgugcugg.....			1	0	nkc
.....ugugggcgugggcgugcugg.....			3	0	nkc
.....accaccuuccucacccacgcu.....			1	0	ntr
.....ugugggcgugggcgugcugg.....			2	0	3T3
.....ugugggcgugggcgugcugga.....			1	0	3T3
.....ugugggcgugggcgugcuggaA.....			1	1	3T3
.....ugugggcgugggcgugcuggaC.....			2	1	3T3
.....ugugggcgugggcgugcuggaU.....			4	1	3T3
.....accaccuuccucacccacgcu.....			1	0	3T3
.....accaccuuccucacccacgcuU.....			2	1	CFU
.....accaccuuccucacccacgcu.....			1	0	mm2
.....accaccuuccucacccacgcu.....			3	0	mzb
.....cagugugggcgugggcgug.....			1	0	gcb
.....ugugggcgugggcgugcugg.....			2	0	gcb
.....accaccuuccucacccacgcu.....			1	0	gcb
.....ugugggcgugggcgugcugg.....			1	0	c4t
.....accaccuuccucacccacgcuU.....			2	1	hi1
.....ccaccaccuuccucacccacgcu.....			1	0	tp2
.....ugugggcgugggcgugcugg.....			1	0	pob
.....ugugggcgugggcgugcugg.....			6	0	pob
.....ugugggcgugggcgugcugg.....			1	0	peb
.....ugugggcgugggcgugcugg.....			2	0	peb

Mature

Star

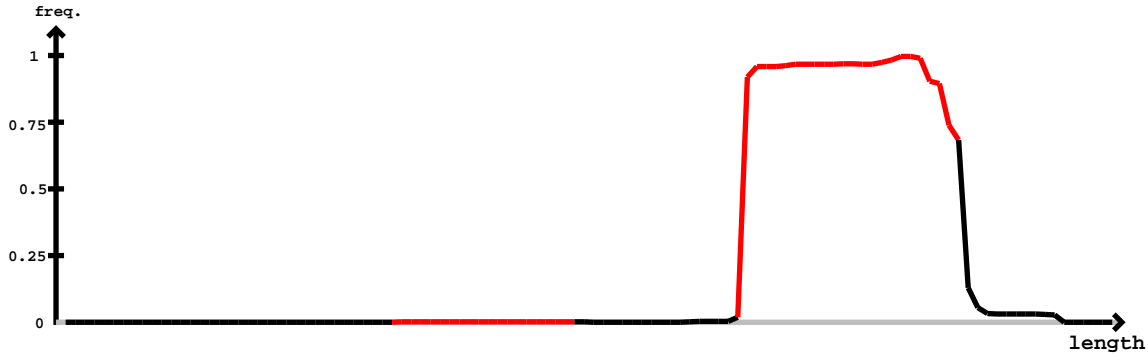
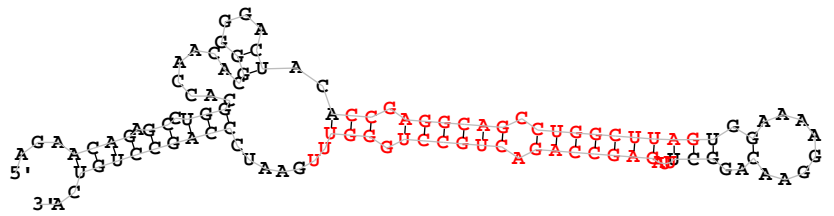
auguucacaagacgcagcagugugggcgugggcgugcuggagcugcucaacuucco	accaccuuccucacccaacgcugucuguguccucuaaccagccucugacacgcgcc			
.....	accaccuuccucacccaacgc.....	1	0	peb
.....	accaccuuccucacccaacgcU.....	2	0	peb
.....	accaccuuccucacccaacgcU.....	1	1	Tp1
.....ugugggcgugggcgugcug.....	.....	1	0	sp2
.....ugugggcgugggcgugcugg.....	.....	1	0	sp2
.....	.....gcugucuCuguccuacc.....	1	1	mbm
.....ugugggcgugggcgugcugU.....	.....	1	1	oo1
.....ugugggcgugggcgugcuggU.....	.....	1	1	oo1
.....	accaccuuccucacccaacgcU.....	2	1	oo1
.....ugugggcgugggcgugcugg.....	.....	1	0	sp1
.....ugugggcgugggcgugcugga.....	.....	1	0	sp1
.....ugugggcgugggcgugcuggaC.....	.....	1	1	3Ta
.....	accaccuuccucacccaacgcUac.....	2	1	pgr
.....	accaccuuccucacccaacgcU.....	1	1	li1
.....gcagcaguUugggcgug.....	.....	1	1	li2
.....ugugggcgugggcgugcug.....	.....	1	0	li2
.....ugcuggagcugcucaacuu.....	.....	1	0	li2
.....	accaccuuccucacccaacgcU.....	1	1	li2
.....	accaccuuccucacccaacgc.....	1	0	nt2
.....ugugggcgugggcgugcug.....	.....	1	0	imb
.....ugugggcgugggcgugcugg.....	.....	9	0	imb
.....	accaccuuccucacccaacgcU.....	4	0	imb
.....	accaccuuccucacccaacgcug.....	1	0	imb
.....	accaccuuccucacccaacgcU.....	1	0	nt4
.....	accaccuuccucacccaacgc.....	1	0	Tm1
.....	accaccuuccucacccaacgcU.....	1	1	cx1
.....	accaccuuccucacccaacgcU.....	1	0	nct
.....ugugggcgugggcgugcugga.....	.....	1	1	Am1

Mature

Star

ucccagggauggcccggaacggacgcgccccguucucuguggaagcggcuugcucggcucugagc <u>uuccuggugggcccugggucccccgggucagcauugugcuaaugggug</u>			
.....acgcggggCucucuguggaagc.....	1	1	cx1
...aggauggUccggacggacgcggggguucu.....	1	1	Aml
.....acgcggggguucucuguggaagc.....	1	0	Aml
.....ugagcuuccuggugggccucgggguc.....	1	0	Aml

miRBase precursor : mmu_chr5_30975
 Total read count : 581
 mmu_chr5_30975 read count 560
 mmu_chr5_30975* read count 1
 remaining reads : 21



mmu_chr5_30975

mmu_chr5_30975*

5' -	-3'	exp	reads	mm	sample
agaacagagccuggcaccacacgggggacuacaccgaggcagccuggcuuaguggaaaaggaacaggcuuuagagccagacugccuggguuuugaaucccagccuguca			1	0	nkc
.....uuagagccagacugccuggguuu.....			5	0	ay3
.....uuagagccagacugccuggguuu.....			1	1	ay3
.....uuagagccagacugccuggguuC.....			1	1	ay3
.....uagagccagacugccuggguuu.....			2	0	ay3
.....uggguuCgaaucccagc.....			2	1	ay3
.....uuagagccagacugccuggguuu.....			1	0	CFU
.....ccuggguuCgaauccca.....			1	1	mED
.....uggguuCgaaucccagc.....			1	1	mED
.....uuagagccagacugccuggguuu.....			1	0	SSC
.....cuggguuCgaaucccagc.....			1	1	t11
.....uuagagccagacugccuggguuu.....			1	0	ut2
.....uuagagccagacugccuggguuu.....			1	0	hlc
.....uuagagccagacugccuggguuuA.....			1	1	hlc
.....uuagagccagacugccugg.....			1	0	mus
.....uagagccagacugccuggguu.....			1	0	mus
.....agccagaUugccugggu.....			1	1	Am2
.....uuagagccagacugccuggguuu.....			2	0	te1
.....uuagagccagacugccuggguuuU.....			1	1	te1
.....uuagagccagacugccuggguuu.....			2	0	mm1
.....uuagagccagacugccuggguuu.....			2	0	mm1
.....uuagagccagacugccugg.....			2	0	em2

agaacagagccuggcaccacaacacgggggacuaacagagcagcugcggcuuaguggaaaaggaacaggcuuagagccagacugcuggguuugaauccagccuguca

.....uuagagccagacugccugggu.....	1	0	em2
.....uuagagccagacugcuggguuA.....	1	1	em2
.....uuagagccagacugccuggguuu.....	4	0	em2
.....uggguuCgaauccagc.....	2	1	em2
.....uuagagccagacugcuggguuu.....	1	0	bm2
.....uuagagccagacugcuggguuu.....	1	0	mE8
.....cuggguuCgaauccagc.....	2	1	mE8
.....uggguuCgaauccagc.....	2	1	mE8
.....uuagagccagacugcuggguuu.....	3	0	hl2
.....uuagagccagacugcuggguuuU.....	1	1	ut1
.....cagggcuuagagccagacugccuggg.....	1	0	br2
.....uuuagagccagacugccugg.....	1	0	br2
.....uuagagccagacugccugU.....	1	1	br2
.....uuagagccagacugccuggg.....	1	0	br2
.....uuagagccagacugccugggu.....	1	0	br2
.....uuagagccagacugcugggAuu.....	1	1	br2
.....uuagagccagacugcuggguu.....	9	0	br2
.....uuagagccagacugcugggUuu.....	1	1	br2
.....uuagagccagacugcuggguuu.....	55	0	br2
.....uuagagccagacugcuggguuA.....	5	1	br2
.....uuagagccagacugcugggGuu.....	1	1	br2
.....uuagagccagacugcuggguuuU.....	6	1	br2
.....uuagagccagacugcuggguuuA.....	2	1	br2
.....uuagagccagacugcuggguuuga.....	3	0	br2
.....uuagagccagacugcuggguuuUa.....	1	1	br2
.....uuagagccagacugcuggguuuAaa.....	1	1	br2
.....uagagccagacugcuggguuu.....	2	0	br2
.....uagagccagacugcuggguuugU.....	1	1	br2
.....uagagccagacugcuggguuuga.....	1	0	br2
.....uuagagccagacugcuggguu.....	1	0	ay1
.....uuagagccagacugcuggguuu.....	4	0	ay1
.....uagagccagacugccugg.....	1	0	ay1
.....uuagagccagacugcuggguuu.....	1	0	ov2
.....ccgagggcagcugggcuuagA.....	1	1	hi2
.....uuuagagccagacugccugg.....	1	0	hi2
.....uuuagagccagacugcugggA.....	1	1	hi2
.....uuuagagccagacugcuggggu.....	1	0	hi2
.....uuagagccagacugccug.....	1	0	hi2
.....uuagagccagacugccugg.....	15	0	hi2
.....uuagagccagacugccugA.....	1	1	hi2
.....uuagagccagacugcuggg.....	2	0	hi2
.....uuagagccagacugcugggA.....	2	1	hi2
.....uuagagccagacugcuggggu.....	27	0	hi2
.....uuagagccagacugcugggG.....	1	1	hi2
.....uuagagccagacugcuggguu.....	1	0	hi2
.....uuagagcUagacugcuggguuu.....	1	1	hi2
.....uuagagccagacugcuggguuu.....	52	0	hi2
.....uuagagccagacugcuggguuuA.....	1	1	hi2
.....uuagagccagacugcuggguuuU.....	4	1	hi2
.....uuagagccagacugcuggguuuga.....	3	0	hi2
.....uagagccagacugccugg.....	1	0	hi2
.....uagagccagacugcuggggu.....	1	0	hi2
.....uagagccagacugcuggguuu.....	1	0	hi2
.....uagagccagacugcuggguuuug.....	1	0	hi2
.....uagagccagacugcuggguuuU.....	1	1	hi2
.....uuagagccagacugccugg.....	1	0	Tm2
.....uuagagccagacugcuggggu.....	1	0	Tm2
.....uuagagccagacugcuggguuu.....	1	0	em1
.....uuagagccagacugcuggguuA.....	1	1	mm2

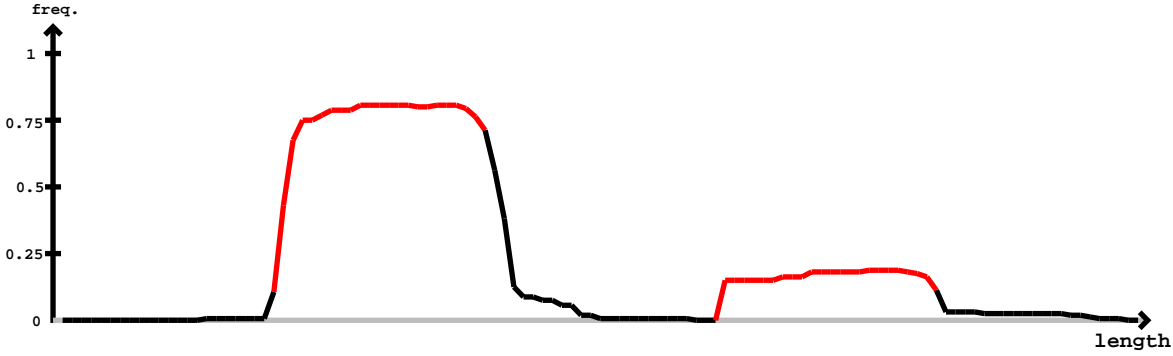
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.....uuagagccagacugccuggguuu.....	9	0	mm2
.....uuagagccagacugccugggu.....	2	0	br1
.....uuagagccagacugccuggguuu.....	11	0	br1
.....uuagagccagacugccuggguuuA.....	1	1	br1
.....uagagccagacuUccuggguuu.....	1	1	br1
.....acugccuggguuuugaaucccag.....	1	0	br1
.....uuagagccagacugccuggguuu.....	1	0	ay2
.....uuagagccagacugccuggguuu.....	8	0	ay2
.....uuagagccagacugccuggguuuA.....	2	1	ay2
.....uuagagccagacugccuggguuuU.....	1	1	ay2
.....uagagccagacugccuggguuu.....	2	0	ay2
.....uuagagccagacugccuggguuuU.....	1	1	hr2
.....gcGagacugccuggguuu.....	1	1	hr2
.....aAgcuuuagagccagac.....	1	1	hi1
.....uuagagccagacugccugg.....	8	0	hi1
.....uuagagccGgacugccugg.....	1	1	hi1
.....uuagagccGgacugccugg.....	1	1	hi1
.....uuagagccagacugccugggu.....	15	0	hi1
.....uuagagUcagacugccugggu.....	1	1	hi1
.....uuagagccagacugccugggA.....	2	1	hi1
.....uuagagccagacugccugggu.....	3	0	hi1
.....uuagagccagacugccuggUuu.....	1	1	hi1
.....uuagagccaAacugccuggguuu.....	1	1	hi1
.....uuagagccagacugccuggguuu.....	40	0	hi1
.....uuagagccagacugccuggguuuA.....	1	1	hi1
.....uuagagccagacugccuggguuuU.....	4	1	hi1
.....uuagagccagacugccuggguuuA.....	1	1	hi1
.....uuagagccagacugccuggguuuuga.....	1	0	hi1
.....uagagccagacugccugggu.....	1	0	hi1
.....uagagccagacugccuggguuu.....	1	0	hi1
.....uagagccagacugccugggUuu.....	1	1	hi1
.....uuagagccagacugccuggguuu.....	1	0	Tp1
.....uuagagccagacugccuggguuuU.....	1	1	Tp1
.....ccuggguuuugaUucccagc.....	1	1	Tp1
.....cugggCuugaaucccagc.....	1	1	Tp1
.....uuagagccagacugccugggu.....	1	0	mE1
.....uuagagccagacugccuggguuu.....	1	0	mE1
.....uuagagccagacugccuggguuuuga.....	1	0	mE1
.....ccuggguuuCgaaucccagc.....	2	1	mE1
.....uggguuuCgaaucccagc.....	1	1	mE1
.....uuagagccagacugccuggguuu.....	7	0	nb3
.....uuagagccagacugccuggguuuU.....	1	1	nb3
.....uuagagccagacugccuggguuuA.....	1	1	nb3
.....uuagagccagacugccuggguuu.....	1	0	mbm
.....uuagagccagacugccuggguuu.....	1	0	oo1
.....uuagaUccagacugccugggu.....	1	1	li1
.....uuagagccagacugccuggguuu.....	5	0	li1
.....uuagagccagacugccuggguuuU.....	3	1	li1
.....uuagagAcagacugccuggguuu.....	1	1	li2
.....uuagagccagacugccuggguuu.....	4	0	li2
.....uuagagccagacGgccuggguuu.....	1	1	li2
.....gccagacugccuggguuu.....	1	0	li2
.....uuagagccagacugccugggu.....	1	0	Tm1
.....uuagagccagacugccugggu.....	1	0	Tm1
.....uuagagccagacugccuggguuu.....	3	0	em3
.....uagagccagacugccuggguuu.....	1	0	em3

agaacagagccuggcaccacaacacgggggacuaca**ccgagggcagccuggc**uuaguggaaaaggaacagggcuuu**agagccagacugccuggguu**ugaauccagccuguca

.....g	1	0	em3
.....uuagagccagacugccuggguu	3	0	nb2
.....uuagagccagacugccuggguuA	1	1	nb2
.....uuagagccagacugccuggguu	2	0	mm3
.....cuggguuGgaauccagc	1	1	mm3
.....uuuagagccagacugccug	1	0	cx1
.....uuuagagccagacugccugg	3	0	cx1
.....Cuagagccagacugccuggg	1	1	cx1
.....uuagagccagacugccug	1	0	cx1
.....uuagagccagacugccugg	12	0	cx1
.....uuagagcAagacugccugggu	1	1	cx1
.....uuagagccagacugccCgggu	1	1	cx1
.....uuagagccagacugccugggA	1	1	cx1
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.....uuagagccagacugccuggguu	9	0	cx1
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.....uuagagccagacugccuggguuug	2	0	cx1
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.....uuagagccagacugccuggguuuga	1	0	cx1
.....uagagccagacugccugg	1	0	cx1
.....uagagccagacugccugggu	1	0	cx1
.....uUgagccagacugccuggguu	1	1	cx1
.....agccagaUugccugggu	1	1	Am1

miRBase precursor : mmu_chr6_12274
 Total read count : 160
 mmu_chr6_12274 read count 117
 mmu_chr6_12274* read count 16
 remaining reads : 17



mmu_chr6_12274		mmu_chr6_12274*				
5'	3'	reads	mm	exp		sample
uuuauccauugcuugaguugaauucagauugggcagauugggaaguagucuauugcacauugcuggc <u>uucccuuucugaauaucuguaga</u> aguuaauauaugugugugu	.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....))).....))).....))).....))).....))).....))).....))).....))	1	0	nkc		nkc
.....a <u>uuc</u> cagauugggcagauugggaag.....	.....uucccuuucugaauaucuguag.....	3	0	nkc		nkc
.....uucccuuucugaauaucuguaga.....	.....uucccuuucugaauaucuguaga.....	1	0			nkc
.....uucccuuucugaauaucuguaga.....	.....uucccuuucugaauaucuguaga.....	1	0	ay3		ay3
.....a <u>uuc</u> cagauugggcagauugggaag.....	.....uucccuuucugaauaucuguag.....	1	0	mdc		mdc
.....a <u>uuc</u> cagauugggcagauugggaagu.....	.....uucccuuucugaauaucuguag.....	1	0	CFU		CFU
.....uucccuuucugaauaucuguag.....	.....uucccuuucugaauaucuguag.....	1	0	CFU		CFU
.....uucccuuucugaauaucuguaga.....	.....uucccuuucugaauaucuguagU.....	5	0	CFU		CFU
.....uucccuuucugaauaucuguagU.....	.....uucccuuucugaauaucuguagU.....	1	1	CFU		CFU
.....a <u>uuc</u> cagauugggcagauugggaag.....	.....uucccuuucugaauaucuguag.....	1	0	48t		48t
.....ucagauugggcagauugggaagu.....	.....uucccuuucugaauaucuguaga.....	1	0	t11		t11
.....uucccuuucugaauaucuguaga.....	.....uucccuuucugaauaucuguagU.....	1	0	t11		t11
.....uucccuuucugaauaucuguagU.....	.....uucccuuucugaauaucuguagU.....	1	1	t11		t11
.....a <u>uuc</u> cagauugggcagauugggaag.....	.....uucccuuucugaauaucuguag.....	1	0	gcb		gcb
.....a <u>uuc</u> cagauugggcagauugggaag.....	.....uucccuuucugaauaucuguag.....	1	0	gcb		gcb
.....a <u>uuc</u> cagauugggcagauugggaagu.....uucccuuucugaauaucuguag.....	2	0	gcb		gcb
.....uucccuuucugaauaucuguaga.....uucccuuucugaauaucuguag.....	2	0	gcb		gcb
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.....uucccuuucugaauaucuguaga.....uucccuuucugaauaucuguag.....	2	0	gcb		gcb
.....uucccuuucugaauaucuguaga.....uucccuuucugaauaucuguag.....	1	0	gcb		gcb
.....agaugggcagauugggaaguagucu.....	.....uucccuuucugaauaucuguaga.....	3	0	gcb		gcb
.....g <u>au</u> ugggcagauugggaagu.....	.....uucccuuucugaauaucuguaga.....	1	0	gcb		gcb
.....uucccuuucugaauaucuguaga.....	.....uucccuuucugaauaucuguaga.....	1	0	gcb		gcb
.....uucccuuucugaauaucuguaga.....	.....uucccuuucugaauaucuguaga.....	1	0	kdn		kdn
.....uucccuuucugaauaucuguaga.....	.....uucccuuucugaauaucuguaga.....	1	0	pc1		pc1
.....uucccuuucugaauaucuguaga.....uucccuuucugaauaucuguaga.....	1	0	pc1		pc1

mmu_chr6_12274

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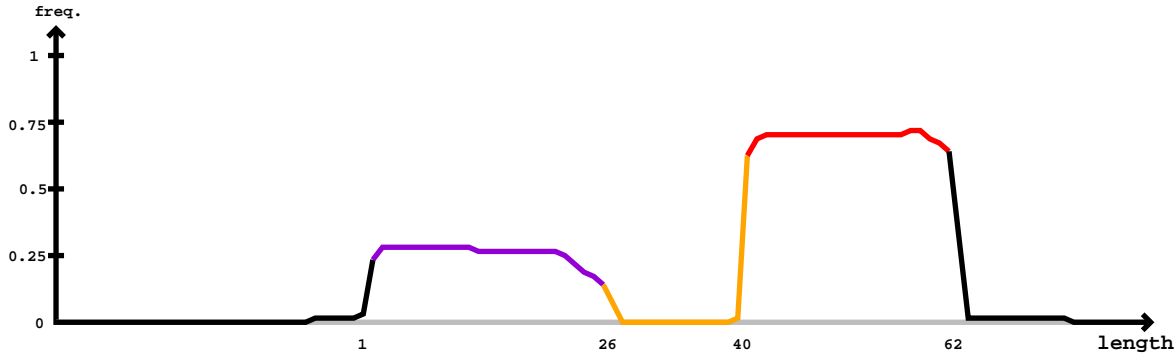
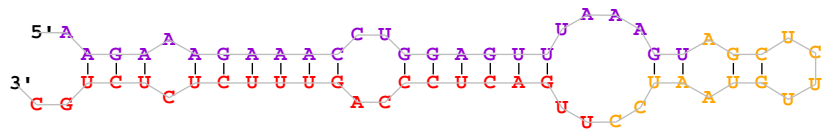
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.....auucagauugggcagauuggga.....	1	0	gc2
.....auucagauugggcagauugggaa.....	2	0	gc2
.....auucagauugggcagauugggaag.....	2	0	gc2
.....auucagauugggcagauugggaagu.....	1	0	gc2
.....uucagauugggcagauuggg.....	1	0	gc2
.....uucccuuucugaauaucug.....	1	0	gc2
.....uucccuuucugaauaucugu.....	1	0	gc2
.....auucagauugggcagauugg.....	1	0	sp2
.....auucagauugggcagauugggaag.....	2	0	sp2
.....auucagauugggcagauugggaagua.....	1	0	sp2
.....uucagauugggcagauugggaa.....	2	0	sp2
.....uucagauugggcagauugggaagu.....	1	0	sp2
.....auucagauugggcagauugggaagu.....	1	0	mus
.....ucagauugggcagauugggaag.....	1	0	mus
.....gauucagauugggcagauugggaagu.....	5	0	Am2
.....gauucagauugggcagauugggaaguagCcuuu.....	3	1	Am2
.....uucccuuucugaauaucuguag.....	1	0	skn
.....uucagauugggcagauugggaag.....	1	0	mm1
.....uucagauugggcagauugggaa.....	1	0	nt2
.....uucagauugggcagauugggaag.....	1	0	nt2
.....uucagauugggcagauugggaagu.....	1	0	nt2
.....ucagauugggcagauugggaagu.....	1	0	nt2
.....auucagauugggcagauuggga.....	1	0	itr
.....auucagauugggcagauugggaa.....	1	0	itr
.....uucagauugggcagauugggaagu.....	2	0	itr
.....gauugggcagauugggaaguagu.....	1	0	bm2
.....uucccuuucugaauaucuguag.....	1	0	bm2
.....ucagauugggcagauugggaag.....	1	0	mE8
.....auucagauugCgcagauugggaag.....	1	1	h12
.....auucagauugggcagauugggaagu.....	1	0	c8t
.....uucagauugggcagauuggga.....	1	0	c8t
.....ugaauaucuguagaaguuaauauauaug.....	1	0	Tm2
.....uGcugaauaucuguaga.....	1	1	em1
.....uucccuuucugaauaucuguag.....	1	0	ntr
.....auucagauugggcagauuggg.....	1	0	nt1
.....uucccuuucugaauaucuguaga.....	1	0	nt1
.....auucagauugggcagauuggga.....	1	0	ay2
.....uucccuuucugaauaucuguaga.....	1	0	ay2
.....uucagauugggcagauugggaagu.....	2	0	c4t
.....uucccuuucugaauaucuguaga.....	1	0	c4t
.....ugaauaucuguagaaguuaauauauau.....	1	0	Tp2
.....ugaauaucuguagaaguuaauauauauaug.....	1	0	Tp2
.....ucuguagaaguuaauauauaugugugu.....	1	0	Tp2
.....auucagauugggcagauuggga.....	1	0	pob
.....auucagauugggcagauugggaagu.....	1	0	pob
.....uucagauugggcagauugggaag.....	1	0	pob
.....uucccuuucugaauaucuguag.....	1	0	pob
.....auucagauugggcagauugggaa.....	2	0	peb

mmu_chr6_12274

uuuauuccauugcuuugaguugauucagaugggcagaugggaaguagucuuugcacaugaugcuggcuucccuuucugaauaucuguagaaguuaauuauaugugugugu

.....uucagau	gggcagau	gggaa	.....	1	0	peb
.....uucagau	gggcagau	gggaagu	.....	1	0	peb
.....	ugggaagu	agucuuugcacaugaugcu	.....	1	0	Tp1
.....auucagau	gggcagau	gggaa	.....	1	0	bac
.....auucagau	gggcagau	gggaag	.....	1	0	bac
.....auucagau	gggcagau	gggaagu	.....	1	0	bac
.....uucagau	gggcagau	gggaagu	.....	1	0	bac
.....uugagu	uga	uucagau	gggcag	1	0	oo1
.....auucagau	gggcagau	gggaag	.....	3	0	sp1
.....uucagau	gggcagau	gggaag	.....	1	0	sp1
.....uucagau	gggcagau	gggaagu	.....	2	0	sp1
.....ucagau	gggcagau	gggaa	.....	1	0	sp1
.....ucagau	gggcagau	gggaagua	.....	1	0	sp1
.....ucagau	gggcagau	gggaagu	.....	2	0	li2
.....auucagau	gggcagau	ugg	.....	1	0	imb
.....auucagau	gggcagau	ggga	.....	1	0	imb
.....auucagau	gggcagau	gggaa	.....	1	0	imb
.....auucagau	gggcagau	gggaag	.....	2	0	imb
.....uucagau	gggcagau	gggaa	.....	1	0	imb
.....uucagau	gggcagau	gggaag	.....	2	0	imb
.....uucagau	gggcagau	gggaagu	.....	1	0	imb
.....ucagau	gggcagau	gggaagua	.....	1	0	imb
.....auucagau	gggcagau	ugg	.....	1	0	th2
.....auucagau	gggcagau	gggaag	.....	1	0	th2
.....auucagau	gggcagau	gggaagu	.....	1	0	th2
.....uucagau	gggcagau	gggaag	.....	2	0	th2
.....g	ugggcagau	gggaagua	.....	1	0	th2
.....uuccuuucugaauaucu	gaga	.....	1	0	th2	
.....uucagau	gggcagau	gggaagu	.....	1	0	sg1
.....ucagau	gggcagau	gggaagu	.....	1	0	sg1
.....auucagau	gggcagau	gggaa	.....	2	0	nt4
.....auucagau	gggcagau	gggaagu	.....	1	0	nt4
.....uucagau	gggcagau	gggaa	.....	2	0	nt4
.....uucagau	gggcagau	gggaag	.....	2	0	nt4
.....auucagau	gggcagau	gggaa	.....	1	0	th7
.....auucagau	gggcagau	gggaagu	.....	1	0	th7
.....uucagau	gggcagau	gggaa	.....	1	0	nct
.....uucagau	gggcagau	gggaagu	.....	1	0	nct
.....ucagau	gggcagau	gggaa	.....	1	0	nct
.....gauucagau	gggcagau	gggaagu	.....	5	0	Am1
.....gauucagau	gggcagau	gggaaguagCcuu	.....	3	1	Am1
.....gggcagau	gggaagu	.....	1	0	Am1	
.....gggcagau	gggaaguagucuuugc	.....	1	0	Am1	
.....ggAcagau	gggaaguagucuuugc	.....	1	1	Am1	

Provisional ID : chr6_15427
 Score total : 32
 Score for star read(s) : 3.9
 Score for read counts : 25.6
 Score for mfe : 1.5
 Score for randfold : 1.6
 Score for cons. seed : -0.6
 Total read count : 62
 Mature read count : 45
 Loop read count : 0
 Star read count : 17



Star

Mature

5'	Star	Mature	-3'	obs	mm	sample
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	agcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	ntr
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	CFU
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	5	0	CFU
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	2	0	CFU
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	48t
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	t11
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	hi1
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	1	hi1
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	hi1
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	pob
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	pob
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	pob
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	pob
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	peb
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	2	0	gc2
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	gc2
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	1	Tp1
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	Tp1
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	Tp1
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	Tp1
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	1	bac
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	bac
caaggucaaggccagcccagauacaugagaa	aagaagaaccuggaguuuaa	guagcucuuguaaucuugacuccaguuucucucugc	cuugggucuaaguuggcugg	1	0	sp2

Star

Mature

caaggucaaggccagcccagagauacaugagaagaagaagaaccuggaguuuaaaguagcucuuguaaucuugacuccaguuucucucugcuuguggucuaguuggcucgg

.....uugacuccaguuucucucugc.....	1	0	sp1
.....uugacuccaguuCucucucugc.....	1	1	3Ta
.....uugacuccaguuucucucugc.....	15	0	3Ta
.....gacuccaguuucucucugc.....	1	0	3Ta
.....agaaagaaccuggaguuuaaagu.....	1	0	li2
.....cuugacuccaguuucucucugU.....	1	1	li2
.....uugacuccaguuucucucugc.....	1	0	li1
.....ucugcuGguggucuagu.....	1	1	li1
.....uugacuccaguuucucucugc.....	1	0	em2
.....uugacuccaguuucucucugc.....	1	0	h12
.....uugacuccaguuucucucugc.....	1	0	nt4
.....aagaagaaccuggaguuua.....	1	0	Tm1
.....aagaagaaccuggaguuuaag.....	1	0	Tm1
.....uugacuccaguuucucucugc.....	4	0	Tm1
.....uugacuccUaguuucucucugc.....	1	1	Tm1
.....aagaagaaccuggaguuu.....	1	0	th7
.....uugacuccaguuucucucugc.....	1	0	cx1
.....aagaagaaccuggaguuua.....	1	0	nct

Star

Mature

gccccacagugguaguagggcuugggauccuuugcccuggcuucagaucucggcaaccaucacuaacuagaucuguaagugaugggcaagAACuccaugcccucugagccuu

.....aucuguaagugaugggcaagua.....	1	0	bac
.....aucuguaagugaugggcaagAAC.....	1	0	bac
.....Caucucggcaaccaucac.....	1	1	h11
.....aucuguaagugaugggcaagAAC.....	1	0	h11
.....aucuguaagugaugggcaagAAC.....	1	1	h11
.....aucuguaagugaugggcaagAAC.....	3	0	sp1
.....aucuguaagugaugggcaagAAC.....	1	0	bm1
.....aucuCuagugaugggcaagAAC.....	1	1	imb
.....aucuguaagugaugggcaagAAC.....	1	0	itr
.....aucuguaagugaugggcaagAAC.....	1	0	th2
.....aucuguaagugaugggcaagAAC.....	1	0	th2
.....aucuguaagugaugggcaagAAC.....	1	0	bm2
.....aucuguaagugaugggcaagAAC.....	1	0	bm2
.....aucuguaagugaugggcaagAAC.....	1	0	nt4
.....uuugcccuggcuucagaucucg.....	1	0	h12
.....cuucagaucucggcaacca.....	1	0	h12
.....aucuguaagugaugggcaagAAC.....	1	0	h12
.....aucuguaagCgugaugggcaagAAC.....	1	1	h12
.....aucuguaagugaugUgcaagAAC.....	1	1	h12
.....aucuguaagugaugggcaagAACU.....	2	1	h12
.....aucuguaagugaugggcaagAAC.....	2	0	Tm1
.....aucuguaagugaugggcaagAAC.....	1	0	Tm1
.....aucuguaagugaugggcaagAAC.....	1	0	th7
.....aucuguaagugaugggcaagAAC.....	1	0	ut1

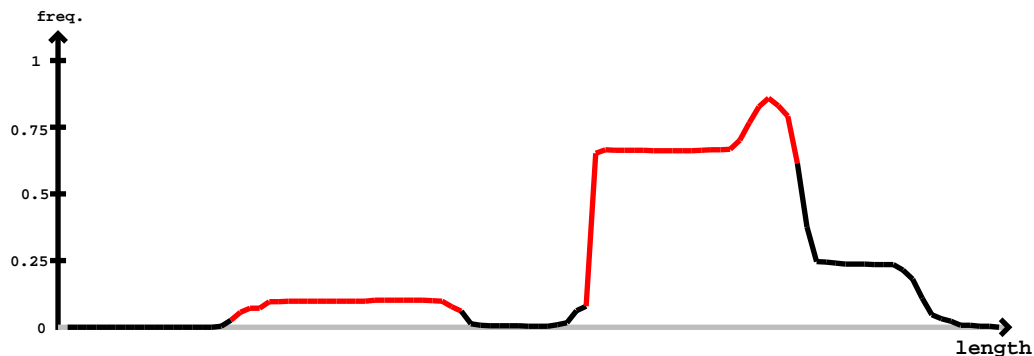
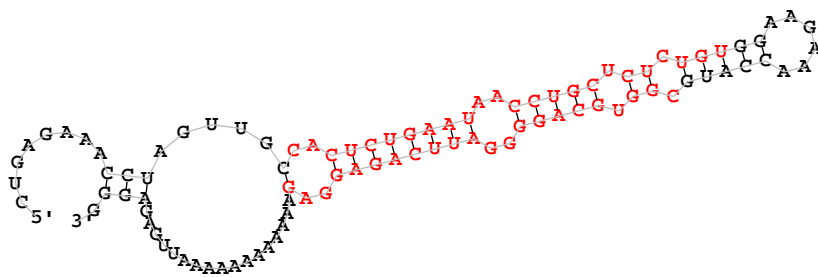
Mature

Star

cugaacucagagcaugguucugacagcagugcuguagacauggucucucagcaucucuccagcacugcuuguuuucugacaugcuacugauaagcacugcagugagugaug

.....gcagugcuguagacauggucucuc.....	1	0	gc2
.....ucucuccagcacugcuuguuuuc.....	1	0	gc2
cugaacucagagcaugguuc.....	1	0	sp2
.....agugcuguagacauggucucucag.....	1	0	sp2
.....ucucuccagcacugcuuguuuuc.....	5	0	sp2
.....ugacagcagugcuguagacauc.....	1	0	bac
.....gacagcagugcuguagacaugguc.....	1	0	bac
.....gacagcagugcuguagacauggucucuc.....	1	0	bac
.....gugcuguagacauggucucuc.....	1	0	bac
.....gugcuguagacauggucucuca.....	1	0	bac
.....ucucuccagcacugcuuguuuuc.....	1	0	bac
.....ucucuccagcacugcuuguuuuc.....	1	0	mbm
.....ucucuccagcacugcuuguuuuc.....	3	0	sp1
.....ucucuccagcacugcuuguuuuc.....	1	0	Am2
.....ucucuccagcacugcuuguuuuc.....	1	0	itr
.....ugacagcagugcuguagacauc.....	1	0	imb
.....ucucuccagcacugcuuguuuuc.....	5	0	imb
.....augguucugacagcagug.....	1	0	sg1
.....ucucuccagcacugcuuguuuuc.....	1	0	sg1
cugaacucagagcaugguuA.....	1	1	bm2
.....acagcagugcuguagacauggu.....	1	0	bm2
.....cugacagcagugcuguagacauc.....	1	0	nt4
.....ugacagcagugcuguagacauc.....	35	0	nt4
.....acagcagugcuguagacauggu.....	1	0	nt4
.....gcagugcuguagacauggucucuc.....	1	0	nt4
.....cuguagacauggucucucagc.....	2	0	nt4
.....ucucuccagcacugcuuguuuuc.....	1	0	nt4
.....ucucuccagcacugcuuguuuuc.....	2	0	nt4
.....ucucuccagcacugcuuguuuuc.....	8	0	nt4
.....cucuccagcacugcuuguuuuc.....	1	0	nt4
.....ucuccagcacugcuuguuuucuga.....	1	0	nt4
.....ugacagcagugcuguagacauc.....	6	0	th7
.....ucucuccagcacugcuuguuuuc.....	3	0	th7
.....ucucuccagcacugcuuguuuuc.....	6	0	th7
.....ucucuccagcacugcuuguuuuc.....	21	0	th7
.....ucucuccagcacugcuuguuuuc.....	1	0	c8t
.....ucucuccagcacugcuuguuuuc.....	2	0	Am1

miRBase precursor : mmu_chr7_14441
 Total read count : 532
 mmu_chr7_14441 read count 51
 mmu_chr7_14441* read count 45
 remaining reads : 136



mmu_chr7_14441

mmu_chr7_14441*

5'	3'	exp	reads	mm	sample
cugagaaaccuaguugccacucugaauaaccugcucucugu	ggaagaaaccaugcggugcaggggaauucagaggag	aaaaaaaaaaaaauugagaggg			
.....(((.....((.....(((.....(((.....(((.....)))))))).)))).)))).					
.....cacucugaauaaccugcucucugu.....			1	0	E15
.....augcggugcaggggaauucagagU.....			1	1	E15
.....gCggugcaggggaauucagaggaA.....			1	1	E15
.....cggugcaggggaauucagaggag.....			1	0	E15
.....cggugcaggggaauucagaggagU.....			2	1	E15
.....cggugcaggggaauucagaggaga.....			1	0	E15
.....cacucugaauaaccugcucucug.....			1	0	nkc
.....ugcggugcaggggaauucagagga.....			1	0	nkc
.....cggugcaggggaauucagagga.....			1	0	nkc
.....cggugcaggggaauucagaggag.....			2	0	nkc
.....cggugcaggggaauucagaggaga.....			2	0	nkc
.....ucugaauaaccugcucucugu.....			5	0	3T3
.....agaggagaaaaaaaaaaaauuU.....			5	1	3T3
.....ccacucugaauaaccugcucucu.....			1	0	mdc
.....ccacucugaauaaccugcucucugu.....			1	0	mdc
.....ugcggugcaggggaauucagagga.....			1	0	mdc
.....cggugcaggggaauucagaggag.....			5	0	mdc
.....cggugcaggggaauucagaggaga.....			3	0	mdc
.....caugcggugcaggggaauucagaggagaaaU.....			2	1	CFU
.....ggugcaggggaauucagaggaga.....			1	0	CFU
.....gCggagaaaaaaaaaaaa.....			2	1	CFU
.....gaggGgaaaaaaaaaaaa.....			1	1	CFU
.....gaggagGaaaaaaaaaaaa.....			2	1	CFU
.....gaggAaaaaaaaaaaaa.....			1	1	CFU
.....gaggagaaaaaaaaaaaaA.....			2	1	CFU
.....aggAaaaaaaaaaaaa.....			1	1	CFU
.....ugcggugcaggggaauucagag.....			2	0	48t
.....cggugcaggggaauucagag.....			1	0	48t
.....cggugcaggggaauucagagga.....			6	0	48t

cugagaaaccuaguugccacucugaauaaccugcucucuguggaagaaccaugcggugcaggggaauucagaggagaaaaaaaaaaaauugagaggg

.....cggugcaggggaauucagaggag.....	4	0	48t
.....agaggGgaaaaaaaaa.....	1	1	mED
.....gaggGgaaaaaaaaa.....	5	1	mED
.....gaggAaaaaaaaaa.....	1	1	mED
.....aggUgaaaaaaaaa.....	1	1	mED
.....aggaAaaaaaaaaa.....	1	1	mED
.....aggGgaaaaaaaaa.....	1	1	mED
.....cggugcaggggaauucagaggga.....	1	0	mzb
.....cggugcaggggaauucagaggag.....	3	0	mzb
.....cggugcaggggaauucagaggaga.....	1	0	mzb
.....ucugaauaaccugcucucuguU.....	1	1	SSC
.....auuAagaggagaaaaaa.....	1	1	SSC
.....ggagaaaaaaaaaaaA.....	1	1	SSC
.....ccacucugaauaaccugcucucugu.....	1	0	lun
.....cggugcaggggaauucagag.....	1	0	lun
.....cggugcaggggaauucagagg.....	1	0	lun
.....cggugcaggggaauucagaggga.....	2	0	lun
.....cggugcaggggaauucagaggag.....	1	0	lun
.....cggugcaggggaauucagaggaga.....	1	0	lun
.....gCggagaaaaaaaaa.....	1	1	t11
.....gaggAaaaaaaaaa.....	2	1	t11
.....cacucugaauaaccugcucucugu.....	1	0	gcb
.....ugcggugcaggggaauucagag.....	1	0	gcb
.....cggugcaggggaauucagagg.....	1	0	gcb
.....cggugcaggggaauucagaggga.....	6	0	gcb
.....cggugcaggggaauucagaggag.....	4	0	gcb
.....cggugcaggggaauucagaggag.....	2	0	ut2
.....cggugcaggggaauucagaggagU.....	1	1	ut2
.....cggugcaggggaauucagaggaga.....	2	0	ut2
.....cggugcaggggaauucagaggagaa.....	1	0	ut2
.....caugcggugcaggggaauucag.....	1	0	kdn
.....cggugcaggggaauucagagg.....	1	0	kdn
.....cggugcaggggaauucagaggga.....	2	0	kdn
.....cggugcaggggaauucagaggag.....	4	0	kdn
.....cggugcaggggaauucagaggaga.....	2	0	kdn
.....cggugcaggggaauucagaggag.....	1	0	h1c
.....cggugcaggggaauucagaggaga.....	1	0	h1c
.....cggugcaggggaauucagaggagU.....	1	1	h1c
.....acucugaauaaccugcucucug.....	1	0	sp2
.....ugcggugcaggggaauucaga.....	1	0	sp2
.....ugcggugcaggggaauucagaggga.....	1	0	sp2
.....gCggugcaggggaauucagaggaga.....	1	0	sp2
.....cggugcaggggaauucagagg.....	1	0	sp2
.....cggugcaggggaauucagaggga.....	2	0	sp2
.....cggugcaggggaauucagaggag.....	2	0	sp2
.....cggugcaggggaauucagaggaga.....	2	0	sp2
.....cacucugaauaaccugcucucug.....	1	0	h11
.....ugcggugcaggggaauucagagg.....	1	0	h11
.....cggugcaggggaauucagaggagU.....	2	1	h11
.....cggugcaggggaauucagaggga.....	1	0	mus
.....cggugcaggggaauucagaggag.....	3	0	mus
.....ggugcaggggaauucagaggga.....	1	0	mus
.....augcggugcaggggaauucagGg.....	1	1	Am2
.....aggagaaaaaaaaaaC.....	1	1	Am2
.....aggaAaaaaaaaaaaU.....	1	1	Am2
.....aggaAaaaaaaaaaaUU.....	1	1	Am2

cugagaaaccuaguugccacucugaauaaccugcucucuguggaagaaccaugcggugcaggggaauucagaggagaaaaaaaaaaaauugagaggg

.....Agagaaaaaaaaaaaaa.....	1	1	Am2
.....gaLaaaaaaaaaaaauu.....	2	1	Am2
.....cggugcaggggaauucagagga.....	1	0	skn
.....cggugcaggggaauucagaggag.....	1	0	skn
.....ugcggugcaggggaauucagagga.....	1	0	nt2
.....cggugcaggggaauucagagga.....	1	0	nt2
.....cggugcaggggaauucagaggag.....	1	0	nt2
.....cacucugaauaaccugcucucu.....	1	0	itr
.....ugcggugcaggggaauucagag.....	1	0	itr
.....cggugcaggggaauucagagga.....	8	0	itr
.....cggugcaggggaauucagaggag.....	8	0	itr
.....cggugcaggggaauucagaggaga.....	5	0	itr
.....ggugcaggggaauucagaggaga.....	1	0	itr
.....aggGgaaaaaaaaaaaa.....	1	1	em2
.....aLaaaaaaaaaaaauuuga.....	1	1	em2
.....ugaauaaccugcucucuguggaagU.....	1	1	mE8
.....ugcggugcaggggaauucagag.....	1	0	mE8
.....cggugcaggggaauucagaggag.....	1	1	mE8
.....cggugcaggggaauucagaggaga.....	1	0	mE8
.....gaggGgaaaaaaaaaaaa.....	4	1	mE8
.....gaggGgaaaaaaaaaaaa.....	3	1	mE8
.....aggagUaaaaaaaaaaaa.....	1	1	mE8
.....aggagGaaaaaaaaaaaa.....	4	1	mE8
.....ggagaaaaaaaaaaaaA.....	1	1	mE8
.....ccacucugaauaaccugcucucu.....	3	0	bm2
.....cggugcaggggaauucagagg.....	2	0	bm2
.....cggugcaggggaauucagagga.....	1	0	bm2
.....ggugcaggggaauucagaggag.....	1	0	bm2
.....uuAgaggagaaaaaaaaaaaa.....	1	1	bm2
.....gcccugcaggggaauucagaggagU.....	1	1	hl2
.....cggugcaggggaauucagaggag.....	3	0	hl2
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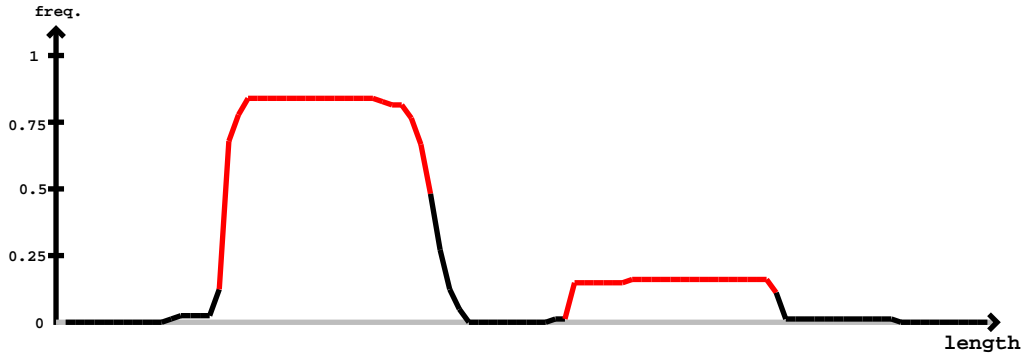
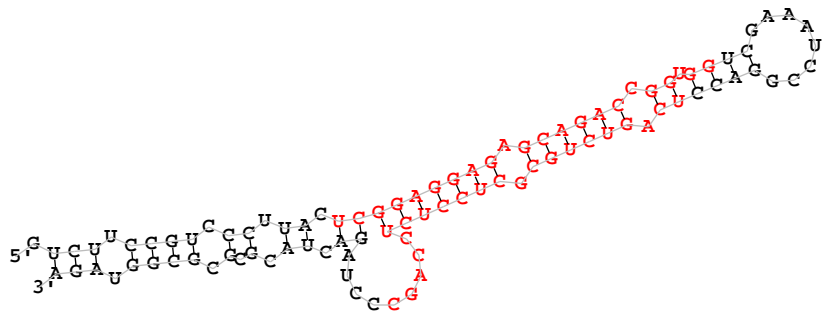
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miRBase precursor : mmu_chr7_14452
 Total read count : 81
 mmu_chr7_14452 read count 66
 mmu_chr7_14452* read count 2
 remaining reads : 3



mmu_chr7_14452*

5' -	mmu_chr7_14452	-3'	exp	reads	mm	sample
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Mature

Star

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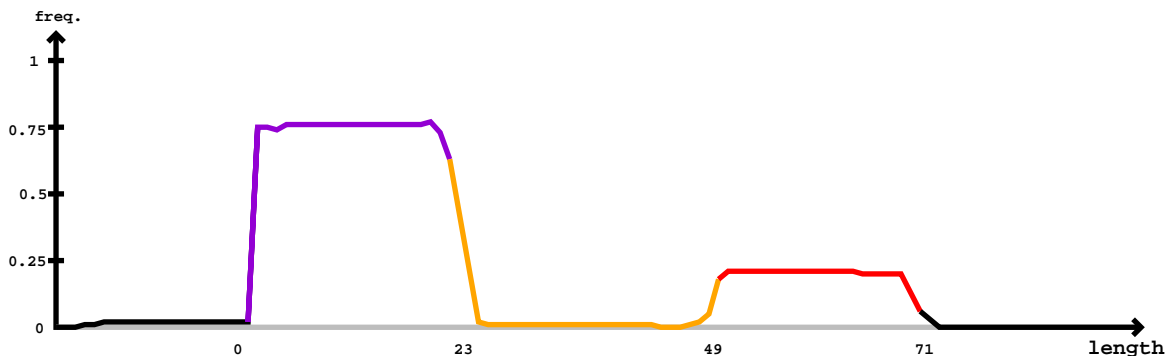
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.....cugcucggggcacuguaagaU.....	1	1	Tm1
.....cugcucggggcacuguaagag.....	7	0	Tm1
.....cugcucggggGacuguaagaga.....	1	1	Tm1
.....cugcucgggUgcacuguaagaga.....	2	1	Tm1
.....cugcucggggcacuguaagagC.....	1	1	Tm1
.....cugcuAggggcacuguaagaga.....	1	1	Tm1
.....cGgcucggggcacuguaagaga.....	1	1	Tm1
.....cugcucggggcacuguGagaga.....	1	1	Tm1
.....cugUcggggcacuguaagaga.....	2	1	Tm1
.....cugcucUggggcacuguaagaga.....	2	1	Tm1
.....cuCucggggcacuguaagaga.....	1	1	Tm1
.....cugcucCggggcacuguaagaga.....	1	1	Tm1
.....cugcuUggggcacuguaagaga.....	1	1	Tm1
.....cugcucggggcGcuguaagaga.....	1	1	Tm1
.....cugcucggggcacugAaagaga.....	1	1	Tm1
.....cugcucggggcaUuguaagaga.....	4	1	Tm1
.....Uugcucggggcacuguaagaga.....	1	1	Tm1
.....cugcucggggcacuguaaUaga.....	1	1	Tm1
.....cugcucggggcacuguaagaga.....	448	0	Tm1
.....cugcucggggcacuguaagagU.....	5	1	Tm1
.....cugcucgggCcacuguaagaga.....	1	1	Tm1
.....cugcucggggcacuguaagUga.....	1	1	Tm1
.....cugcucggggcacuguaagagaU.....	2	1	Tm1
.....ugcucggggcacuguaagaga.....	1	0	Tm1
.....ugcucggggcacuguaagagU.....	1	1	Tm1
.....cuGggggcacuguaagaga.....	1	1	Tm1
.....cucggggcacuguaagaga.....	2	0	Tm1
.....cucggggcacuguaagagaaga.....	1	0	Tm1
.....ucggggcacuguaagaga.....	1	0	Tm1
.....ucggggcacuguaagagaag.....	3	0	Tm1
.....ucggggcacuguaagagaaga.....	11	0	Tm1
.....ucggggcacuguaagagaagaa.....	2	0	Tm1
.....cggggcacuguaagaga.....	1	0	Tm1
.....ccuuccacuggaccuggggcugggc.....	1	0	SSC
.....ccuuccacuggaccuggggcugggcguuuccuguc.....	1	0	SSC
.....cugcucggggcacuguaagagG.....	1	1	SSC
.....cugcucggggcacuguaagaga.....	1	0	SSC
.....ugaccaggcgacuucugcuuc.....	1	0	Tp2
.....ccuuccacuggaccuggggcuggg.....	1	0	Tp2
.....ccuuccacuggaccuggggcugggc.....	14	0	Tp2
.....ccuuccacuggaccuggggcuggUc.....	1	1	Tp2
.....cugcucggggcacuguaagag.....	1	0	Tp2
.....cugcucggggcacuguaagaga.....	30	0	Tp2
.....cugcuAggggcacuguaagaga.....	1	1	Tp2
.....cugcucggggcCcuguaagaga.....	1	1	Tp2

uagcaucugcuuccugaccaggcgacuucugcuucccuuccacuggaccuggggcuggggcgcuuuccugucugcucggggcacuguaagagaagaagagccgcacugccuuu

.....ccugaccaggcgacuucugcuuc.....	1	0	te2
.....cugaccaggcgacuucugcu.....	1	0	te2
.....ugaccaggcgacuucugcuuc.....	1	0	te2
.....gaccaggcgacuucugcuuc.....	1	0	te2
.....ugaccaggcgacuucugcuuc.....	1	0	tp1
.....ccuuccacuggaccuggggcugggc.....	3	0	tp1
.....cugcucggggcacuguaagaga.....	15	0	tp1
.....ucggggcacuguaagagaag.....	1	0	tp1
.....ucggggcacuguaagagaaga.....	1	0	tp1
.....ucggggcacuguaagagaagaa.....	1	0	tp1

Provisional ID : chr8_21975
 Score total : 50.5
 Score for star read(s) : 3.9
 Score for read counts : 43
 Score for mfe : 2.6
 Score for randfold : 1.6
 Score for cons. seed : -0.6
 Total read count : 96
 Mature read count : 20
 Loop read count : 0
 Star read count : 76



Star

Mature

5'	3'	obs	exp	reads	mm	sample
gcaaacggaaccggcgccgggagucgcgccccgcucgcu	uccaccaacgcgggcggaucuccggcgagcgggagcgcgcucguc	1	1	1	1	E15
ggagucgcgccccgcucgcu	ggagucgcgccccgcucgcu	1	0	1	0	nkc
cgagcgggagcgcgcucgucU	cgagcgggagcgcgcucgucU	1	1	1	1	3T3
ggagucgcgccccgcucgc	ggagucgcgccccgcucgc	1	0	1	0	CFU
ggagucgcgccccgcucUcg	ggagucgcgccccgcucUcg	1	1	1	1	CFU
ggagucgcgccccgcucgA	ggagucgcgccccgcucgA	3	1	3	1	CFU
ggagucgcgccccgcucgU	ggagucgcgccccgcucgU	1	1	1	1	CFU
gucgcgccccgcucgcgC	gucgcgccccgcucgcgC	2	0	2	0	CFU
gcgcgUgcgggagcgcgc	gcgcgUgcgggagcgcgc	1	1	1	1	CFU
ggagucgcgccccgcucgU	ggagucgcgccccgcucgU	1	1	1	1	SSC
ggagucgcgccccgcucgA	ggagucgcgccccgcucgA	1	1	1	1	SSC
aacggaaccggcgccggg	aacggaaccggcgccggg	1	0	1	0	mED
ggagucgcgccccgcucg	ggagucgcgccccgcucg	1	0	1	0	mzb
ggagucgcgccccgcucgcg	ggagucgcgccccgcucgcg	1	0	1	0	mzb
ggagucgcgccccgcucgcu	ggagucgcgccccgcucgcu	1	0	1	0	gcb
ggagucgcgccccgcucgc	ggagucgcgccccgcucgc	1	0	1	0	t11
ggagucgcgccccgcucgU	ggagucgcgccccgcucgU	1	1	1	1	t11
ggagucgcgccccgcucgcg	ggagucgcgccccgcucgcg	2	0	2	0	gc2
ggagucgcgccccgcucgA	ggagucgcgccccgcucgA	2	1	2	1	Am2
ggagucgcgccccgcucgcu	ggagucgcgccccgcucgcu	2	0	2	0	Am2
ggagucgcgccccgcucg	ggagucgcgccccgcucg	1	0	1	0	nt2
ggagucgcgccccgcucgcgC	ggagucgcgccccgcucgcgC	1	0	1	0	nt2

Star

Mature

gcaaacggaaccggcggcgggagucgcgccccgcgucuccaccaaaccgcgccgcaucccggcgcgagcgggagcgcgcucgucuccgcccgcaccgcaucgacaucu

.....ggagucgcgccccgcucgc.....	1	0	itr
.....ggagucgcgccccgcucgcgA.....	3	1	em2
.....ggagucgcgccccgcucgc.....	1	0	bm2
.....ggagucgcgccccgcucgcg.....	1	0	bm2
.....ggagucgcgccccgcucgcgA.....	1	1	hl2
.....ggagucgcgccccgcucgcgU.....	1	1	ut1
.....ggagucgcgccccgcucgcg.....	1	0	c8t
.....ggagucgcgccccgcucgcgA.....	1	1	ov2
.....Ugagucgcgccccgcucgcg.....	1	1	Tm2
.....ggagucgcgccccgcucgcgU.....	1	1	hi2
.....ggagucgcgccccgcucgcgU.....	1	1	em1
.....ggagucgcgccccgcucgcg.....	1	0	mm2
.....ggagucgcgccccgcucgcgU.....	2	1	mm2
.....ggagucgcgccccgcucgcgC.....	1	0	mm2
.....ggagucgcgccccgcucgcgAu.....	1	1	hr3
.....ggagucgcgccccgcucg.....	1	0	c4t
.....ggagucgcgccccgcucgc.....	1	0	c4t
.....ggagucgcgccccgcucgcg.....	3	0	c4t
.....cgagcgggagcgcgcucguc.....	1	0	c4t
.....ggagucgcgccccgcucgcgA.....	1	1	ay2
.....ggagucgcgccccgcucgcgAu.....	1	1	hr2
.....ggagucgcgccccgcucgcg.....	1	0	pob
.....ggagucgcgccccgcucgcgC.....	1	0	peb
.....cgagcgggagcgcgcucgu.....	1	0	peb
.....ggagucgcgccccgcucgcgU.....	1	1	Tp1
.....ggagucgcgccccgcucgc.....	1	0	mE1
.....ggagucgcgccccgcucgcgC.....	1	0	mE1
.....gucgccccgcucgcgC.....	1	0	mE1
.....ggagucgcgccccgcucg.....	1	0	nb3
.....caaacggaaccggcggcggga.....	1	0	bac
.....cgcgagcgggagcgcgcucguc.....	1	0	bac
.....cgagcgggagcgcgcucguc.....	1	0	ool
.....ggagucgcgccccgcucgcgA.....	2	1	3Ta
.....ggagucgcgccccgcucgcgC.....	1	0	sp1
.....gcgagcgggagcgcgcucgu.....	2	0	li1
.....gcgagcgggagcgcgcucguU.....	1	1	li1
.....cgagcgggagcgcgcucguc.....	3	0	li1
.....cgagcgggagcgcgcucguc.....	3	0	li1
.....gagcgggaUcgcgcucgu.....	1	1	li1
.....ggagucgcgccccgcucgcgAuc.....	1	1	pgr
.....gcgcuccaccaaaccgcgUcauc.....	1	1	pgr
.....ggagucgcgccccgcucgcgCA.....	1	1	li2
.....cgagcgggagcgcgcucguc.....	1	0	li2

Star

Mature

gcaaacggaaccggcggcgggagucgcgucuccgucgcgucuccacccaacgcgcgcaucccgcgcgagcgggagcgcgcucgucuccgcccgcaccgcaucgacaucu			
.....cgagcgggagcgcgcucguc.....	1	0	li2
.....gagcgggagcgcgcucguc.....	2	0	li2
.....ggagucgcgucuccgucgcg.....	1	0	imb
.....ggagucgcgucuccgucgcg.....	1	0	imb
.....ggagucgcgucuccgucgcg.....	1	0	th2
.....ggagucgcgucuccgucgcg.....	1	0	th2
.....ggagucgcgucuccgucgcgU.....	1	1	em3
.....ggagucgcgucuccgucgcg.....	2	0	mm3
.....ggagucgcgucuccgucgcg.....	1	0	mm3
.....ggagucgcgucuccgucgcg.....	1	0	th7
.....cgagcgggagcgcgcucguc.....	1	0	th7
.....ggagucgcgucuccgucgcg.....	1	0	nct
.....ggagucgcgucuccgucgcgA.....	1	1	cx1
.....ggagucgcgucuccgucgcgA.....	2	1	Am1
.....ggagucgcgucuccgucgcgcu.....	1	0	Am1

Star

Mature

ggugcuggagcucggagcggaccgccgguccuccg	guagcccgggcgguugcuuccc	gagagucgcccggggaugcagcgca	cgggcgag	agaagcucaaagcuucccaag			
.....	.....	.....	.....	.....	5	0	gcb
.....	.....	.....	.....	.....	1	0	ut2
.....	.....	.....	.....	.....	1	1	ut2
.....	.....	.....	.....	.....	1	1	ut2
.....	.....	.....	.....	.....	1	1	ut2
.....	.....	.....	.....	.....	1	1	ut2
.....	.....	.....	.....	.....	2	1	ut2
.....	.....	.....	.....	.....	1	1	ut2
.....	.....	.....	.....	.....	5	1	ut2
.....	.....	.....	.....	.....	3	0	ut2
.....	.....	.....	.....	.....	1	1	ut2
.....	.....	.....	.....	.....	1	0	kdn
.....	.....	.....	.....	.....	1	0	kdn
.....	.....	.....	.....	.....	1	0	kdn
.....	.....	.....	.....	.....	1	0	kdn
.....	.....	.....	.....	.....	1	0	kdn
.....	.....	.....	.....	.....	1	0	h11
.....	.....	.....	.....	.....	3	1	h11
.....	.....	.....	.....	.....	1	1	h1c
.....	.....	.....	.....	.....	1	1	h1c
.....	.....	.....	.....	.....	1	1	h1c
.....	.....	.....	.....	.....	10	1	h1c
.....	.....	.....	.....	.....	1	1	h1c
.....	.....	.....	.....	.....	1	1	h1c
.....	.....	.....	.....	.....	1	0	mus
.....	.....	.....	.....	.....	1	0	mus
.....	.....	.....	.....	.....	2	0	itr
.....	.....	.....	.....	.....	7	0	itr
.....	.....	.....	.....	.....	5	0	itr
.....	.....	.....	.....	.....	4	0	itr
.....	.....	.....	.....	.....	1	1	em2
.....	.....	.....	.....	.....	1	0	bm2
.....	.....	.....	.....	.....	3	0	bm2
.....	.....	.....	.....	.....	1	0	bm2
.....	.....	.....	.....	.....	1	0	bm2
.....	.....	.....	.....	.....	1	1	br2
.....	.....	.....	.....	.....	1	1	br2
.....	.....	.....	.....	.....	1	1	Tm2
.....	.....	.....	.....	.....	1	0	hi2
.....	.....	.....	.....	.....	1	1	hi2
.....	.....	.....	.....	.....	1	0	hi2
.....	.....	.....	.....	.....	1	0	hi2
.....	.....	.....	.....	.....	1	0	em1
.....	.....	.....	.....	.....	1	0	em1
.....	.....	.....	.....	.....	13	0	ntr
.....	.....	.....	.....	.....	1	0	ntr
.....	.....	.....	.....	.....	7	0	ntr
.....	.....	.....	.....	.....	1	0	ntr
.....	.....	.....	.....	.....	1	1	hr3
.....	.....	.....	.....	.....	1	1	ay2
.....	.....	.....	.....	.....	1	0	hi1
.....	.....	.....	.....	.....	1	1	hi1
.....	.....	.....	.....	.....	1	1	hi1
.....	.....	.....	.....	.....	1	0	tp2

Star

Mature

ggugcuggagcucggagcggaccgccggucucccgagaccggggcggugcuccccgagagucgcccggggaugcagcgcacggggcgagagaagcuccaaagcuucccaag			
.gugcuggagcucggagcggaccgcg.....	1	0	TP2
.....gaucagcgcacggggcgaga.....	1	0	TP1
.....gaucagcgcacggggcgagagU.....	2	1	TP1
.....aucagcgcacggggcgag.....	1	0	TP1
.....gaucagcgcacggggcgagag.....	1	0	nb3
.....gaucagcgcacggggcgag.....	2	0	bac
.....gaucagcgcacggggcgaga.....	1	0	bac
.....gaucagcgcacggggcgagag.....	1	0	bac
.....gaucagcgcacggggcgagaga.....	2	0	bac
.....gaucagcgcacggggcgag.....	2	0	sp1
.....gaucagcgcacggggcgaga.....	1	0	sp1
.....gaucagcgcacggggcgagag.....	7	0	sp1
.....aucagcgcacggggcgagagaag.....	1	0	sp1
.....ugggaucagcgcacggggcga.....	1	0	3Ta
.....Cggaucagcgcacggggcgaga.....	1	1	3Ta
.....ggaucagcgcacggggcgaga.....	1	0	3Ta
.....gaucagcgcacggggcgaga.....	4	0	3Ta
.....gaucagcgcacggggcgagag.....	2	0	3Ta
.....gaucagcgcacggggcgagaU.....	1	1	3Ta
.....gaucagcCcacggggcgagag.....	1	1	3Ta
.....gaucagcgcacggggcgagaga.....	1	0	3Ta
.....gaucagcgcacggggcgagagU.....	14	1	3Ta
.....gaucagcgcacggggcgagagaU.....	1	1	3Ta
.....gaucagcgcacggggcgagagUa.....	3	1	3Ta
.....cucggagcggaccgccggucucc.....	1	0	li2
.....uuccccgaUagucgccguggau.....	1	1	li2
.....gaucagcgcacggggcgagag.....	1	0	li2
.....gaucagcgcacggggcgagaU.....	1	1	li2
.....gaucagcgcacggggcgagagU.....	2	1	li2
.....gaucagcgcacggggcgagaa.....	1	1	li2
.....gaucagcgcacggggcgag.....	3	0	imb
.....gaucagcgcacggggcgaga.....	8	0	imb
.....gaucagcgcacggggcgagag.....	25	0	imb
.....gaucagcgcacggggcgagaga.....	5	0	imb
.....gaucagcgcacggggcgagagaa.....	2	0	imb
.....ggaucagcgcacggggcgag.....	1	0	bm1
.....gaucagcgcacggggcgag.....	6	0	bm1
.....gaucagcgcacggggcgaga.....	2	0	bm1
.....gaucagcgcacggggcgagag.....	7	0	bm1
.....gaucagcgcacggggcgagaga.....	5	0	bm1
.....gaucagcgcacggggcgagagaa.....	1	0	bm1
.....ggaucagcgcacggggcgagaU.....	1	1	em3
.....gaucagcgcacggggcgagagU.....	3	1	em3
.....gaucagcgcacggggcgagagaa.....	1	0	mm3
.....gucgccgugggaucagcgc.....	2	0	cx1
.....gaucagcgcacggggcgagaga.....	1	0	cx1
.....gaucagcgcacggggcgagagU.....	3	1	cx1
.....cagcgcacggggcgagagU.....	1	1	cx1
.....cacggggcgagagaagcuc.....	1	0	cx1
.....ggaucagcgcacggggcgaga.....	1	0	3T3
.....gaugcaCcgccacggggcgagag.....	1	1	3T3
.....gaucagcgcacggggcgagaa.....	1	1	3T3
.....gaucagcgcacggggcgagagU.....	17	1	3T3
.....gaucagcgcacggggcgagaga.....	10	0	3T3
.....gaucagcgcacggggcgag.....	2	0	mdc
.....gaucagcgcacggggcgagag.....	3	0	mdc
.....ugggaucagcgcacggggcgagU.....	1	1	CFU

Star

Mature

ggugcuggagcucggagcggaccocggucucccguagcccgggcgguugcuucccggagagucgcccggggaugcagcgcacgggcgagagaagcuccaaagcuucccaag			
.....ggaugcagcgcacgggcgagU.....	2	1	CFU
.....ggaugcagcgcacgggcgaga.....	1	0	CFU
.....gaugcagcgcacgggcgag.....	1	0	CFU
.....gCugcagcgcacgggcgagag.....	2	1	CFU
.....gaugcagcgcacgggcgagag.....	4	0	CFU
.....gaugcagcgcacgggcgagaA.....	2	1	CFU
.....gaugcagcgcacgggcgagagU.....	7	1	CFU
.....gaugcagcgcacgggcgCgaga.....	1	1	CFU
.....gaugcagcgcacgggcgagaga.....	3	0	CFU
.....gaugcagcgcacgggcgag.....	3	0	48t
.....gCagcgcacgggcgagagaagcu.....	1	0	48t
.....gaugcagcgcacgggcgaga.....	1	0	mzb
.....gaugcagcgcacgggcgagag.....	3	0	mzb
.....gaugcagcgcacgggcgagaga.....	2	0	mzb
.....gaugcagcgcacgggcgagag.....	1	0	SSC
.....gaugcagcgcacgggcgaga.....	1	0	hr1
.....ugggaugcagcgcacgggcga.....	1	0	pcl
.....ugggaugcagcgcacgggcgag.....	1	0	pcl
.....ggaugcagcgcacgggcgaga.....	1	0	pcl
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.....gaugcagcgcacgggcgag.....	12	0	gc2
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.....gaugcagcgcacgggcgagag.....	8	0	gc2
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.....gaugcagcgcacgggcgag.....	1	0	sp2
.....gaugcagcgcacgggcgaga.....	3	0	sp2
.....gaugcagcgcacgggcgagag.....	6	0	sp2
.....gaugcagcgcacgggcgagaga.....	2	0	sp2
.....gaugcagcgcacgggcgag.....	3	0	skn
.....gaugcagcgcacgggcgaga.....	1	0	skn
.....gaugcagcgcacgggcgagag.....	3	0	skn
.....gaugcagcgcacgggcgagaga.....	1	0	skn
.....gaugcagcgcacgggcgag.....	4	0	nt2
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.....gaugcagcgcacgggcgagag.....	2	0	nt2
.....ucggagcggaccocgggu.....	1	0	mE8
.....guagcccgggcgguuc.....	1	0	mE8
.....gcUgugggaugcagcgc.....	1	1	mE8
.....ggaugcagcgcacgggcgaga.....	2	0	mE8
.....gaugcagcgcacgggcgaga.....	1	0	mE8
.....gaugcagcgcacgggcgagaU.....	5	1	mE8
.....gaugcagcgcacgggcgagag.....	2	0	mE8
.....gaugcagcgcacgggcgagaga.....	4	0	mE8
.....gaugcagcgcacgggcgagagC.....	1	1	mE8
.....gaugcagcgcacgggcgagagG.....	1	1	mE8
.....gaugcagcgcacgggcgagCga.....	1	1	mE8
.....gaugcagcgcacgggcgagagU.....	17	1	mE8
.....ggaugcagcgcacgggcgagaU.....	1	1	h12
.....gaugcagcgcacgggcgagaU.....	4	1	h12
.....gaugcagcgcacgggcgagag.....	1	1	h12
.....gaugcagcgcacgggcgagag.....	1	1	h12
.....gaugcagcgcacgggcgagag.....	4	0	h12
.....gaugcagcgcacgggcgagaga.....	2	0	h12
.....gaugcagcgcacgggcgagagU.....	8	1	h12
.....gaugcagcgcacgggcgagagaa.....	1	0	h12
.....gaugcagcgcacgggcgagagaaU.....	1	1	h12
.....gaugcagcgcacgggcgagagU.....	2	1	je2

Star

Mature

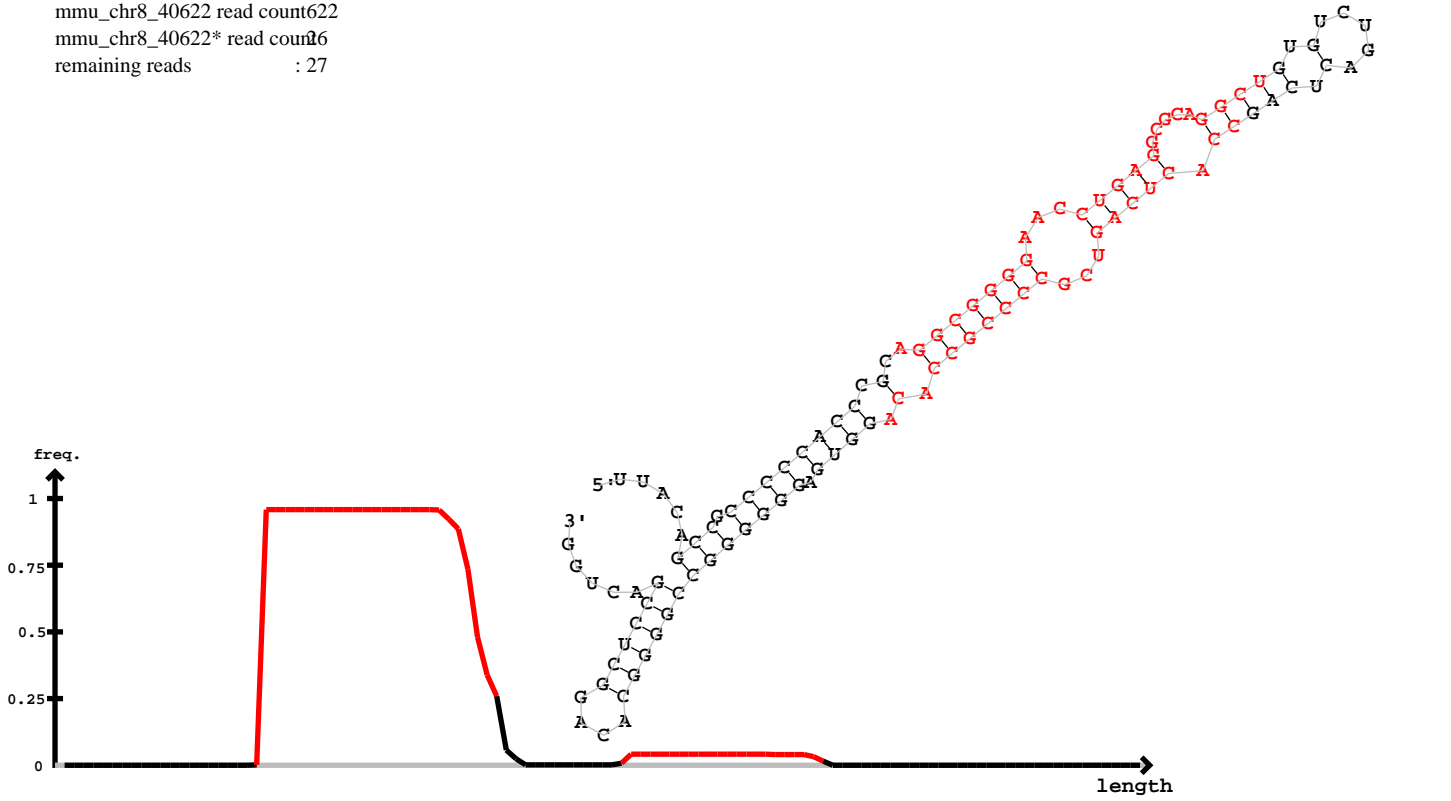
ggugcuggagcucggagcggaccgccggucucccgagaccggggcgugcuucccgagagucgcccggggaugcagcgcacggggcgagagaU	1	1	je2
.....gaugcagcgcacggggcgagagaU.....	7	0	c8t
.....gaugcagcgcacggggcgagaga.....	3	0	c8t
.....gaugcagcgcacggggcgagaga.....	2	0	c8t
.....gaugcagcgcacggggcgagaga.....	1	0	c8t
.....gaugcagcgcacggggcgagagaUa.....	1	1	ut1
.....gaugcagcgcacggggcgagagaU.....	3	1	ut1
.....gaugcagcgcacggggcgagaga.....	3	0	ut1
.....gaugcagcgcacggggcgagagaa.....	1	0	ut1
.....gaugcagcgcacggggcgagaga.....	2	0	nt1
.....gaugcagcgcacggggcgagaga.....	1	0	nt1
.....ggaugcagcgcacggggcgagaga.....	1	0	c4t
.....gaugcagcgcacggggcgagaga.....	4	0	c4t
.....gaugcagcgcacggggcgagaga.....	4	0	c4t
.....gaugcagcgcacggggcgagaga.....	4	0	c4t
.....gaugcagcgcacggggcgagagaa.....	1	0	c4t
.....ggaugcagcgcacggggcgagaga.....	2	0	pob
.....gaugcagcgcacggggcgagaga.....	3	0	pob
.....gaugcagcgcacggggcgagaga.....	2	0	pob
.....gaugcagcgcacggggcgagaga.....	6	0	pob
.....gaugcagcgcacggggcgagagaa.....	2	0	pob
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.....gaugcagcgcacggggcgagaga.....	1	0	peb
.....gaugcagcgcacggggcgagaga.....	9	0	peb
.....gaugcagcgcacggggcgagaga.....	11	0	peb
.....gaugcagcgcacggggcgagaga.....	4	0	peb
.....gaugcagcgcacggggcgagagaa.....	1	0	peb
.....gaugcagcgcacggggcgagaga.....	4	0	mbm
.....gaugcagcgcacggggcgagaga.....	7	0	mbm
.....gaugcagcgcacggggcgagagaU.....	1	1	ool
.....gaugcagcgcacggggcgagaga.....	1	0	ool
.....gagagucgcccugggaug.....	1	0	li1
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.....gaugcagcgcacggggcgagaga.....	1	0	li1
.....gaugcagcgcacggggcgagagaU.....	6	1	li1
.....gaugcagcgcacggggcgagagaU.....	2	1	li1
.....gagagucgcccugggaugc.....	1	0	th2
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.....gaugcagcgcacggggcgagaga.....	6	0	th2
.....gaugcagcgcacggggcgagaga.....	1	0	th2
.....gaugcagcgcacggggcgagaga.....	4	0	sg1
.....gaugcagcgcacggggcgagaga.....	1	0	sg1
.....gaugcagcgcacggggcgagaga.....	7	0	nt4
.....gaugcagcgcacggggcgagaga.....	2	0	nt4
.....ggaugcagcgcacggggcgagaga.....	1	0	th7
.....ggaugcagcgcacggggcgagaga.....	2	0	th7
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.....gaugcagcgcacggggcgagaga.....	4	0	th7
.....gaugcagcgcacggggcgagaga.....	1	0	th7
.....ugggaugcagcgcacggggcgagaga.....	1	0	nct
.....ugggaugcagcgcacggggcgagaga.....	1	0	nct
.....ggaugcagcgcacggggcgagaga.....	1	0	nct
.....gaugcagcgcacggggcgagaga.....	6	0	nct
.....gaugcagcgcacggggcgagaga.....	1	0	nct

Star

Mature

ggugcuggagcucggagcggaccgccgguccuccg <u>uagcccg</u> ggcggu <u>gcuuccc</u> gagagucg <u>ccg</u> ugggaugcagcgca <u>cg</u> ggcgagagaagcuccaaagcuuccaag			
.....gaugcagcgca <u>cg</u> ggcgagag.....	1	0	nct
.....gaugcagcgca <u>cg</u> ggcgagaga.....	1	0	nct
.....ugcagcgca <u>cg</u> ggcgagag.....	1	0	nct
ggugcuggagcucggagc.....	1	0	Aml

miRBase precursor : mmu_chr8_40622
Total read count : 649
mmu_chr8_40622 read count 622
mmu_chr8_40622* read count 26
remaining reads : 27



mmu_chr8_40622

mmu_chr8_40622*

5' -		-3'	exp	reads	mm	sample
uuaacagccgccccaccgcaggcggggaaccugaggcgcagcugugucugacucagccacucagucgccccgccacaaggugaggggggcggggcacaggcuccgacugg						
.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....(((.....)))....						
.....aggcggggaaccugaggcgcag.....				1	0	E15
.....aggcggggaaccugaggcgcagg.....				1	0	E15
.....aggcggggaaccugaggcgcagA.....				1	1	E15
.....caggcggggaaccugaggcgcag.....				1	0	nkc
.....aggcggggaaccugaggcgc.....				2	0	nkc
.....aggcggggaaccugaggcgc.....				1	0	nkc
.....aggcggggaaccugaggcgcga.....				4	0	nkc
.....aggcggggaaccugaggcgcag.....				19	0	nkc
.....aggcggggaaccugaggcgcagg.....				15	0	nkc
.....aggcggggaaccugaggcgcaggc.....				9	0	nkc
.....aggcggggaaccugaggcgcaggcu.....				18	0	nkc
.....aggcggggaaccugaggcgcaggcug.....				4	0	nkc
.....aggcggggaaccugaggcgcaggcugu.....				1	0	nkc
.....aggcggggaaccugaggcgcaggcugu.....				3	0	3T3
.....aggcggggaaccugaggcgcga.....				1	0	mdc
.....aggcggggaaccugaggcgcag.....				3	0	mdc
.....aggcggggaaccugaggcgcagg.....				2	0	mdc
.....aggcggggaaccugaggcgcaggcu.....				3	0	mdc
.....aggcggggaaccugaggcgcaggcug.....				2	0	mdc
.....aggcggggaaccugaggcgcagg.....				1	0	CFU
.....aggcggggaaccugaggcgcaggcu.....				1	0	CFU
.....agCggggaaccugaggcgcaggcu.....				1	1	CFU
.....ccacucagucgccccgccacU.....				2	1	CFU
.....aggcggggaaccugaggcgc.....				1	0	48t
.....aggcggggaaccugaggcgc.....				3	0	48t
.....aggcggggaaccugaggcgcga.....				5	0	48t
.....aggcggggaaccugaggcgcag.....				10	0	48t
.....aggcggggaaccugaggcgcagg.....				1	0	48t
.....aggcggggaaccugaggcgcaggc.....				1	0	48t

uuacagccgccccaccgcaggcggggaaccugagggcgaggcugugucugacucagccaacucagucgccccgccacaggugaggggggccccgggacaggcuccgacugg

.....aggcggggaaccugagggcgaggcu.....	5	0	48t
.....aggcggggaaccugagggcgaggcugu.....	1	0	48t
.....ccacucagucgccccgccca.....	1	0	48t
.....ccacucagucgccccgccac.....	1	0	48t
.....aggcggggaaccugagggcgaggc.....	1	0	SSC
.....aggcggggaaccugagggcgagg.....	1	0	mzb
.....aggcggggaaccugagggcgaggcu.....	1	0	mzb
.....aggcggggaaccugagggcgaggcu.....	3	0	t11
.....ccacucagucgccccgccacU.....	2	1	t11
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.....ccacucagucgccccgccac.....	1	0	gcb
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.....aggcggggaaccugagggcgaggA.....	1	1	ut2
.....aggcggggaaccugagggcgaggcu.....	1	0	ut2
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.....aggcggggaaccugagggcgag.....	2	0	gc2
.....aggcggggaaccugagggcgagg.....	1	0	gc2
.....aggcggggaaccugagggcgaggc.....	3	0	gc2
.....aggcggggaaccugagggcgaggcu.....	5	0	gc2
.....aggcggggaaccugagggcgaggcug.....	1	0	gc2
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.....aggcggggaaccugagggcgca.....	1	0	pe1
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.....aggcggggaaccugagggcgaggc.....	1	0	pe1
.....aggcggggaaccugagggcgaggcu.....	2	0	pe1
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.....aggcggggaaccugagggcgca.....	1	0	h1c
.....aggcggggaaccugagggcgag.....	1	0	h1c
.....aggcggggaaccugagggcgagg.....	1	0	h1c
.....aggcggggaaccugagggcgagU.....	1	1	h1c
.....aggcggggaaccugagggcg.....	1	0	sp2
.....aggcggggaaccugagggcg.....	1	0	sp2
.....aggcggggaaccugagggcgca.....	2	0	sp2
.....aggcggggaaccugagggcgag.....	3	0	sp2
.....aggcggggaaccugagggcgagg.....	2	0	sp2
.....aggcggggaaccugagggcgaggc.....	1	0	sp2
.....aggcggggaaccugagggcgaggcu.....	4	0	sp2
.....aggcggggaaccugagggcgaggcug.....	1	0	sp2
.....aggcggggaaccugagggcg.....	1	0	mus
.....aggcggggaaccugagggcgag.....	1	0	mus
.....aggcggggaaccugagggcgaggc.....	1	0	mus
.....aggcggggaaccugagggcgca.....	2	0	nt2
.....aggcggggaaccugagggcgca.....	1	0	skn

uuacagcgcgccccaccgcaggcggggaaccugagggcgagggcugugucugacucagccaacucagucgccccgccacaggugaggggggccccgggacagggcuccgacugg

.....aggcggggaaccugagggcgag.....	1	0	skn
.....aggcggggaaccugagggcgagg.....	1	0	skn
.....aggcggggaaccugagggcgc.....	1	0	itr
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.....aggcggggaaccugagggcgaggc.....	1	0	itr
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.....aggcggggaaccugagggcgaggcu.....	1	0	ut1
.....aggcggggaaccugagggcgca.....	4	0	c8t
.....aggcggggaaccugagggcgag.....	2	0	c8t
.....aggcggggaaccugagggcgaggc.....	1	0	c8t
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.....aggcggggaaccugagggcgaggcu.....	1	0	hi2
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.....aggcggggaaccugagggc.....	1	0	Tm2
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.....aggcggggaaccugagggcgca.....	1	0	c4t
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.....aggcggggaaccugagggcgagg.....	5	0	c4t
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.....aggcggggaaccugagggcgc.....	2	0	pob
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.....aggcggggaaccugagggcgca.....	8	0	peb
.....aggcggggaaccugagggcgag.....	10	0	peb
.....aggcggggaaccugagggcgagg.....	3	0	peb
.....aggcggggaaccugagggcgaggc.....	4	0	peb
.....aggcggggaaccugagggcgaggcu.....	5	0	peb

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.....gccacucagucgccccgccac.....	2	0	peb
.....ccacucagucgccccgccac.....	1	0	peb
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.....aggcggggaaccugagggcgagA.....	1	1	Tp1
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.....aggcggggaaccugagggcgag.....	2	0	bac
.....aggcggggaaccugagggcgaggg.....	1	0	bac
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.....aggcggggaaccugagggcgaggg.....	1	0	mbm
.....aggcggggaaccugagggcgagA.....	1	1	3Ta
.....aggcggggaaccugagggcg.....	2	0	sp1
.....aggcggggaaccugagggcgca.....	1	0	sp1
.....aggcggggaaccugagggcgag.....	2	0	sp1
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.....ccacucagucgccccgccU.....	1	1	li2
.....aggcggggaaccugagggcg.....	1	0	li1
.....aggcggggaaccugagggcgca.....	3	0	li1
.....aggcggggaaccugagggcgagggcugu.....	1	0	li1
.....aggcggggaaccugagggcg.....	1	0	imb
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.....aggcggggaaccugagggcgca.....	1	0	bm1
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.....aggcggggaaccugagggcgaggg.....	5	0	bm1
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.....aggcggggaaccugagggcgagggc.....	3	0	sg1
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.....aggcggggaaccugagggcgagggcu.....	2	0	nt4
.....aggcggggaaccugagggcgag.....	1	0	Tm1

uuacagcgcgccccaccgcaggcggggaaccugaggcgcaggcugugucugacucagccaacucagucgccccgccacaaggugaggggggccccgggacaggcuccgacugg

.....aggcggggaaccugaggcg.....	2	0	th7
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.....aggcggggaaccugaggcgca.....	2	0	th7
.....aggcggggaaccugaggcgcag.....	7	0	th7
.....aggcggggaaccugaggcgcagg.....	4	0	th7
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.....aggcggggaaccugaggcgcaggcu.....	1	0	th7
.....ccacucagucgccccgccac.....	1	0	th7
.....ccacucagucgccccgccacU.....	1	1	cx1
.....aggcggggaaccugaggcg.....	3	0	nct
.....aggcggggaaccugaggcgca.....	7	0	nct
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.....aggcggggaaccugaggcgc.....	1	0	Am1

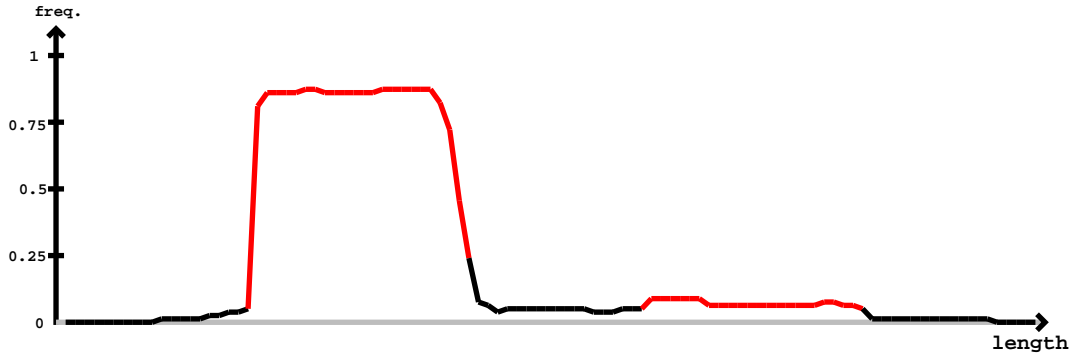
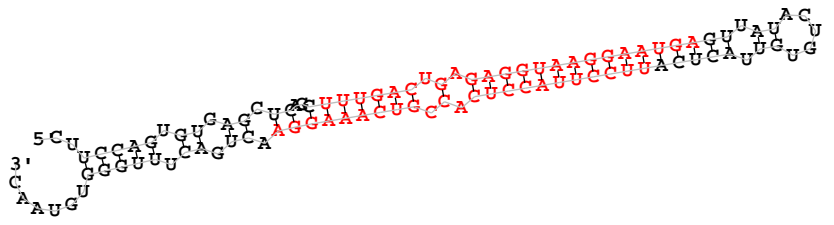
Mature

Star

gaacaggugcaaaaauuaaauccucuugcaaccagaacauugcucaguuagaguuuugauauaacaagaaggaauauaagcacaagguguuauugaaucauu

..... <u>auccucuugcaaccagaa</u>	1	0	48t
..... <u>auauacaagaaggaauaagcacaG</u>	1	1	mE8
..... <u>auccucuugcaaccagaa</u> ca.....	1	0	gc8
..... <u>auccucuugcaaccagaa</u> cu.....	2	0	t11
..... <u>auugcucaguuaga</u> guuuugauauaaca <u>Cgaagga</u>	1	1	t11
..... <u>auccucuugcaaccagaa</u>	4	0	c4t
..... <u>auccucuugcaaccagaa</u> c.....	2	0	c4t
..... <u>auccucuugcaaccagaa</u> cu.....	1	0	pob
..... <u>auccucuugcaaccagaa</u> ca.....	1	0	pob
..... <u>cuugcaaccagaa</u> cu.....	1	0	pob
..... <u>auccucuugcaaccagaa</u>	7	0	gc2
..... <u>auccucuugcaaccagaa</u> c.....	1	0	gc2
..... <u>auccucuugcaaccagaa</u> cu.....	1	0	gc2
..... <u>auccucuugcaaccagaa</u>	4	0	pc1
..... <u>auccucuugcaaccagaa</u> c.....	1	0	pc1
..... <u>auccucuugcaaccagaa</u> cu.....	1	0	mE1
..... <u>guuuugauauaacaagaagga</u> au.....	1	0	mE1
..... <u>auccucuugcaaccagaa</u> cu.....	1	0	bac
..... <u>auccucuugcaaccagaa</u>	1	0	mus
..... <u>aGugcucaguuaga</u> uu.....	1	1	Am2
..... <u>auccucuugcaaccagaa</u> ca.....	1	0	li2
..... <u>guuuugauauaacaagaa</u> Ugaaau.....	2	1	li2
..... <u>auccucuugcaaccagaa</u>	2	0	nt2
..... <u>auccucuugcaaccagaa</u>	2	0	itr
..... <u>auccucuugcaaccagaa</u>	8	0	th2
..... <u>auccucuugcaaccagaa</u> c.....	1	0	th2
..... <u>auccucuugcaaccagaa</u>	1	0	mE8
..... <u>auccucuugcaaccagaa</u> cu.....	1	0	mE8
..... <u>auccucuugcaaccagaa</u> ca.....	2	0	mE8
..... <u>auccucuugcaaccagaa</u> c.....	1	1	mE8
..... <u>aguuugauauaacaagaagga</u> au.....	1	0	mE8
..... <u>auccucuugcaaccagaa</u> cu.....	1	0	h12
..... <u>auccucuugcaaccagaa</u> c.....	1	0	Tm1
..... <u>auccucuugcaaccagaa</u>	1	0	c8t

miRBase precursor : mmu_chrX_38038
 Total read count : 79
 mmu_chrX_38038 read count 66
 mmu_chrX_38038* read count 13
 remaining reads : 9



mmu_chrX_38038

mmu_chrX_38038*

5'	mmu_chrX_38038	mmu_chrX_38038*	-3'	exp	reads	mm	sample
..((((((.....)))))).....	uuugacugagagguaaggaau	uuugacugagagguaaggaau			1	0	mdc
.....cugagagguaaggaugagG.....					1	1	mdc
.....uuugacugagagguaaggaau					1	0	48t
.....uuugacugagagguaaggaauU.....					1	1	SSC
.....uuugacugagagguaaggaau					1	0	SSC
.....uuugacugagagguaaggaau					2	0	lun
.....uuugacugagagguaaggaau					1	0	ut2
.....uuugacugagagguaaggaau					1	0	je1
.....uuugacugagagguaaggaau					2	0	gc2
.....uuugacugagagguaaggaau					1	0	pcl
.....uuugacugagagguaaggaau					1	0	pcl
.....auacuguguaucucuu					2	0	pcl
.....uuugacugagagguaaggaau					1	0	skn
.....uuugacugagagguaaggaau					1	0	skn
.....uuugacugagagguaaggaau					1	0	nt2
.....uuugacugagagguaaggaau					1	0	nt2
.....uuugacugagagguaaggaau					2	0	nt2
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.....uuugacugagagguaaggaau					1	0	itr
.....uuugacugagagguaaggaau					1	0	itr
.....uuugacugagagguaaggaau					1	0	itr
.....uauucuuaccucaccguaaa					1	0	em2

cuuccagugagagcucagcuuugacugagagguuaggaugaguuauacuguguuacucauuccuuaccucaccgucaaaggaacugacuuuuggguguaac

.....uuugacugagagguuaggaau.....	1	0	h12
.....uuugacugagagguuaggaau.....	1	0	je2
.....uuugacugagagguuaggaau.....	1	0	c8t
.....uuugacugagagguuaggaauga.....	2	0	c8t
.....uuugacugagagguuaggaau.....	2	0	ut1
.....uuCgacugagagguuaggaau.....	1	1	ut1
.....uuugacugagagguuaggaauU.....	1	1	ut1
.....uuugacugagagguuaggaau.....	1	0	ut1
.....uuccuuaccucaccgucaaagga.....	1	0	br2
.....uuugacugagagguuaggaauU.....	1	1	Tm2
.....uaaggaugaguuauacugugu.....	1	0	Tm2
.....uuugacugagagguuaggaau.....	1	0	pan
.....uuccuuaccucaccgucaaagg.....	1	0	mm2
.....uuccuuaccucaccgucaaagga.....	1	0	mm2
.....uuugacugagagguuagga.....	1	0	c4t
.....uuugacugagagguuaggaauga.....	1	0	c4t
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.....uuugacugagagguuaggaauU.....	1	1	tp2
.....uuugacugagagguuaggaauuguu.....	1	0	tp1
.....uuugacugagagguuagga.....	1	0	bac
.....uuugacugagagguuagga.....	1	0	bac
.....uuugacugagagguuaggaau.....	1	0	bac
.....uuugacugagagguuaggaau.....	1	0	3Ta
.....uuugacugagagguuaggaau.....	2	0	sp1
.....agcuuuugacugagagguuaggaauugagu.....	1	0	li1
.....uuugacugagagguuagga.....	1	0	bm1
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.....uuugacugagagguuagga.....	1	0	th2
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.....uuugacugagagguuaggaauga.....	1	0	th2
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.....ucagcuuuugacugagagguuaggaau.....	1	0	Tm1
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.....ugagcucaA <u>cuuugacu</u>	1	1	Am1
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Mature

Star

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.....uacaagagaacugaucagugcugU.....	2	1	Tm2
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Mature

Star

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.....acugaucagucgugaagu.....	2	0	hil
.....uacaagagaacugaucagucgug.....	1	0	pob
.....uacaagagaacugaucagucguga.....	1	0	pob
.....uacaagagaacugaucagucgugaa.....	1	0	pob
.....acaagagaacugaucagucgug.....	1	0	pob
.....acaagagaacugaucagucguga.....	4	0	pob
.....uacaagagaacugaucagucgug.....	1	0	peb
.....acaagagaacugaucagucgug.....	1	0	peb
.....ucacuggucgucucuuuc.....	1	0	peb
.....uacaagagaacugaucagucgugU.....	1	1	Tp1
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.....ucacuggucgucucuuuac.....	1	0	bac
.....uacaagagaacugaucagucguga.....	2	0	3Ta
.....uacaagagaacugaucagucg.....	1	0	sp1
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Mature

Star

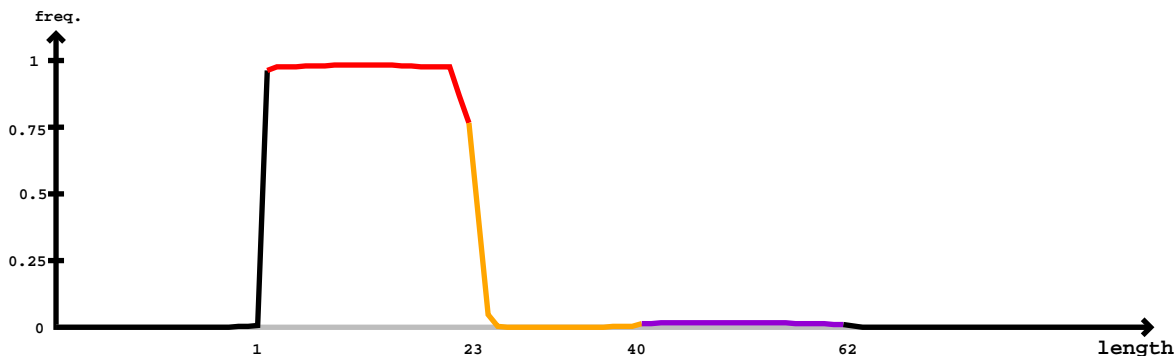
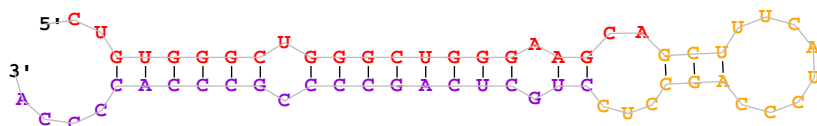
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.....gaacugaucagugcugaagu.....	3	0	cx1
.....acugaucagugcugaagu.....	3	0	cx1
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.....acaagagaacugaucagugc.....	2	0	nct
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.....acaagagaacugaucagugcug.....	1	0	nct
.....ucacuggucgcucucuuuca.....	1	0	nct

Mature

Star

caucuccuuaaaggcuuugaugcagugcccuauuuagaaaugguacugaugugaaauaaaaauugaucagggccuuucugaguaaggcuuaccaccuucuacguuu

Provisional ID : chrX_47993
 Score total : 153.9
 Score for star read(s) : 3.9
 Score for read counts : 143.4
 Score for mfe : 2
 Score for randfold : 1.6
 Score for cons. seed : 3
 Total read count : 293
 Mature read count : 289
 Loop read count : 0
 Star read count : 4



Mature **Star**

5' -	obs	mm	sample
cgaaccaaaagacggugagugcugugggcugggcugggaagcagcuuucacuccagcucugcucagccccgccacccca	reads	mm	sample
cgaaccaaaagacggugagugcugugggcugggcugggaagcagcuuucacuccagcucugcucagccccgccacccca	1	0	sp1
.....cugugggcugggcugggaagc.....	1	1	3T3
.....cugugggcugggcugggaagU.....	2	1	3T3
.....cugugggcugggcugggaag.....	5	0	3T3
.....cugugggcugggcugggaagU.....	2	1	3T3
.....cugugggcugggcugggaagc.....	5	0	3T3
.....cugugggcugggcugggaagA.....	3	1	3T3
.....cugugggcugggcugggaagGa.....	1	1	3T3
.....cugugggcugggcugggaagca.....	12	0	3T3
.....cugugggcugggcugggaagcaU.....	4	1	3T3
.....cugugggcugggcugggaagcaA.....	2	1	3T3
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.....cugugggcugggcuggggCagcag.....	1	1	3T3
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Mature

Star

cgaaccaagacggugagugcugugggcugggcugggaagcagcuuuc <u>cauccagccuc</u> cugcucagccccgccccccccccccccccccuucgcccucggccuaaggua			
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.....cugggcAgggaagcagcu.....	1	1	bac
.....cugugggcugggcugggaagcag.....	1	0	sp2
.....cugugggcugggcugggCag.....	1	1	h11

Supplemental references

1. **Babiarz, J.E., Ruby, J.G., Wang, Y., Bartel, D.P. and Blelloch, R. (2008) Mouse ES cells express endogenous shRNAs, siRNAs, and other Microprocessor-independent, Dicer-dependent small RNAs. *Genes & development*, 22, 2773-2785.**
2. **Leung, A.K., Young, A.G., Bhutkar, A., Zheng, G.X., Bosson, A.D., Nielsen, C.B. and Sharp, P.A. (2011) Genome-wide identification of Ago2 binding sites from mouse embryonic stem cells with and without mature microRNAs. *Nature structural & molecular biology*, 18, 237-244.**
3. **Cheloufi, S., Dos Santos, C.O., Chong, M.M. and Hannon, G.J. (2010) A dicer-independent miRNA biogenesis pathway that requires Ago catalysis. *Nature*, 465, 584-589.**