

egr-bantam

hairpin:

CGGCCUUUCUCGCGUUCUGAGAGCGUAAUUCUUUAGUUAACUACCGCCUUCUGAGAUCGCGAUUACAGCUGAU

mature:

UGAGAUCGCGAUUACAGCUGAU

ENERGY = -23.5

total reads	mature	loop	star
375292	374999	15	278

Bases 1 to 75

```
      10      20      30
--   UUUC   U  G  --   ----|  UC
    CGGCU   UCGCG UCU AGA GCG   UAAU  U
    GUCGA   AGCGC AGA UCU CGC   AAUUG  U
UA   CAUU   U  G  UC  CAUCA^  AU
    70      60      50      40
```

***** * ****

sj-bantam	UGAGAUCGCGAUUAAAGCUGGU
sma-bantam	UGAGAUCGCGAUUAAAGCUGGU
egr-bantam	UGAGAUCGCGAUUACAGCUGAU
sme-bantam-b-3p	UGAGAUCACUGCGAAAGCUGAU
sme-bantam-a	UGAGAUCACUAUGAAAGCUGG-
sme-bantam-c-3p	UGAGAUCAUUUGAAAGCUUUU

egr-miR-61

hairpin:

CGUGAGGCCUUUCUUGUGCAUGGAUAAUGAGGGGUCUUUAAAGCCUCGACCAUGACUAGAAAGAGCACUCACAUCC

mature:

UGACUAGAAAGAGCACUCACAUCC

ENERGY = -30.5

total reads	mature	loop	star
273328	272555	1	772

Bases 1 to 76

```
      10      20      30
C--- -| C   U  G   AUAUGA   CU
    GUGAG GC CUUUCU GU CAUGG   GGGGU  U
    CACUC CG GAAAGA CA GUACC   CUCCG  U
CCUA  A^ A   U  -   AG-----  AA
    70      60      50      40
```

```

***** * **
egr-miR-61      UGACUAGAAAAGACACACAUC
sja-miR-61      UGACUAGAAAAGUCACACACU--
sma-miR-61      UGACUAGAAAAGUCACACACU--
cte-miR-2720-3p UGACUAGAGAGUUUACUCAUC--
sme-miR-61a-3p  UGACUAGAAAAGUUCACUUACUGU-
sme-miR-61b-3p  UGACUAGAAUGUUCACCUUCUU-

```

egr-miR-31

```

hairpin:
UGGCAAGAUACUGGCGAAGCUGAGGGGUCAAGUAAUCGUCAGCUUCGUCUGGUCUUGCUGC
mature:
UGGCAAGAUACUGGCGAAGCUGA

```

ENERGY = -32.4

total reads	mature	loop	star
126020	124603	48	1369

Bases 1 to 61

```

      10      20      30
U-|   ACU           G  GUCA
  GGCAAGAU  GGCGAAGCUGA  GG  \
  UCGUUCUG  CUCUUCGACU  CU  A
CG~   GU-           G  AAUG
60     50           40

```

```

***** *** * **
cte-miR-31      AGGCAAGAUUGGCAUAGCU--
lgi-miR-31      AGGCAAGAUUGGCAUAGCU--
sme-miR-31a-5p  AGGCAAGAUUGGCAUAAACUGA
sme-miR-31b-5p  AGGCAAGAUUGGCAUAGCUGA
sma-miR-31-5p   UGGCAAGAUUUGGCGAAGCUGA
sja-miR-31-5p   UGGCAAGAUUACGGCGAAGCUGA
egr-miR-31      UGGCAAGAUACUGGCGAAGCUGA

```

egr-miR-2162

```

hairpin:
AGUGGAUUUGUUGCAUAAUACAUCGUGGGGUUUGUAAUUGCAACUUUUCACUCC
mature:
UAAUUGCAACUUUUCACUCC

```

ENERGY = -20

total reads	mature	loop	star
36158	31005	0	5153

Bases 1 to 57

```

      10      20
--|   UUU      U  C  G
   AGUGGA  GUUGCAUA  UAU  AUC  U
   UCACUU  CAACGUAU  AUGU  UGG  G
CC^   UU-      U  U  G
      50      40      30

```

```

*****      *****
cte-miR-1993   UAUUAUGCUGAUUUCACGAGA
lgi-miR-1993   UAUUAUGCUGAUUUCACGAGA
sme-miR-2162-3p UAUUAUGCAAAUUCACAAU-
egr-miR-2162  UAUUAUGCAACUUUCACUCC-
sja-miR-2162-3p UAUUAUGCAACGUUUCACUCU-

```

egr-miR-3479

hairpin:
CGGUGAAAAGUUUAUGCAUUUACAUCGGUUGAUGUAUUGCACGUUCUUUCGCCAUC
mature:
UAUUGCACGUUCUUUCGCCAUC

ENERGY = -23.3

total reads	mature	loop	star
19325	16950	11	2364

Bases 1 to 55

```

      10      20
C--|   UUUU      UU  G
   GGUGAAAAG  UGCA  UACAUC  G
   CCGCUUUC   ACGU  AUGUAG  U
CUA^   UUGC   U-      U
      50      40      30

```

```

*****      * ***** *
sja-miR-3479-3p UAUUGCACUUACCUUCGCCUUG
sma-miR-3479-3p UAUUGCACUAACCUUCGCCUUG
egr-miR-3479   UAUUGCACGUUCUUUCGCCAUC

```

egr-miR-281

hairpin:

AAGGAGGGCCUUUUGACCCUUGAGAAAUAUUCAAUGUCAUGGAGUUGCUCUCUAUA

mature:

UGUCAUGGAGUUGCUCUCUAUA

ENERGY = -22.5

total reads	mature	loop	star
11111	11061	0	50

Bases 1 to 59

10 20

AA- C-| CC GAA

GGAGGC CUUUAUGAC UUGA A

UCUCUCG GAGGUACUG AACU U

AUA UU^ U- AAA

50 40 30

***** *****

cte-miR-281	UGUCAUGGAGUUGCUCUCUUA
lgi-miR-281-3p	UGUCAUGGAGUUGCUCUCUUA
egr-miR-281	UGUCAUGGAGUUGCUCUCUAUA
sme-miR-281-3p	UGUCAUGGAUAUGCUCUUC---

egr-miR-36

hairpin:

ACGGAUUGUCCGCGUAAACCGGAUAAGGUGAAGGCCUUUUUAACUGCUGGUCACCGGGUAGACAUUCCUUGC

mature:

UCACCGGGUAGACAUUCCUUGC

ENERGY = -31.6

total reads	mature	loop	star
2901	2896	2	3

Bases 1 to 75

10 20 30

AC-- U CG A - AU----| G

GGA UGUC UCCGGU ACC GCG AAGGU A

CCU ACAG GGGCCA UGG CGU UUCCG A

CGUU U AU C U CAAUUU^ G

70 60 50 40

```

***** *
egr-miR-36      UCACCGGGUAGACAUCCUUGC-
sme-miR-36c-3p UCACCGGGUAGACAUUCAUU---
sja-miR-36-3p  CCACCGGGUAGACAUUCAUUCGC
sma-miR-36-3p  CCACCGGGUAGACAUUCAUUCGC
sme-miR-36a-3p UCACCGGGUAGACAUUCAUA--
sme-miR-36b-3p UCACCGGGUAGACAUUAUCAUG
cte-miR-36     UCACCGGGUUAACAUAUCAUCG-

```

egr-miR-133

```

hairpin:
GGCUGAUUUGUGGGGCUCAGAAAAGCUGUAAAUGAAAACUUUUGGUCCCCAUUAACCAGCCGC
mature:
UUGGUCCCCAUUAACCAGCCGC

```

ENERGY = -22.9

total reads	mature	loop	star
1749	1044	19	686

Bases 1 to 63

```

      10      20      30
--|  A  U      CU  AAGCUGUA
   GGCUG UU GUGGGG CAGAA  \
   CCGAC AA UACCCC GUUUU  A
CG^  C  U      UG  CAAAAGUA
   60      50      40

```

```

***** * *****
cte-miR-133     UUGGUCCCCUUAACCAGCUGU
lgi-miR-133-3p UUGGUCCCCUUAACCAGCUGU
sme-miR-133a-3p UUGGUCCCCGUAACCAGCUGU
sja-miR-133     UUGGUCCCUUAUAACCAGCUGU
sme-miR-133b-3p UUGGUCCCCAUUAACCAGCA--
egr-miR-133     UUGGUCCCCAUUAACCAGCCGC

```

egr-miR-1992

```

hairpin:
UUUCAUUGGUCAAUUGCUAAUAUUUCUUGCGUAAAUUUACAAAUAUCAGCAGUUGUACCAUUGAAAUG
mature:
UCAGCAGUUGUACCAUUGAAAUG

```

ENERGY = -21.3

total reads **mature** loop **star**
 1519 1218 1 300

Bases 1 to 68

```

      10            20            30
--   U  -|        A        CUUGC  A
    UUUCA UGGU CAAUUGCU AUUUU    GUA A
    AAAGU ACCA GUUGACGA UAUAAA    CAU U
GU   U  U^       C        ----- U
      60            50            40
  
```

***** ** **

```

cte-miR-1992            UCAGCAGUUGUACCACUGAUGUG-
cla-miR-1992            UCAGCAGUUGUACCACUGAUGUGU
lgi-miR-1992            UCAGCAGUUGUACCACUGAUUUG-
egr-miR-1992            UCAGCAGUUGUACCAUUGAAAUG-
sme-miR-1992-3p        UCAGCAGUUGUCCAUGAC----
  
```

egr-miR-307

hairpin:
 AUCCCGUGGGUUGAGCGAUGCCUUUGUGUUCUGCACCUCUAUGCGCAUCACAACCUACUUGAUUGAGG
 mature:
 UCACAACCUACUUGAUUGAGG

ENERGY = -20.4

total reads **mature** loop **star**
 40982 40877 10 95

Bases 1 to 69

```

      10            20            30
----- CC        AGC        CUUU----| UU
      AUC GUGGGUUG    GAUGC        GUG \
      UAG CAUCCAAC    CUACG        CAC C
GGAGU UU        A--        CGUAUCUC^ GU
      60            50            40
  
```

***** * ** **

```

egr-miR-307            UCACAACCUACUUGAUUGAGG--
sja-miR-307            UCACAACCUACUUGAUUGAG---
cte-miR-67             UCACAACCUUGCAUGAAUGAGGU-
lgi-miR-67             UCACAACCUUGCAUGAAUGAGGAC
sme-miR-67-3p         UCACAACCUCCAUGAACGAGGGU
  
```

egr-new-7

hairpin:

UGGCGCUUUCUAACUUACUGAUAGUGAUUUUUCAGUAAAAGUCAUUAAUAGCACCUCA

mature:

UGGCGCUUUCUAACUUACUGA

ENERGY = -19.7

total reads	mature	loop	star
37789	37786	0	3

Bases 1 to 57

10 20
U-- C -| CUA U
GG GC UUU ACUUUACUGA UAG G
CC CG AAA UGAAAUGACUAUU A
ACU A U^ UAC U
50 40 30

NA

egr-new-10

hairpin:

UGAGUAUUGUACCAUGCGGUGAGUGACCUUGUCUCCUCCACCUACUCAUUGCAGGGUAGAAUACUCC

mature:

UGAGUAUUGUACCAUGCGGUGA

ENERGY = -28.9

total reads	mature	loop	star
17014	16815	4	195

Bases 1 to 68

10 20 30
U| G A ACCUUGUC
GAGUAUU UACC UGCGGUGAGUG U
CUCAUAA AUGG ACGUUACUCAU C
C^ G G CCACCUUC
60 50 40

NA

egr-new-12

hairpin:
UGGCGCUUGAUUUCAACACUGUUAGAAGCAACAGUGUUGAUACCAGGCAUUCACC
mature:
UGGCGCUUGAUUUCAACACUGU

ENERGY = -22.3

total reads	mature	loop	star
4850	4845	0	5

Bases 1 to 55

	10	20	
UGGC---	AUU		AG
	GCUUG	UCAACACUGU	A
	CGGAC	AGUUGUGACAA	A
CCACUUA^	CAU		CG
	50	40	30

NA

egr-new-15

hairpin:
UGGAGCUUGGUGACAAGACUGACAGACAAGUGGCAGUGUUGCUAUCAAUGCUCGCA
mature:
UGGAGCUUGGUGACAAGACUGAC

ENERGY = -23.3

total reads	mature	loop	star
2445	2444	0	1

Bases 1 to 57

	10	20	
U--	- A G	A GA	
	GGAGC	UUGGUG CAA ACUG	CA C
	CCUCG	AACUUAU GUU UGAC	GU A
ACG	U^	C G	G GA
	50	40	30

NA

egr-new-17

hairpin:
GGGCUCGUUUACUCGAAUUGGUCUGCGUGGGGCACUAAUUCGAGUCAACAGGGUCGUU
mature:
GGGCUCGUUUACUCGAAUUGGU

ENERGY = -25.1

total reads	mature	loop	star
1814	1045	0	769

Bases 1 to 58

```
      10      20
G--  -|  U      CU  GU
      GGCUC GUU ACUCGAAUUGGU GC \
      CUGGG CAA UGAGCUAAUCA CG G
UUG   A^  C      --  GG
      50      40      30
```

NA

egr-new-22

hairpin:
UGGCGCUUGAUUUCAACGCUGAUAGAAAAACCCGUACAUCAGUGUUGAUGUCAGGUUGCUUCU
mature:
AGUGUUGAUGUCAGGUUGCUUCU

ENERGY = -24.9

total reads	mature	loop	star
1180	1079	5	96

Bases 1 to 63

```
      10      20      30
U--  -|  U      AGAAAA
      GGC GCUUGAU UCAACGCUGAU C
      UCG UGGACUG AGUUGUGACUA A
UCU  U^  U      CAUGCC
      60      50      40
```

NA

egr-new-24

hairpin:

UGGCGCUUGACCAUGCUACUGAUAGACGCAAUCAGUUGUAUCAUCAAAUGCGCCGCA

mature:

UGGCGCUUGACCAUGCUACUGA

ENERGY = -23.7

total reads	mature	loop	star
534	533	0	1

Bases 1 to 57

	10	20	
U--	-	CC	U AGA
	GGCGC	UUGA	AUGC ACUGAU C
	CCGCG	AACU	UAUG UGACUA G
ACG	U^	AC	U AAC
	50	40	30

NA

egr-new-25

hairpin:

UAUAUCAAACGUCAGGUUUUGGUGGAAAAGAAAACAUGGCGUUUUGGUAAGA

mature:

AACAUGGCGUUUUGGUAAGA

ENERGY = -20.5

total reads	mature	loop	star
518	335	0	183

Bases 1 to 53

	10	20	
UA-		G	GGUG
	UAUCAAACGUC	A	GUUUU G
	AUGGUUUUGCGGU	CAAAA	A
AGA^		A	GAAA
	50	40	30

NA

egr-new-26

hairpin:
GGGUCAUUCUGAUAGUUCAGAUAAACGGGUCAGAACUAUCGGAAUGGCAGU
mature:
CAGAACUAUCGGAAUGGCAGU

ENERGY = -26

total reads	mature	loop	star
245	239	0	6

Bases 1 to 51

10 20

GG-| A AA

GUCAUUCUGAUAGUUC GAU A

CGGUAAGGCUAUCAAG CUG C

UGA^ A GG

50 40 30

NA

egr-new-28

hairpin:
CCUCCAUUUCGGUUCGAAUGGGCGCAUAAACUACCGCUCGAACUGGGGUUGAAGC
mature:
GCUCGAACUGGGGUUGAAGC

ENERGY = -20

total reads	mature	loop	star
176	170	0	6

Bases 1 to 55

10 20

C| C U A GCGCA

CU CA UUCGGUUCGA UGG \

GA GU GGGUCAAGCU GCC U

C^ A U C AUCAA

50 40 30

NA

egr-new-29

hairpin:
UUGCACAGCUUAGAGCUCUGUCUGCUUUUCGCCUGCGGAGUGUCGGUGCUGGCGAAAGUGAU
mature:
UUGCACAGCUUAGAGCUCUGUC

ENERGY = -27.7

total reads	mature	loop	star
130	129	0	1

Bases 1 to 63

```
-----          10          20
                UUA -|      CU UU
                UUGCACAGC GA GCUCUGU GC \
                AGCGUGUCG CU UGAGGCG CG U
UAGUGAA        UGG G^      UC CU
   60          50          40          30
```

NA

egr-new-33

hairpin:
GGCGACAGACGAUAAUAGACAGGUCGACAAGUAAUGACUUCAGCUUGUCUAUUAGUCAUCUGUCUCAU
mature:
GGCGACAGACGAUAAUAGAC

ENERGY = -26.9

total reads	mature	loop	star
89	85	0	4

Bases 1 to 69

```
---| C          C -          C CA A
      GG GACAGA GAU AAUAGACAGGU GA AGU A
      CU CUGUCU CUG UUAUCUGUUCG CU UCA U
UUA^ -          A A          A -- G
   60          50          40
```

NA

egr-new-37

hairpin:
UGAACUCUGUCAUAAAAUUUGCUAGUCGUAGCAAUGUGUGGACGAGUUCGCGA
mature:
UGAACUCUGUCAUAAAAUUUGC

ENERGY = -20.3

total reads	mature	loop	star
41	40	0	1

Bases 1 to 54

	10	20	
U---	U AUUAA	G	
	GAACUC GUC AUUUGCUA	U	
	CUUGAG CAG UAAACGAU	C	
AGCG^	- GUGUG	G	
	50 40 30		

NA

egr-new-38

hairpin:
GAAAUGCCGAGGGCUUGGAGGACAUCGUAUCUGCAUCAAGGCUCACGGCAUUUCCU
mature:
GAAAUGCCGAGGGCUUGGAGG

ENERGY = -22.9

total reads	mature	loop	star
27	24	0	3

Bases 1 to 56

	10	20	
--	A G GGA	UCG	
	GAAAUGCCG GGGCUU GA CA	\	
	CUUUACGGC CUCGGA CU GU	U	
UC^	A A AC-	CUA	
	50 40 30		

NA

egr-new-41

hairpin:

AGCAGGGACUGGUUUGAAACUGCCUGCAGUACAAACUCUGCCCCUGCUGC

mature:

UACAAACUCUGCCCCUGCUGC

ENERGY = -22.2

total reads	mature	loop	star
16	14	0	2

Bases 1 to 50

```
      10      20
--   ACU-|   AA  C
   AGCAGGG   GGUUUG ACUG C
   UCGUCCC   UCAAAC UGAC U
CG     CGUC^  A-   G
.      40      30
```

NA

egr-new-42

hairpin:

GACUGGGUUGCAGGAAAAGCGUGAAUAGUGCUACAUAAGAGAACUUAGUCACGCAUACCCAAAGCCCAGUUCA

mature:

CAUACCCAAAGCCCAGUUCA

ENERGY = -30.2

total reads	mature	loop	star
14	7	1	6

Bases 1 to 72

```
      10      20      30
--|   GCA AAA  A  G  AC
   GACUGGGUU GG  GCGUGA UAAGU CU  A
   UUGACCCGA  CC  CGCACU AUUCA GA  U
AC^     AAC  AUA  G  A  GA
   70      60      50      40
```

NA

egr-new-43

hairpin:
GUCCACGCAGCACAGCGGUCACGAAUGCUGGGCCGAUGAAUGCCACGUGGUCAC
mature:
GUCCACGCAGCACAGCGGUCA

ENERGY = -20.1

total reads	mature	loop	star
21	19	0	2

Bases 1 to 54

```
          10      20
GU--  CA  --| G  A AA
      CCACG GCA CA CGGUC CG \
      GGUGC CGU GU GCCGG GU U
CACU  AC  AA^ A  - CG
      50      40      30
```

NA

egr-new-45

hairpin:
AAAGGUCAGGAUGGCGGAGUGAAGGGCGGCACUGACGCGUCAUUCCACCCUCCCCUCCUCCCCUGCCUUUUUC
mature:
AAAGGUCAGGAUGGCGGAGUG

ENERGY = -30.7

total reads	mature	loop	star
8	7	0	1

Bases 1 to 74

```
          10      20      30
--|  U  AU  C  UGA  C CAC  C
      AAAGG CAGG GG GGAG AGGG GG UGA G
      UUCC GUCC CC CCUC UCCC CC ACU C
CU^  C  -- U  CCC  A CUU  G
      70      60      50      40
```

NA

egr-new-46

hairpin:

UGAAUGGCUAGAGGCAUCAAGGACAUCAUCAUACGGUGCCCUUGAACCGUUUCUACCAUUCUA

mature:

UGAAUGGCUAGAGGCAUCAAG

ENERGY = -27.1

total reads	mature	loop	star
11	10	0	1

Bases 1 to 67

```
      10      20      30
--      C      A--|  A U AUA
  UGAAUGG UAGAGGC UCAAG CA CC C
  ACUUACC AUCUUUG AGUUC GU GG A
AU      -      CCA^  C U CAU
      60      50      40
```

NA

egr-new-47

hairpin:

UAGUCAGUCAGUCUGUUUGCCUGUAUGGCUGGCUGGCUGACUGGCUG

mature:

UAGUCAGUCAGUCUGUUUG

ENERGY = -28.6

total reads	mature	loop	star
10	5	0	5

Bases 1 to 47

```
      10      20
|      U UU  UG
  UAGUCAGUCAGUC GU GCC \
  GUCGGUCAGUCGG CG CGG U
^      U GU  UA
      40      30
```

NA

egr-new-48

hairpin:
UGGUGCUUGAUCUACCACUGAUAGACAUGGAUCAGUUGUAUCAUCAAGCAUCACA
mature:
UGGUGCUUGAUCUACCACUGA

ENERGY = -22

total reads	mature	loop	star
88	88	0	0

Bases 1 to 57

```
      10      20
--  -|  C  C  AGA
    UGGUGC UUGAU AUAC ACUGAU  C
    ACUACG AACUA UAUG UGACUA  A
AC   U^  C  U  GGU
     50   40   30
```

NA

egr-new-50

hairpin:
GACUUGGAUGGUUCUGCCUAACCAGGGGUGGAGGCCAUCCAAGUAGC
mature:
GUGGAGGCCAUCCAAGUAGC

ENERGY = -26.8

total reads	mature	loop	star
19	19	0	0

Bases 1 to 47

```
      10      20
G--  -|  UG  AA
    ACUUGGAUGG UUC  CCU  C
    UGAACCUACC GAG  GGG  C
CGA   G^  GU  GA
     40   30
```

NA

egr-new-51

hairpin:

UAGAGCUUGACGUGUUGGAGACGCGGCUACUCGUGGAUGCUCAGAGAGGAUGAAGUCACCAAUACGUUGCCAGCUCCAUC

mature:

UAGAGCUUGACGUGUUGGAGAC

ENERGY = -32.9

total reads	mature	loop	star
136	136	0	0

Bases 1 to 81

```
          10      20      30
UA--  --      A  GCGG-| A  G  AU
      GAGCU  UGACGUGUUGG  GAC  CU CUC UGG  \
      CUCGA  GUUGCAUAACC  CUG  GG GAG ACC  G
CUAC  CC      A  AAGUA^ A  -  UC
80     70     60     50     40
```

NA

egr-new-52

hairpin:

ACUAGGAGAGGGGAUGAGGAAGCCUCUCCUCUCCUGGUC

mature:

ACUAGGAGAGGGGAUGAGGA

ENERGY = -29.6

total reads	mature	loop	star
9	8	0	1

Bases 1 to 42

```
          10      20
-|          U  A
ACUAGGAGAGGGGA  GAGG  \
UGGUCCUCUCCU  CUCC  A
C^          U  G
40     30
```

NA

egr-new-55

hairpin:
CGUGGAGGAGUUCGGGAUAGCCCUUUCGUGUGAGUGUCCGUCUCCUCCACAUC
mature:
CGUGGAGGAGUUCGGGAUAGC

ENERGY = -26.7

total reads	mature	loop	star
21	21	0	0

Bases 1 to 54

```
      10      20
C--|      UU      GCC UC
      GUGGAGGAG CGGGAUA CUU G
      CACCUCCUC GCCUUGU GAG U
CUA^      U-      --- UG
      50      40      30
```

NA

egr-new-56

hairpin:
GAGUAAUUUCUAUCCGGUUGGUGUUUCCAGGGAACACUAGUGUGUCCUCUAUGUCCAAGGCAUCACCGGGUAGUUUUUACGC
mature:
UCACCGGGUAGUUUUUACGC

ENERGY = -34.2

total reads	mature	loop	star
64	49	0	15

Bases 1 to 83

```
      10      20      30      40
GA  UU      U      CC----|  A  U
      GUAUU CUAUCCGG UGGUGUUU      AGGG ACAC A
      CAUUA GAUGGGCC ACUACGGAA      UCUC UGUG G
CG  UU      -      CCUGUA^  C  U
      80      70      60      50
```

NA

egr-new-57

hairpin:
AAGAGGAGAGGGAGAAGAGAGUUAGCUGUCCAAGCUUUGCUUACCCCUUCUCCUCCUCCUUCU
mature:
AAGAGGAGAGGGAGAAGAGAGUU

ENERGY = -27.5

total reads	mature	loop	star
47	46	0	1

Bases 1 to 65

```
      10      20      30
A   A   A   -----   U-|   GU
AGAGGAG GGGAG AGA   GAGU AGCU C
UCUUCUC CCCUC UCU   UUCG UCGA C
-   -   C   UCCCCA   UU^   AA
      60      50      40
```

NA

egr-new-58

hairpin:
AAUGGCACUGGGAUGGAUGGAGAGUGGAUCCUACCAUCCUCGUAGUGUGGUUCA
mature:
AAUGGCACUGGGAUGGAUGGUAG

ENERGY = -27.3

total reads	mature	loop	star
33	33	0	0

Bases 1 to 56

```
      10      20
--|   G   G   U   AGUG
AAU GCACUG GA GGAUGGUAG \
UUG UGUGAU CU CCUACCAUC   G
AC^ G   G   -   CUUA
      50      40      30
```

NA

egr-new-59

hairpin:
GUGAGAAUACUGGACUAGGAUGCUAUAUCCAAGUCAAGUGUUCUCACAA
mature:
GUGAGAAUACUGGACUAGGAUG

ENERGY = -25.2

total reads	mature	loop	star
27	27	0	0

Bases 1 to 51

```
      10      20
--      G UA-| GC
      GUGAGAAUACU GAC GGAU U
      CACUCUUGUGA CUG CCUA A
AA      A UAA^ AU
50      40      30
```

NA

egr-new-60

hairpin:
AGCAACACCUGCGUCUCACAUAGGUUGUGGCGGUGGUGUUGAUGA
mature:
GUGGUGGCGGUGGUGUUGAUGA

ENERGY = -21.2

total reads	mature	loop	star
51	51	0	0

Bases 1 to 49

```
      10      20
AG--      UG -| UA
      CAACACC CGUC UCACA A
      GUGGUGG GCGG GGUGU G
AGUA      UG U^ UG
      40      30
```

NA

egr-new-61

hairpin:

UGGCGCUUGGUUUAUUCUACUGAUAGCCAAAAGUCAGUCGUAAAUCAACGUGCCGCA

mature:

UGGCGCUUGGUUUAUUCACUGA

ENERGY = -22.7

total reads	mature	loop	star
3524	3524	0	0

Bases 1 to 57

	10	20	
U--	-	UCU	AGC
	GGCGC	UUGGUUU	ACUGAU C
	CCGUG	AACUAAUA	UGACUG A
ACG	C^	UGC	AAA
	50	40	30

NA

egr-new-62

hairpin:

GUGAUCUGCCAAUUUGCUCUCGGCCGUCGCUCUAAAAUUGGCGGGUCAAAAG

mature:

GUGAUCUGCCAAUUUGCUCUC

ENERGY = -20.6

total reads	mature	loop	star
27	27	0	0

Bases 1 to 51

	10	20	
G--		GCUCUC	C
	UGAUCUGCCAAUUU		GGC G
	ACUGGGCGGUAAA		UCG U
GAA^		AUC---	C
50	40		30

NA

egr-new-63

hairpin:
ACGGUUCGAACAGAAGUUGGCAGAAAGCUUUUCCUCCUUCUGUUCGACCAAUU
mature:
CCUCCUUCUGUUCGACCAAUU

ENERGY = -22.5

total reads	mature	loop	star
28	28	0	0

Bases 1 to 53

```
      10      20
AC--| U      UU C A
      GGU CGAACAGAAG GG AGA A
      CCA GCUUGUCUUC CC UUU G
UAAA^ -      CU U C
      50      40      30
```

NA

egr-new-64

hairpin:
GCCUGAUUUGAGUGCAGCCUCAUGUAGGCAGGACAUCGAAUCAGGAAA
mature:
GCAGGACAUCGAAUCAGGAAA

ENERGY = -21.9

total reads	mature	loop	star
23	23	0	0

Bases 1 to 48

```
      10      20
G--      -| GCA CA
      CCUGAUUUGA GU GCCU \
      GGACUAAGCU CA CGGA U
AAA      A^ GGA UG
      40      30
```

NA

egr-new-65

hairpin:
UACGUGCAUUUCAGCUCAUCUUCUCCACUGCUUGGAGUCUGAGGUGAAAAUGCGCGAAUU
mature:
UCUGAGGUGAAAAUGCGCGAAUU

ENERGY = -26.1

total reads	mature	loop	star
93	93	0	0

Bases 1 to 60

```
      10      20
UA--  -|  G  UCUU  CU
      CGUGCA UUUA CUCA  CUCCA \
      GCGCGU AAAGU GAGU  GAGGU G
UAAA  A^  G  CU--  UC
      50      40
```

NA

egr-new-66

hairpin:
CAUCAAAUUGGCUGUGACAUCGCAACCCGUGUCUACAGGCAAUGUUGACGACG
mature:
CAUCAAAUUGGCUGUGACAU

ENERGY = -21.6

total reads	mature	loop	star
18	13	0	5

Bases 1 to 54

```
      10      20
CA---  G  -|  CGC
      UCAAUAUG CUGU GACAU  A
      AGUUGUAC GACA CUGUG  A
GCAGC  G  U^  CCC
      50      40      30
```

NA

egr-new-68

hairpin:

CCAAACCGUCCAAUAGUCGACAGUUAAAACCCACCGACUACUGGAACGGUUUAAAC

mature:

CGACUACUGGAACGGUUUAAAC

ENERGY = -24.4

total reads	mature	loop	star
7	6	0	1

Bases 1 to 56

	10	20	
CC-	A	ACAGUUU	
AAACCGUCCA	UAGUCG	\	
UUUGGCAAGGU	AUCAGC	A	
CAA^	C	CACCCAA	
50	40	30	

NA

egr-new-70

hairpin:

CCUCCUUCUGUUCGACCAAUUCAGUCAUGCACCCUCUAACCACUGCGAUUGGUCCAAUAAAGAAGGUGGAG

mature:

CCUCCUUCUGUUCGACCAAUUC

ENERGY = -23.4

total reads	mature	loop	star
23	23	0	0

Bases 1 to 71

	10	20	30	
-- U	-- C	-	CAUGCAC	
CC CCUUCU	GUU GACCAAU	CAGU	C	
GG GGAAGA	UAA CUGGUUAG	GUCA	C	
GA U	AA C	C^	CCAAUCU	
70	60	50	40	

NA

egr-new-71

hairpin:
UUGAAGGUACUGUGAAUUUUGUAUGAGUCCAAACUGGUACAAGAUGCCCAUUCGCGGGUCCAUG
mature:
UUGAAGGUACUGUGAAUUUUG

ENERGY = -19.6

total reads	mature	loop	star
12	12	0	0

Bases 1 to 65

```
      10      20      30
UUGAA U   A-----|   G   C
      GG ACUGUG      AUUUUGUAU AGU C
      CC UGGCGC      UAGAACAUG UCA A
GUA-- -   GCUUACCCG^   G   A
      60      50      40
```

NA

egr-new-73

hairpin:
UGGGCUAAAGUUGGUACAUGUACCUAGACGGUUGUGUGCAUGUCUGCUAUGGCCCAUC
mature:
UGGGCUAAAGUUGGUACAUGUA

ENERGY = -23.2

total reads	mature	loop	star
67	67	0	0

Bases 1 to 58

```
      10      20
--|   A   U   U   C   A
      UGGGCUA AGU GG ACAUGUAC UAG C
      ACCCGGU UCG UC UGUACGUG GUU G
CU^   A   -   -   U   G
      50      40      30
```

NA

egr-new-74

hairpin:
GGUGCCAUUAGUGAUAGGCUCAGCGUUGAUCUAUUCACAUAGCCUUCUAGCGCUUGGAGCGU
mature:
GGUGCCAUUAGUGAUAGG

ENERGY = -23.7

total reads	mature	loop	star
327	327	0	0

Bases 1 to 66

	10	20	30
G- G UUA U CAGC UC			
GU CCA GUGUGA AGCCU GUUGA \			
CG GGU CGUACU UCCGA CAACU U			
UG^ A UCG - CUA- UA			
	60	50	40

NA

egr-new-75

hairpin:
AUGGAGGAGAAGGAAGGAAGAUGUUGUAAAUCUUCUCCUCAUCCUCCACAC
mature:
AUGGAGGAGAAGGAAGGAAGA

ENERGY = -24.1

total reads	mature	loop	star
34	32	0	2

Bases 1 to 54

	10	20
A-- GAA AG GUU		
UGGAGGA GGA GAAGAU G		
ACCUCU UCCU CUUCUA U		
CAC^ AC- A- AAU		
	50	40

NA

egr-new-76

hairpin:

UGCCUACUCCUCAGCAAAAUUGGGAGAAAGUAAUGCGAUGUUGUCGUCGUGGCCACAUUCGCCAUUUGUUGUAGAAGGCGGAAA

mature:

AUAUUGUUGUAGAAGGCGGAAA

ENERGY = -27.1

total reads	mature	loop	star
70	70	0	0

Bases 1 to 86

	10	20	30	40
UG- UA	CU	AAU	GA	A AA- U
CC	CUUC	CAGCAA	UGG	GAA GU UGCGAUG U
GG	GAAG	GUUGUU	ACC	CUU CA GUGCUGC G
AAA^ CG	AU	AU-	G- A	CCG U
	80	70	60	50

NA

egr-new-78

hairpin:

AGGGCUAAAGUACAAGAGAGUGGUAACAGCUGCUGUACUUUAGCCCUCC

mature:

AGGGCUAAAGUACAAGAGAG

ENERGY = -24.4

total reads	mature	loop	star
14	14	0	0

Bases 1 to 49

	10	20
--	AG	AG G
AGGGCUAAAGUACA	AG	UG U
UCCCGAUUUCAUGU	UC	AC A
CC^	CG	G- A
	40	30

NA

egr-new-79

hairpin:

CCCGCACUAUGAUUGCCAAACUCCACAGCUCGCAGAGAGGAAGCAUCAAGAGUUGGCAACGGUAGUGCGAUAC

mature:

GUUGGCAACGGUAGUGCGAUAC

ENERGY = -27.2

total reads	mature	loop	star
44	44	0	0

Bases 1 to 73

```
          10      20      30
CC--      GA   A   CACA- -| GCA
          CGCACUAU UUGCC AACUC   GC UC  G
          GCGUGAUG AACGG UUGAG   CG AG  A
CAUA      GC   -   AACUA  A^ GAG
          70      60      50      40
```

NA

egr-new-80

hairpin:

CCUCUCUAUCCCUUUUCACGUUAGUAUUGUAUGCUCUACCAGUAUGCUGUGACUAUACGGAUUUUGGCGGAGUUGGGAGGCA

mature:

CCUCUCUAUCCCUUUUCACGUUA

ENERGY = -27.7

total reads	mature	loop	star
288	288	0	0

Bases 1 to 83

```
          10      20      30
--      -- - UU-- A -   AUU-|   CU
          CCUCUCUA UCC CU   UC CGU UAGU   GUAUGCU \
          GGAGGGGU AGG GG   AG GCA AUCA   CGUAUGA  A
AC      UG  C UUUU -  U   GUGU^   CC
          80      70      60      50      40
```

NA

egr-new-82

hairpin:
ACCACAAAAACUGCCGAAAAACGAUAAAGUAAAAUCCUUUUUGGUAGUUUUUGUAGGAUU
mature:
UUUGGUAGUUUUUGUAGGAUU

ENERGY = -23.6

total reads	mature	loop	star
67	67	0	0

Bases 1 to 61

10 20
A-- - C-| AAG
CC AAAAAACUGCCGAAAA GAU \
GG UGUUUUUUGAUGGUUUU CUA U
UUA A UC^ AAA
60 50 40 30

NA

egr-new-87

hairpin:
AUUUGCUCUGGGUUAGUAGAAGGCAUUUAAAUGCACUACUAAACCAAGAGACAAAUUGA
mature:
AUUUGCUCUGGGUUAGUAGAA

ENERGY = -21

total reads	mature	loop	star
5555	3992	10	1553

Bases 1 to 60

10 20
--- - G -| AAG U
AUUG CUCU GG UUAGUAG GCAUU \
UAAAC GAGA CC AAUCAUC CGUAA U
AGU A A A^ A-- A
. 50 40 30

NA

egr-new-91

hairpin:

CUGAUUCGAAACCUCGGCCUUUUUGUUACUGUUCUUUGGGUUUCCCUAACAUAGACUCCACUGCGUAAUUAGAGGAUUGUUUCGGGUGGGC

mature:

CUGAUUCGAAACCUCGGCC

ENERGY = -26.2

total reads	mature	loop	star
56	56	0	0

Bases 1 to 91

```
      10      20      30      40
-| G      CUCGG  UU   U  UCUU  UU  CCU
CU AUUCGAAAC  CCUUU  GUUAC  GU   UGGG  UC  A
GG UGGGCUUUG  GGAGA  UAAUG  CG   ACCC  AG  A
C^ G      UUA--  U-   -  UC--  UC  UAC
90      80      70      60      50
```

NA

egr-new-92

hairpin:

UGUGGGCAAAGUGAGUGGGAUCAAACAUAUGUCAACAUAUGAAACAUAUGGGAAAUCUCAUGCCUUUGCCCACGAA

mature:

UGUGGGCAAAGUGAGUGGGAUC

ENERGY = -28.3

total reads	mature	loop	star
28	28	0	0

Bases 1 to 76

```
      10      20      30
--|      UGA      CAAA  UUAUG  AC
UGUGGGCAAAG  GUGGGAU  CA   UCA  \
GCACCCGUUUC  UACUCUA  GU   AGU  A
AA^      CG-   AAGG  UACAA  AU
      70      60      50      40
```

NA

egr-new-95

hairpin:

CCUCCUUCUGCUUUUUUACCUCGGUGCUGUCCAGCUAACUUGUAGGAAAAGUGAAGGAGGCA

mature:

CCUCCUUCUGCUUUUUUC

ENERGY = -20.9

total reads	mature	loop	star
18	18	0	0

Bases 1 to 64

```
      10      20      30
--|   CU   U CCUC  -- G
  CCUCCUUC  GCUUUUUU CA  GGU  GCU U
  GGAGGAAG  UGAAAGGA GU   UCA  CGA C
AC^  --      U  ----  AU  C
    60      50      40
```

NA

egr-new-96

hairpin:

AUGCGGAUGGUUAAAGGAAUGGGGAGAAUGACCUUGACAGGAGAGUCCUGAGGUGCCAGUCCCCAGAUCAAACCACCGCAGAC

mature:

AUGCGGAUGGUUAAAGGAAUGGG

ENERGY = -34.3

total reads	mature	loop	star
10	10	0	0

Bases 1 to 83

```
      10      20      30      40
A--|  A  AA AA  GAAUG  UGA  AG
  UGCGG UGGUU  GG  UGGGA  ACCU  CAGG  A
  ACGCC ACCAA  CU  ACCCU  UGGA  GUCC  G
CAG^  -  A-  AG  GACCG  ---  CU
    80      70      60      50
```

NA

egr-new-97

hairpin:

GGAGGGUAUUAACCGAAGGCACAGAUUUGCCUUCGGCCCCACCCUCCU

mature:

GGAGGGUAUUAACCGAAGGC

ENERGY = -25.6

total reads	mature	loop	star
10	10	0	0

Bases 1 to 49

```
      10      20
--|  AUUAA      CA
  GGAGGGU  CCGAAGGCA G
  CUUCCCA  GGCUCCGU A
UC^  CCCC-      UU
      40      30
```

NA

egr-new-98

hairpin:

GAGAUGAGCAUCCAGUGCUUAGUGAUUGUGUAAGCACUGCUGCUCAUACCACAAUCAUCAUC

mature:

GAGAUGAGCAUCCAGUGCUUA

ENERGY = -21.4

total reads	mature	loop	star
11	10	0	1

Bases 1 to 63

```
      10      20
GAG-----|  UC      GUGA
      AUGAGCA  CAGUGCUUA  \
      UACUCGU  GUCACGAAU  U
CUACUUACUAAACCCA^  C-      GUGU
  60      50      40      30
```

NA

egr-new-99

hairpin:

UGCAUUUCAUCACCUACUCCCAUCACUUACCGUGGUGGACACUUUCGGUGUGAUGGAUUGAAUAAGAGUGCACA

mature:

AUGGAUUGAAUAAGAGUGCACA

ENERGY = -27.4

total reads	mature	loop	star
8	8	0	0

Bases 1 to 76

```
      10      20      30
--   CA--| CCUACUC      UU  U-  G
   UGCAUUU  UCA      CCAUCAC  ACCG  GGUG  U
   ACGUGAG  AGU      GGUAGUG  UGGC  UCAC  G
AC   AAUA^ UA-----  --  UU  A
      70      60      50      40
```

NA

egr-new-100

hairpin:

GUAGAUCGUUUGGCGAUUAGCGGUGAACAGUGAUUUACAGUGAAGGCCAAACAUCUACCA

mature:

GUAGAUCGUUUGGCGAUUAGCG

ENERGY = -20.7

total reads	mature	loop	star
40	40	0	0

Bases 1 to 60

```
      10      20      30
--|   C      GAUAA  G  CA
   GUAGAU GUUUGGC  GC  GUGAA  G
   CAUCUA CAAACCG  UG  CAUU  U
AC^  -      GAAG-  A  AG
.      50      40
```

NA

egr-new-104

hairpin:

CGUGGGGCUUGUGGUACUUCUGGGUGCGGGUGCAGUGCGUGUGUUGGCGCAGGGGUAAGCCAGUCCUAAUUC

mature:

CGUGGGGCUUGUGGUACUUCUG

ENERGY = -28.8

total reads	mature	loop	star
7	7	0	0

Bases 1 to 73

```
          10      20      30
CGU---|   U GG      GG  G UG GU
          GGGGCU GU UACUUCU GUGC GG CA \
          CCCUGA CG AUGGGGA CGCG UU GU G
CUUUUAU^  C A-      --  G GU GC
          70      60      50      40
```

NA

egr-new-106

hairpin:

GAGCGGCUGUUGAACUAGUACCGACCUUUGAUAAUUACCCAACAGACAGUUCGUGUAUCAAGUUCAAAUAAGCCGCAUUUG

mature:

GAGCGGCUGUUGAACUAGUACC

ENERGY = -26

total reads	mature	loop	star
8	8	0	0

Bases 1 to 81

```
          10      20      30
GA---   -   --   -  C --| AUAAU
          GCGGCUG UUGAACU AGUAC CGA CU UUG  U
          CGCCGAU AACUUGA UUAUG GCU GA GAC  A
GUUUA   A   AC   U  U  CA^ AACCC
          80      70      60      50      40
```

NA

egr-new-107

hairpin:
AGAAGUUGUUAGCUGGUAGGUAUGAUUAGCUACCAUCUCUCAGCUUCAU
mature:
AGAAGUUGUUAGCUGGUAGG

ENERGY = -21.5

total reads	mature	loop	star
17	17	0	0

Bases 1 to 50

10 20
A--| UU C G U
GAAGUUG AG UGGUAG UA G
CUUCGAC UC ACCAUC AU A
UUA^ UC U G U
. 40 30

NA

egr-new-108

hairpin:
AACUAAAUGGUCGUGUGGCUGCAUUACGCCGACUGCCAUUUGAUGUCAC
mature:
AACUAAAUGGUCGUGUGGC

ENERGY = -23.1

total reads	mature	loop	star
10	10	0	0

Bases 1 to 51

10 20
A-- -| C UGC
AC UAAAUGGU GUGUGGC A
UG AGUUUACCG CACGCCG U
CAC U^ U CAU
50 40 30

NA

egr-new-109

hairpin:

CGGACAGUGCACGGGUAUUUUGCUUUGCCUGUGCACGCGCCGGGGCAGGGCAGGGCGGGUGCCCAUUGGACGAC

mature:

CGGACAGUGCACGGGUAUUUU

ENERGY = -42.3

total reads	mature	loop	star
6	6	0	0

Bases 1 to 83

```
      10      20      30      40
--| GA  CAC  -      G  G  A  C
   CG CAGUG GGGUAUU UUGCUUUGCCU UGC UC CG \
   GC GUUAC CCCGUGG GCGGGACGGG ACG GG GC G
CA^ AG  A--  C      G  G  -  C
   80      70      60      50
```

NA

egr-new-113

hairpin:

CGGUGUGGGAGUAGAUUUCUGAGAACAUUUUAGUGACCUUAGAGGAUUGCUCAGCACUGUU

mature:

CGGUGUGGGAGUAGAUUUCUG

ENERGY = -22.4

total reads	mature	loop	star
7	7	0	0

Bases 1 to 62

```
      10      20      30
--|  GG  GA-  AA  U
   CGGUGU GAGUA UUUCUGAG CAU U
   GUCACG CUCGU GGAGAUUC GUG U
UU^  A-  AUA  CA  A
   60      50      40
```

NA

egr-new-114

hairpin:

GUGCACACGUAUGUGUAUGCAUCUAUGCGGGCCUACACACACGUGCGCACGA

mature:

GUGCACACGUAUGUGUAUG

ENERGY = -24.5

total reads	mature	loop	star
6	6	0	0

Bases 1 to 54

```
      10      20
--|  A   A   U A UAU
    GUGC CACGU UGUGUA GC UC \
    CACG GUGCA ACACAU CG GG  G
AG^  C   C   C - CGC
     50     40     30
```

NA

egr-new-115

hairpin:

ACUGAGGGCGGUAGUGUUUUUUCGUUGACCAUCAAAUGAAAUGGAUGGGUUGGAAUGAGAGACACUCACCGCUUUUAGAGC

mature:

ACUGAGGGCGGUAGUGUUU

ENERGY = -30.9

total reads	mature	loop	star
6	6	0	0

Bases 1 to 85

```
      10      20      30
A-- - - - -- G UG ---| G
    CU GAGGGCGGU AGUGUUUUU UC U ACCAU CAAU \
    GA UUUUCGCCA UCACAGAGAG AG G UGGUG GUUA A
CGA U   C   UA - GU   UAG^  A
     80     70     60     50     40
```

NA

egr-new-118

hairpin:

ACGUUCGCGCACGUCCAGCGGAGAUCCUGCCAUCACGGUGUUAGGACUCUUCUGACAUGCAUGAACGAGU

mature:

UCUGACAUGCAUGAACGAGU

ENERGY = -30.4

total reads	mature	loop	star
62	62	0	0

Bases 1 to 70

```
          10      20      30
A--|   C  C  C  C  A  C  C
      CGUUCG GCA GUC AG GGAG UCCUG CAU A
      GCAAGU CGU CAG UC UCUC AGGAU GUG C
UGA^   A  A  -  U  -  U  G
      60      50      40
```

NA

egr-new-119

hairpin:

GGGAGGGAGUGAGGGAGGUAGAUAGUGUCCACUGCCUUCACAUCCUCCGUA

mature:

CCACUGCCUUCACAUCCUCCGUA

ENERGY = -24.3

total reads	mature	loop	star
5	5	0	0

Bases 1 to 52

```
          10      20
G--   GA      A  A-|  A
      GGAGG  GUGAGGG GGU  GAU \
      CCUCC  CACUUCU UCA  CUG G
AUG   UA      G  CC^  U
      50      40      30
```

NA

egr-new-120

hairpin:

UUUCAUCACCCUACCAGAUUGCUCUUUUUAGUUGGAGCUUAGCAUCAGCUUUGGAGGUACCCUCAUGGGUGUGAAUUA

mature:

UUUCAUCACCCUACCAGAUUGCUCU

ENERGY = -24.2

total reads	mature	loop	star
6	6	0	0

Bases 1 to 83

	10	20	30	40				
U--	U	UACC	AU	CUUAU	UU	GA	U	
	UUA	CACCC	AG	UGCU	UCU	AGUUG	GC	U
	AAGU	GUGGG	UC	AUGG	AGG	UCGAC	CG	A
AUU^	-	UAC-	CC	-----	UU	UA	A	
80	70		60		50			

NA

egr-new-122

hairpin:

GGUGGUGGUGGUGGUGGCGGUGAAGAUGACGUGUGUUUCUGAGUCUGCUUUUAUCAUCACCAUCGUGA

mature:

CUGCUUUUAUCAUCACCAUCGUGA

ENERGY = -28.5

total reads	mature	loop	star
401	370	3	28

Bases 1 to 67

	10	20	30		
- GU		--	UGA-	U	G
G	GGUGGUGGUGGU	GGCGG	AGA	GAC	U
C	CUACCACUACUA	UCGUC	UCU	UUG	G
A	UG	UU	UGAG^	-	U
60	50		40		

NA

egr-new-123

hairpin:
GGGGAGCGACGCUAGGGAAUAAGUAAUUAGGCUUGUCCCUUUAUUCGUCUCCUGU
mature:
GUCCCUUUAUUCGUCUCCUGU

ENERGY = -26.7

total reads	mature	loop	star
5	5	0	0

Bases 1 to 57

```
      10      20
--|      CGCU  A  AA
  GGGGAGCGCA  AGGGA UAAGU U
  UCCUUCUGCU  UCCCU GUUCG U
UG~      UAUU  -  GA
      50      40      30
```

NA

egr-new-124

hairpin:
AACCGGUUGGUGGGAGGCAUGGUC AUGCCCCACUUUCCCGCCUUU
mature:
AACCGGUUGGUGGGAGGCAUG

ENERGY = -27.6

total reads	mature	loop	star
5	5	0	0

Bases 1 to 48

```
      10      20
AAC--|  UU  A  G
      CGGG  GGUGGG GGCAU G
      GCCC  UCACCC CCGUA U
UUUCC~  UU  C  C
      40      30
```

NA

egr-new-125

hairpin:
CGUCUGCAUGUCUUUGGGGCCUACAAGGGUGUCUGCGGGCGGAUGGC
mature:
GGGUGUCUGCGGGCGGAUGGC

ENERGY = -20.9

total reads	mature	loop	star
1854	1854	0	0

Bases 1 to 49

```
      10      20
--|   A  CUUU G  A
   CGUCUGC UGU  GG GCCCU C
   GUAGGCG GCG  CU UGGGA A
CG^   G  U--- G  A
      40      30
```

NA

egr-new-126

hairpin:
CCUCGUCUCGUCUCGUCUCGCCUCGGAAGAGAGAGAGGGAAGGGAGAGGCG
mature:
CCUCGUCUCGUCUCGUCUC

ENERGY = -26.7

total reads	mature	loop	star
229	229	0	0

Bases 1 to 52

```
      10      20
--|   G  G  GU  GC  G
   CCUC UCUC UCUC  CUC  CUC G
   GGAG AGGG AGGG  GAG  GAG A
GC^  -  A  AG  A-  A
      50      40      30
```

NA

egr-new-127

hairpin:

CGGAGGGGUCUGGGAGCUUCUGGCAUGGCCAAGGGUCAUAAUGCUGGGCAAGAAGUACAAUGACCGUGUCCUUAAU

mature:

CGGAGGGGUCUGGGAGCUUCUG

ENERGY = -27.6

total reads	mature	loop	star
5	5	0	0

Bases 1 to 78

```
          10      20          30
C----- GG-  UGGGA  -----  ---|  C
          GGA  GGUC  GCUUCU  GGCA  UGCC A
          CCU  CCAG  UGAAGA  UCGU  ACUGG A
UAAUUU  GUG  UAACA  ACGGG  AAU^  G
          70      60      50      40
```

NA

egr-new-128

hairpin:

AAAUGGACCACAAAGAACGCGCUAAUAGACAGCGGUCCUUUGUGGUCCAUUUGU

mature:

AAAUGGACCACAAAGAACGC

ENERGY = -35.8

total reads	mature	loop	star
31	31	0	0

Bases 1 to 55

```
          10      20
--|          A      AAU
AAAUGGACCACAAAG ACGCGCU \
UUUACCUGGUGUUUC UGCGCGA  A
UG^          C      CAG
          50      40      30
```

NA

egr-new-130

hairpin:

CAUCCUAAUCCAUGCUUGUUUCAGACUCUGCCGUCGAUUUGGACGCAUUGUCUGGGACGAGGAUAGCGAUGGGAUUUC

mature:

CAUCCUAAUCCAUGCUUGUUUCA

ENERGY = -33.5

total reads	mature	loop	star
5	5	0	0

Bases 1 to 81

	10	20	30	40
C--	AUCC G	UU	UC C	GA
	AUCCUA	AU CUUGUU	CAGAC	UGC GUC U
	UAGGGU	UA GAGCAG	GUCUG	ACG CAG U
CUA^	AGCGA G	GG	UU -	GU
80	70	60	50	

NA

egr-new-131

hairpin:

AAGAAGACCAUAGACACGCACUGCCACAGGCGUACCACAUUUCGGUGCGAUAGACAGGUGGCGGUAUGCGUUUCAAGUGC

mature:

AAGAAGACCAUAGACACGCACU

ENERGY = -28.7

total reads	mature	loop	star
9	9	0	0

Bases 1 to 83

	10	20	30	
AA----	- AG A	U	ACAGG--	ACA
	GAAGAC CAU	AC CGCAC	GCC	CGUACC \
	CUUUUG GUA	UG GCGUG	UGG	GCGUGG U
CGUGAA	C^ -- C	-	ACAGUA	CUU
80	70	60	50	

NA

egr-new-132

hairpin:

UGGUGUGGAGCUGUAGAAUUGGCCGGGAACUCCUGCUAUCAGCAGUAUUUGUCCUCUGUGAAAUGUCGCCCCACAGCAUC

mature:

UGGUGUGGAGCUGUAGAAUUG

ENERGY = -28.1

total reads	mature	loop	star
5	5	0	0

Bases 1 to 84

```
      10      20      30
--  G   A  UGUAGAA-  CC   UC---|  UA
   UG  UGUGG  GC      UAUG  GGAAC   CUGC  \
   AC ACACC  CG      GUGUC  CCCUUG   GACG  U
CU  G   C  UCUGUAUU  U-   UUUAU^  AC
   80     70     60     50
```

NA

egr-new-134

hairpin:

GCGUAGGUGCGCGGGGCGAUUUCGCUUGGACAUACUGUACAGUUAAGUGAAUUAUCUCCCUUCCGCAUUUAGCCC

mature:

UCCCUUCCGCAUUUAGCCC

ENERGY = -26.4

total reads	mature	loop	star
47	47	0	0

Bases 1 to 75

```
      10      20      30
--  G   C-  C  --|  GACAU  G
   GC  UAGGUGCG  GGGG  GAUA  UCGCUUG   ACU  U
   CG  AUUUACGC  UCCC  CUAU  AGUGAAU   UGA  A
CC  -   CU  U  UA^  -----  C
   70     60     50     40
```

NA

egr-new-141

hairpin:

AGGUACUAGGGCUACUGGCAUGGCCUGAAGGCCUAGCCACCCGGUGUGGUACAAUGGCCGAGCCAAAAGGGUUCUUUACCUAA

mature:

AGGUACUAGGGCUACUGGCAUG

ENERGY = -36.2

total reads	mature	loop	star
20	20	0	0

Bases 1 to 84

```
      10      20      30      40
--  CU      ---|  A  UGAAG  GC  A
  AGGUA  AGGGCUAC  UGGC  UGGCC  GCUA  CC  C
  UCCAU  UCUUGGUG  ACCG  GCCGG  UGGU  GG  C
AA  U-      AAA^  A  UAACA  GU  C
  80      70      60      50
```

NA

egr-new-143

hairpin:

AGGACACAGAAGGUGGAACGGAGGCAUCGCUAAUCGAGUAGUGACUUUUCUCCUUUCACUUCGUGUGUGUAUG

mature:

AGGACACAGAAGGUGGAACGGAGGC

ENERGY = -27

total reads	mature	loop	star
18	18	0	0

Bases 1 to 74

```
      10      20      30
AGG--  GA      C  CA--|  AU
  ACACA  AGGUGGAA  GGAGG  UCGCUA  C
  UGUGU  UUCACUU  CCUCU  AGUGAU  G
GUAUG  GC      U  UUUC^  GA
  70      60      50      40
```

NA

egr-new-145

hairpin:

AGAAUGCCCGCAAUAAUUUCUGGCGCCGUAUGUCCUAGCUCGCCGUAAGGUUGUUAGCCAGCUGUUGCGGUCAUGUUG

mature:

AGAAUGCCCGCAAUAAUUUCUG

ENERGY = -29.8

total reads	mature	loop	star
5	5	0	0

Bases 1 to 76

	10	20	30	
AGA- C	UUU	GCCGUAUG	U	
AUG CCGCAAUA	CUGGC	UCCUAGC \		
UAC GCGUUGU	GACCG	GGGAUCG C		
GUUG^ U	C--	AUUGUU--	C	
70	60	50		

NA
