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```
miranda v3.3a      microRNA Target Scanning Algorithm
```

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Authors: Anton Enright, Bino John, Chris Sander and Debora Marks
(mirnatargets (at) cbio.mskcc.org - reaches all authors)

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Enright AJ, John B, Gaul U, Tuschl T, Sander C and Marks DS;
(2003) Genome Biology; 5(1):R1.

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Current Settings:

=====

```
Query Filename:  ./seq/mirna/cotton_mirna.fasta
Reference Filename:  ./seq/gene/cotton/GU385879.fasta
Gap Open Penalty:-9.000000
Gap Extend Penalty:  -4.000000
Score Threshold: 140.000000
Energy Threshold:-20.000000 kcal/mol
Scaling Parameter:   4.000000
```

=====

```
Read Sequence:ghr-miR156a (20 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-
Lu [IN-Luc-Ct-Bea10]□(2736 nt)
```

=====

```
Performing Scan: ghr-miR156a vs GU385879.2
```

=====

Score for this Scan:
No Hits Found above Threshold
Complete

```
Read Sequence:ghr-miR156b (20 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-
Lu [IN-Luc-Ct-Bea10]□(2736 nt)
```

=====

```
Performing Scan: ghr-miR156b vs GU385879.2
```

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR156c (20 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR156c vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR156d (20 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR156d vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR160 (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR160 vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR162a (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR162a vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR164 (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR164 vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR166b (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR166b vs GU385879.2

=====
Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR167a (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====
Performing Scan: ghr-miR167a vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR167b (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====
Performing Scan: ghr-miR167b vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR169a (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====
Performing Scan: ghr-miR169a vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR169b (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====
Performing Scan: ghr-miR169b vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR172 (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====
Performing Scan: ghr-miR172 vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR390a (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR390a vs GU385879.2

Forward: Score: 143.000000 Q:2 to 12 R:2278 to 2298 Align Len (10)
(80.00%) (90.00%)

Query: 3' ccgcgauaggGAGGACUCGAa 5'

| :||||||

Ref: 5' gtaggcctgaCATCTGAGCTt 3'

Energy: -21.480000 kCal/Mol

Scores for this hit:

>ghr-miR390a	GU385879.2	143.00	-21.48	2	12	2278	2298	10
	80.00%	90.00%						

Score for this Scan:

Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max

Energy,Strand,Len1,Len2,Positions

>>ghr-miR390a	GU385879.2	143.00	-21.48	143.00	-21.48
	14	21	2736	2278	

Complete

Read Sequence:ghr-miR390b (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR390b vs GU385879.2

Forward: Score: 143.000000 Q:2 to 12 R:2278 to 2298 Align Len (10)
(80.00%) (90.00%)

Query: 3' ccgcgauaggGAGGACUCGAa 5'

| :||||||

Ref: 5' gtaggcctgaCATCTGAGCTt 3'

Energy: -21.480000 kCal/Mol

Scores for this hit:

>ghr-miR390b	GU385879.2	143.00	-21.48	2	12	2278	2298	10
	80.00%	90.00%						

Score for this Scan:

Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max

Energy,Strand,Len1,Len2,Positions

>>ghr-miR390b	GU385879.2	143.00	-21.48	143.00	-21.48
	15	21	2736	2278	

Complete

Read Sequence:ghr-miR390c (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR390c vs GU385879.2

Forward: Score: 143.000000 Q:2 to 12 R:2278 to 2298 Align Len (10)
(80.00%) (90.00%)

Query: 3' ccgcgauaggGAGGACUCGAa 5'

| :|||||||

Ref: 5' gtaggcctgaCATCTGAGCTt 3'

Energy: -21.480000 kCal/Mol

Scores for this hit:

>ghr-miR390c	GU385879.2	143.00	-21.48	2	12	2278	2298	10
	80.00%	90.00%						

Score for this Scan:

Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max

Energy,Strand,Len1,Len2,Positions

>>ghr-miR390c	GU385879.2	143.00	-21.48	143.00	-21.48
16	21	2736	2278		

Complete

Read Sequence:ghr-miR393 (22 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR393 vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR394a (20 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR394a vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR394b (20 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

Performing Scan: ghr-miR394b vs GU385879.2

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR396a (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR396a vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR396b (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR396b vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR398 (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR398 vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR399a (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR399a vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR399b (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR399b vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR399c (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR399c vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR399d (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR399d vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR399e (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR399e vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR479 (22 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR479 vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR482a (22 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR482a vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR482b (22 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR482b vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR827a (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR827a vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR827b (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR827b vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR827c (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR827c vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR2948-5p (22 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR2948-5p vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR2949a-5p (22 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR2949a-5p vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR2949b (22 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR2949b vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR2949c (22 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR2949c vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR2950 (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR2950 vs GU385879.2
=====

Forward: Score: 142.000000 Q:2 to 17 R:78 to 97 Align Len (15)
(73.33%) (93.33%)

Query: 3' auaagGUGGGGGACGUGUGGu 5'
 |:|:| | | | | | |:
Ref: 5' aataaCGCTCCC-GCACACTa 3'

Energy: -27.389999 kCal/Mol

Scores for this hit:
>ghr-miR2950 GU385879.2 142.00 -27.39 2 17 78 97 15
73.33% 93.33%

Score for this Scan:
Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max
Energy,Strand,Len1,Len2,Positions
>>ghr-miR2950 GU385879.2 142.00 -27.39 142.00 -27.39
38 21 2736 78
Complete

Read Sequence:ghr-miR3476-5p (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR3476-5p vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7484a (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7484a vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7484b (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7484b vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7485 (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7485 vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7486a (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7486a vs GU385879.2

=====

Forward: Score: 171.000000 Q:2 to 22 R:2488 to 2510 Align Len (20)
(75.00%) (90.00%)

Query: 3' aggUGCACCUGUUUCGCGAAGGAa 5'
|: |||: ||||:|||||||
Ref: 5' tgaATTTGGG-AAAGTGCTTCCTc 3'

Energy: -23.150000 kCal/Mol

Scores for this hit:

>ghr-miR7486a	GU385879.2	171.00	-23.15	2	22	2488	2510	20
75.00%	90.00%							

Forward: Score: 141.000000 Q:4 to 23 R:846 to 871 Align Len (21)
(80.95%) (80.95%)

Query: 3' agGUG--CACCUGUUUCGCGAAGgaa 5'
||| ||||| |||||

Ref: 5' gtCACCGGTGGACAATACGCTTCaaa 3'

Energy: -29.280001 kCal/Mol

Scores for this hit:

>ghr-miR7486a	GU385879.2	141.00	-29.28	4 23 846 871	21
80.95%	80.95%				

Score for this Scan:

Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max

Energy,Strand,Len1,Len2,Positions

>>ghr-miR7486a	GU385879.2	312.00	-52.43	171.00	-29.28
43 24	2736 2488 846				

Complete

Read Sequence:ghr-miR7486b (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

=====

Performing Scan: ghr-miR7486b vs GU385879.2

=====

Forward: Score: 171.000000 Q:2 to 22 R:2488 to 2510 Align Len (20)
(75.00%) (90.00%)

Query: 3' aggUGCACCUGUUUCGCGAAGGAa 5'
|: |||: ||||:|||||

Ref: 5' tgaATTTGGG-AAAGTGCTTCCTc 3'

Energy: -23.150000 kCal/Mol

Scores for this hit:

>ghr-miR7486b	GU385879.2	171.00	-23.15	2 22 2488 2510	20
75.00%	90.00%				

Forward: Score: 141.000000 Q:4 to 23 R:846 to 871 Align Len (21)
(80.95%) (80.95%)

Query: 3' agGUG--CACCUGUUUCGCGAAGgaa 5'
||| ||||| |||||

Ref: 5' gtCACCGGTGGACAATACGCTTCaaa 3'

Energy: -29.280001 kCal/Mol

Scores for this hit:

```
>ghr-miR7486b      GU385879.2 141.00      -29.28      4 23 846 871      21
      80.95%      80.95%
```

Score for this Scan:

Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max
Energy,Strand,Len1,Len2,Positions

```
>>ghr-miR7486b      GU385879.2 312.00      -52.43      171.00      -29.28
      44      24      2736      2488 846
```

Complete

Read Sequence:ghr-miR7487 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-
Lu [IN-Luc-Ct-Bea10]□(2736 nt)

```
=====
Performing Scan: ghr-miR7487 vs GU385879.2
=====
```

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7488 (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-
Lu [IN-Luc-Ct-Bea10]□(2736 nt)

```
=====
Performing Scan: ghr-miR7488 vs GU385879.2
=====
```

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7489 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-
Lu [IN-Luc-Ct-Bea10]□(2736 nt)

```
=====
Performing Scan: ghr-miR7489 vs GU385879.2
=====
```

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7490 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-
Lu [IN-Luc-Ct-Bea10]□(2736 nt)

```
=====
Performing Scan: ghr-miR7490 vs GU385879.2
=====
```

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7491 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-
Lu [IN-Luc-Ct-Bea10]□(2736 nt)

```
=====
```

Performing Scan: ghr-miR7491 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7492a (23 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7492a vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7492b (23 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7492b vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7492c (23 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7492c vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7493 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7493 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7494 (23 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7494 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7495a (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR7495a vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7495b (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR7495b vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7496a (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR7496a vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7496b (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR7496b vs GU385879.2
=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7497 (23 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)
=====

Performing Scan: ghr-miR7497 vs GU385879.2
=====

Forward: Score: 148.000000 Q:2 to 22 R:349 to 373 Align Len (22)
(68.18%) (77.27%)

Query: 3' uuGGGU--AUACUGUCAGGUGUACa 5'
|:| | | | | | | | | |

Ref: 5' gtCTCAACTTCGACAGCCCATATGt 3'

Energy: -22.590000 kCal/Mol

Scores for this hit:

>ghr-miR7497	GU385879.2	148.00	-22.59	2	22	349	373	22
68.18%	77.27%							

Score for this Scan:

Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max
Energy,Strand,Len1,Len2,Positions

>>ghr-miR7497	GU385879.2	148.00	-22.59	148.00	-22.59
59	23	2736	349		

Complete

Read Sequence:ghr-miR7498 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7498 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7499 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7499 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7500 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7500 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7501 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7501 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7502 (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

Performing Scan: ghr-miR7502 vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7503 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

Performing Scan: ghr-miR7503 vs GU385879.2

Forward: Score: 161.000000 Q:2 to 18 R:2214 to 2237 Align Len (16)
(81.25%) (81.25%)

Query: 3' agauugaACAAGUCGGUAGCUAGa 5'

|| || |||||

Ref: 5' ctcttgctGATCTTCCATCGATCt 3'

Energy: -23.350000 kCal/Mol

Scores for this hit:

>ghr-miR7503	GU385879.2	161.00	-23.35	2	18	2214	2237	16
	81.25%	81.25%						

Score for this Scan:

Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max

Energy,Strand,Len1,Len2,Positions

>>ghr-miR7503	GU385879.2	161.00	-23.35	161.00	-23.35
65	24	2736	2214		

Complete

Read Sequence:ghr-miR7504a (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

Performing Scan: ghr-miR7504a vs GU385879.2

Score for this Scan:

No Hits Found above Threshold

Complete

Read Sequence:ghr-miR7504b (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

Performing Scan: ghr-miR7504b vs GU385879.2

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7505 (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

Performing Scan: ghr-miR7505 vs GU385879.2

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7506 (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

Performing Scan: ghr-miR7506 vs GU385879.2

Forward: Score: 145.000000 Q:2 to 22 R:509 to 533 Align Len (22)
(59.09%) (81.82%)

Query: 3' cacGGUU-GCGGUAC-AGGGUCUGUa 5'
 :|: |:: || :|||||
Ref: 5' ggtTCAGTCGTT-TGAGTCCAGACat 3'

Energy: -23.330000 kCal/Mol

Scores for this hit:
>ghr-miR7506 GU385879.2 145.00 -23.33 2 22 509 533 22
59.09% 81.82%

Score for this Scan:
Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max
Energy,Strand,Len1,Len2,Positions
>>ghr-miR7506 GU385879.2 145.00 -23.33 145.00 -23.33
69 24 2736 509
Complete

Read Sequence:ghr-miR7507 (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

Performing Scan: ghr-miR7507 vs GU385879.2

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7508 (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7508 vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7509 (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7509 vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7510a (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7510a vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7510b (23 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7510b vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7511 (24 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7511 vs GU385879.2

=====

Score for this Scan:
No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7512 (21 nt)
Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10]□(2736 nt)

=====

Performing Scan: ghr-miR7512 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold
Complete

Read Sequence:ghr-miR7513 (21 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

=====

Performing Scan: ghr-miR7513 vs GU385879.2

=====

Forward: Score: 162.000000 Q:2 to 20 R:1350 to 1372 Align Len (20)
(70.00%) (85.00%)

Query: 3' agUUUGCUAA--GGACCGACUAa 5'

::|||:|| | |||||

Ref: 5' atGGACGGTTGACGTGGCTGATg 3'

Energy: -21.459999 kCal/Mol

Scores for this hit:

>ghr-miR7513	GU385879.2	162.00	-21.46	2	20	1350	1372	20
	70.00%	85.00%						

Score for this Scan:

Seq1,Seq2,Tot Score,Tot Energy,Max Score,Max

Energy,Strand,Len1,Len2,Positions

>>ghr-miR7513	GU385879.2	162.00	-21.46	162.00	-21.46			
	77	21	2736	1350				

Complete

Read Sequence:ghr-miR7514 (24 nt)

Read Sequence:GU385879.2 Cotton Leaf Curl Kokhran Virus-Lucknow CLCuKoV-Lu [IN-Luc-Ct-Bea10] (2736 nt)

=====

Performing Scan: ghr-miR7514 vs GU385879.2

=====

Score for this Scan:

No Hits Found above Threshold

Complete

Scan Complete

RNA22 v2 results

Results have been computed and are shown below. If there are no results shown, it means your chosen

parameters yielded no results.

Note: The p-value represents the likelihood that the target site loci is random. That is, a lower

p-value represents a greater chance that the loci contains a valid MRE

```
ghr_miR2950      GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[78,97] -23.70 AATAACGCTCCCGCACACTA  TGGTGTGCAGGGGGTGAATA
      .(((.((((((((((((((((((( ))) )))))))..))))). 17      20      0.223000
ghr_miR169a      GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[691,711] -16.70 GTGTGATGTTTTCTTGTTA  TAGCCAAGGATGACTTGCGTG
      .....(((.(((((((((((. ))) )))))))..))))..... 12      21      0.156000
ghr_miR393       GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[1735,1758] -16.10 TATTTGATTGCCAGTCCTTTTGGG
      TCCAAAGGGATCGCATTGATCT ...((.(((.(((.(((((((((((
      ))))))) ))))..)).. 16      24      0.203000
ghr_miR390a      GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[2281,2298] -18.00 GGCCTGACATCTGAGCTT  AAGCTCAGGAGGGATAGCGCC
      ((((((.(((.((((((((((( ))) )))))))..))..))..)) 15      18      0.148000
ghr_miR390b      GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[2281,2298] -18.00 GGCCTGACATCTGAGCTT  AAGCTCAGGAGGGATAGCGCC
      ((((((.(((.((((((((((( ))) )))))))..))..))..)) 15      18      0.148000
ghr_miR390c      GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[2281,2298] -18.00 GGCCTGACATCTGAGCTT  AAGCTCAGGAGGGATAGCGCC
      ((((((.(((.((((((((((( ))) )))))))..))..))..)) 15      18      0.148000
ghr_miR7486a     GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[2488,2510] -21.30 TGAATTTGGGAAAGTGCTTCCTC
      AAGGAAGCGCTTTGTCCACGTGGA .....(((.(((((((((((((((
      ))))))) ))))..))..... 16      23      0.007520
ghr_miR7486b     GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[2489,2510] -21.30 GAATTTGGGAAAGTGCTTCCTC AAGGAAGCGCTTTGTCCACGTGG
      .....(((.(((((((((((((((. ))) ))))))) ))))..... 16      22
      0.007520
ghr_miR7512      GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[917,938] -16.70 TGTGTATAACCAGCAGGAAGCT TGCTACTTGTAGTTATGCATG
      .(((((((((((.(((.((((((((((( ))) )))))))..))))). 17      22      0.188000
ghr_miR7513      GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[1350,1372] -17.50 ATGGACGGTTGACGTGGCTGATG
      AATCAGCCAGGAATCGTTTGA ....(((.(((.(((.(((((((((((
      ))))))) ))))..))..... 15      23      0.319000
ghr_miR7489      GU385879.2 Cotton leaf curl Kokhran virus_Lucknow      target
from/to=[1408,1430] -16.50 GCGACATCCTGCAAGGCTGCAAA
      ATTGTTGCCAATACAGGAGAACGT (((.(((.(((.(((.(((.
      ))))..))..))..)).. 15      23      0.355000
```

Prediction by psRNATarget

#Please import the downloaded file into Microsoft Excel or other spreadsheet software

miRNA_Acc.	Target_Acc.	Expectation	UPE\$	miRNA_start	miRNA_end	Target_start	Target_end	miRNA_aligned_fragment	alignment	Target_aligned_fragment	Inhibition	Target_Desc.	Multiplicity
ghr-miR7484a	GU385879.2	5.0	-1.0	1	24	2680	2703	UUUGUAUUAUAGAUCAAAGAGCAA	:::: ::::: :: ::::	AAAAACUUUAAUUUGAAAUUCAAA	Cleavage	Cotton leaf curl Kokhran	2
virus-Lucknow													
ghr-miR7484b	GU385879.2	5.0	-1.0	1	24	2680	2703	UUUGUAUUAUAGAUCAAAGAGCAA	:::: ::::: :: ::::	AAAAACUUUAAUUUGAAAUUCAAA	Cleavage	Cotton leaf curl Kokhran	2
virus-Lucknow													
ghr-miR7486a	GU385879.2	5.0	-1.0	1	24	2488	2510	AAGGAAGCGCUUUGUCCACGUGGA	:: ::::: ::::: :::::	UGAAUUUGGG-AAAGUCUUCUC	Cleavage	Cotton leaf curl Kokhran	1
virus-Lucknow													
ghr-miR7486b	GU385879.2	5.0	-1.0	1	24	2488	2510	AAGGAAGCGCUUUGUCCACGUGGA	:: ::::: ::::: :::::	UGAAUUUGGG-AAAGUCUUCUC	Cleavage	Cotton leaf curl Kokhran	1
virus-Lucknow													
ghr-miR7492a	GU385879.2	5.5	-1.0	1	23	901	923	CUAUAGAACAUGAUCUUUAGCGG	:::: ::::: ::::: :::::	GGGUUAAUAAUUAUGUUGUGUAU	Cleavage	Cotton leaf curl Kokhran	2
virus-Lucknow													
ghr-miR7492b	GU385879.2	5.5	-1.0	1	23	901	923	CUAUAGAACAUGAUCUUUAGCGG	:::: ::::: ::::: :::::	GGGUUAAUAAUUAUGUUGUGUAU	Cleavage	Cotton leaf curl Kokhran	2
virus-Lucknow													
ghr-miR7492c	GU385879.2	5.5	-1.0	1	23	901	923	CUAUAGAACAUGAUCUUUAGCGG	:::: ::::: ::::: :::::	GGGUUAAUAAUUAUGUUGUGUAU	Cleavage	Cotton leaf curl Kokhran	2
virus-Lucknow													
ghr-miR7510b	GU385879.2	5.5	-1.0	1	23	1581	1603	AAGAACAUGAUCUUUAGCGGCGU	:: ::::: ::::: :::::	AGAGUGAUGAAGAUCGCAUUCUU	Cleavage	Cotton leaf curl Kokhran	2
virus-Lucknow													
ghr-miR2949b	GU385879.2	6.0	-1.0	1	22	853	874	UCUUUUGAACUGGAUUUGCCGA	:: ::::: ::::: :::::	GUGGACAAUACGCUUCAAGGA	Translation	Cotton leaf curl Kokhran virus-Lucknow	1
ghr-miR2949c	GU385879.2	6.0	-1.0	1	22	853	874	UCUUUUGAACUGGAUUUGCCGA	:: ::::: ::::: :::::	GUGGACAAUACGCUUCAAGGA	Translation	Cotton leaf curl Kokhran virus-Lucknow	1
ghr-miR3476-5p	GU385879.2	6.0	-1.0	1	21	765	785	UGAACUGGGUUUGUUGGCUGC	: ::::: ::::: :::::	UUUGAUAAUGAGCCCAGUACG	Cleavage	Cotton leaf curl Kokhran virus-Lucknow	1
ghr-miR396a	GU385879.2	6.0	-1.0	1	21	1250	1270	UUCACAGCUUUCUUGAACUG	:: ::::: ::::: :::::	CAGAUUCGGAAAGCUAUGAAA	Cleavage	Cotton leaf curl Kokhran virus-Lucknow	1

ghr-miR396b	GU385879.2	6.0	-1.0	1	21	1250	1270	
	UUCCACAGCUUUCUUGAACUG		:: :	.....	:: :	CAGAUUCGGAAGCUAUGAAA		
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	1				
ghr-miR7497	GU385879.2	6.0	-1.0	1	23	155	176	
	ACAUGUGGACUGUCAUAUGGGUU		::: ::	.....	::	UUCCCCUAU-		
	ACGGUUCACGGGU	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	2			
ghr-miR7500	GU385879.2	6.0	-1.0	1	24	674	697	
	AUCGAGUUAUUCGAGUUAUUCGAG		:: : ::	.....	....	
	GAAGAAUCACACGAAUAGUGUGAU	Cleavage	Cotton leaf curl	Kokhran				
	virus-Lucknow	1						
ghr-miR7503	GU385879.2	6.0	-1.0	1	24	2215	2237	
	AGAUCGAUGGCUGAACAAAGUUAGA		::: ::	:	.....	UCUUGCU-		
	GAUCUCCAUCGAUCU	Translation	Cotton leaf curl	Kokhran virus-Lucknow	1			
ghr-miR7505	GU385879.2	6.0	-1.0	1	21	2049	2069	
	UUCAGAAACCAUCCCUUCCUU		.....	.....	:	.....	AGGGAGCCGGUGGCUCUGGAA	
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	1				
ghr-miR7513	GU385879.2	6.0	-1.0	1	21	2540	2560	
	AAUCAGCCAGGAAUCGUUUGA	:	.....	.....	:	UGAAAUAGUUUUUGGCUUGUA		
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	1				
ghr-miR827a	GU385879.2	6.0	-1.0	1	21	740	760	
	UUAGAUGACCAUCAACAAACA	:	:: :	.....	.....	AGAUUUUGGAUGGGUGUUUAA		
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	1				
ghr-miR827b	GU385879.2	6.0	-1.0	1	21	740	760	
	UUAGAUGACCAUCAACAAACA	:	:: :	.....	.....	AGAUUUUGGAUGGGUGUUUAA		
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	1				
ghr-miR827c	GU385879.2	6.0	-1.0	1	21	740	760	
	UUAGAUGACCAUCAACAAACA	:	:: :	.....	.....	AGAUUUUGGAUGGGUGUUUAA		
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	1				
ghr-miR2949a-5p	GU385879.2	6.5	-1.0	1	22	319	340	
	ACUUUUGAACUGGAUUUGCCGA		:: . ::	.....			
	UUUCCACGCCCGCUUCGAAGGU	Translation	Cotton leaf curl	Kokhran virus-				
	Lucknow	1						
ghr-miR2950	GU385879.2	6.5	-1.0	1	21	78	97	
	UGGUGUGCAGGGGGUGGAAUA	::	.....	.....	.....	AAUACGCUCCC-GCACACUA		
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	1				
ghr-miR7484a	GU385879.2	6.5	-1.0	1	24	1081	1105	UUUGUAUUAU-
	UAGAUCAAAGAGCAA	.....	.....	.....	AAGAUGAUUGGUCUACAUAUACAAC			
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	2				
ghr-miR7484b	GU385879.2	6.5	-1.0	1	24	1081	1105	UUUGUAUUAU-
	UAGAUCAAAGAGCAA	.....	.....	.....	AAGAUGAUUGGUCUACAUAUACAAC			
	Cleavage	Cotton leaf curl	Kokhran virus-Lucknow	2				
ghr-miR7492a	GU385879.2	6.5	-1.0	1	23	1094	1116	
	CUAUAGAACAUGAUCUUUAGCGG		:: : :	.....	.....	
	UACAUAUACAACAUGCUCUGUAA	Cleavage	Cotton leaf curl	Kokhran				
	virus-Lucknow	2						
ghr-miR7492b	GU385879.2	6.5	-1.0	1	23	1094	1116	
	CUAUAGAACAUGAUCUUUAGCGG		:: : :	.....	.....	
	UACAUAUACAACAUGCUCUGUAA	Cleavage	Cotton leaf curl	Kokhran				
	virus-Lucknow	2						
ghr-miR7492c	GU385879.2	6.5	-1.0	1	23	1094	1116	
	CUAUAGAACAUGAUCUUUAGCGG		:: : :	.....	.....	
	UACAUAUACAACAUGCUCUGUAA	Cleavage	Cotton leaf curl	Kokhran				
	virus-Lucknow	2						

ghr-miR7497	GU385879.2	6.5	-1.0	1	23	459	481	
	ACAUGUGGACUGUCAUAUGGGUU				....	.	.....	....
	AGGAUGUACAGAAGUCCAGAUGU				Cleavage		Cotton leaf curl	Kokhran
virus-Lucknow	2							
ghr-miR7504b	GU385879.2	6.5	-1.0	1	24	1615	1638	
	AGGAGGAAAAAUCUGAUUUGUCAU				...	....	::	.....
	UUUUUAGUGCAGAAUUCUUCUCUU				Translation		Cotton leaf curl	Kokhran
virus-Lucknow	1							
ghr-miR7510b	GU385879.2	6.5	-1.0	1	23	805	827	
	AAGAACAUGAUCUUUAGCGGCGU				..	....	....	.....
	AUCGUGAUAGGUAUCAAGUUCUG				Cleavage		Cotton leaf curl	Kokhran
virus-Lucknow	2							

RNAhybrid
Individual hits

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR156a
length: 20

mfe: -21.7 kcal/mol
p-value: 1.000000e+00

position 2500
target 5' A C AG A 3'
GUGCUU CUCUUU UG
CACGAG GAGAGA AC
miRNA 3' U AG AGU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR156b
length: 20

mfe: -21.7 kcal/mol
p-value: 1.000000e+00

position 2500
target 5' A C AG A 3'
GUGCUU CUCUUU UG
CACGAG GAGAGA AC
miRNA 3' U AG AGU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR156c
length: 20

mfe: -23.5 kcal/mol
p-value: 1.000000e+00

position 2500
target 5' A C AG G 3'
GUGCUU CUCUUU UGA
CACGAG GAGAGA ACU
miRNA 3' U AG GU 5'

dataset: 1
target: GU385879.2

length: 2736
miRNA : ghr-miR156d
length: 20

mfe: -21.7 kcal/mol
p-value: 1.000000e+00

position 2500
target 5' A C AG A 3'
GUGCUU CUCUUU UG
CACGAG GAGAGA AC
miRNA 3' U AG AGU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR160
length: 21

mfe: -25.0 kcal/mol
p-value: 1.000000e+00

position 2044
target 5' A G GGA CG G A 3'
AUUAU GC GUGGCUCCU A
UAUGU CG UACCGAGGA U
miRNA 3' A G AU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR162a
length: 21

mfe: -22.3 kcal/mol
p-value: 1.000000e+00

position 1665
target 5' U UCCUUGAU A 3'
UGGG UGCAGAGG
ACCU ACGUCUCC
miRNA 3' G AAAUAGCU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR164
length: 21

mfe: -27.2 kcal/mol
p-value: 1.000000e+00

position 375
target 5' A G CCCC A G C 3'
GC CGUGCU CUGC UU UCCG
CG GCACGG GACG AA AGGU
miRNA 3' A U G 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR166b
length: 21

mfe: -23.9 kcal/mol
p-value: 1.000000e+00

position 2038
target 5' A A AUAUAG GG C U A 3'
GG GAA GGAGCC UGG UCC GA
CC CUU CUUCGG ACC AGG CU
miRNA 3' C A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR167a
length: 21

mfe: -23.1 kcal/mol
p-value: 1.000000e+00

position 1400
target 5' C GACAUCUGCAA U A 3'
AGAUUAUGC GGC GC
UCUAGUACG CCG CG
miRNA 3' A A U AAGU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR167b
length: 21

mfe: -23.1 kcal/mol
p-value: 1.000000e+00

position 1400
target 5' C GACAUCUGCAA U A 3'
AGAUUAUGC GGC GC
UCUAGUACG CCG CG
miRNA 3' A A U AAGU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR169a
length: 21

mfe: -25.0 kcal/mol
p-value: 1.000000e+00

position 1820
target 5' C UACUGUAUAC G C 3'
 CAGGC GUCAU CCUU GGCU
 GUCCG CAGUA GGAA CCGA
miRNA 3' UU U 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR169b
length: 21

mfe: -27.2 kcal/mol
p-value: 1.000000e+00

position 2180
target 5' G UAAG G G U 3'
 CGGCG CGUC U GGCUG
 GCCGU GUAG A CCGAC
miRNA 3' G UUA G A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR172
length: 21

mfe: -26.6 kcal/mol
p-value: 1.000000e+00

position 2177
target 5' G AAG U CUG G 3'
 CUGCGGCGU CGUCG GGG UCU
 GACGUCGUA GUAGU CCU AGA
miRNA 3' A 5'

dataset: 1
target: GU385879.2
length: 2736

miRNA : ghr-miR390a
length: 21

mfe: -26.8 kcal/mol
p-value: 1.000000e+00

position 2196
target 5' G UGUCU CUU G 3'
GGC GCUGU CCUCCU GCU
CCG CGAUA GGAGGA CGA
miRNA 3' G CU A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR390b
length: 21

mfe: -26.8 kcal/mol
p-value: 1.000000e+00

position 2196
target 5' G UGUCU CUU G 3'
GGC GCUGU CCUCCU GCU
CCG CGAUA GGAGGA CGA
miRNA 3' G CU A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR390c
length: 21

mfe: -26.8 kcal/mol
p-value: 1.000000e+00

position 2196
target 5' G UGUCU CUU G 3'
GGC GCUGU CCUCCU GCU
CCG CGAUA GGAGGA CGA
miRNA 3' G CU A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR393
length: 22

mfe: -23.2 kcal/mol
p-value: 1.000000e+00

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR396b
length: 21

mfe: -22.5 kcal/mol
p-value: 1.000000e+00

position 1226
target 5' C C A U 3'
CAGU GGAGGCUGUG GG
GUCA CUUUCGACAC CU
miRNA 3' AGUU U 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR398
length: 21

mfe: -23.4 kcal/mol
p-value: 1.000000e+00

position 2469
target 5' C A UG U U 3'
G GGGUG UUGA GGC
C CCCAC GACU UUG
miRNA 3' UU UG C UGU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR399a
length: 21

mfe: -21.9 kcal/mol
p-value: 1.000000e+00

position 2633
target 5' A UG UCAAUAUAUAGU A AA A 3'
UCGG A GAUC CCA UGGC
GGCC U UUAG GGU ACCG
miRNA 3' UG A A C 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR399b

length: 21

mfe: -21.9 kcal/mol
p-value: 1.000000e+00

position 2633

```
target 5' A   UG UCAAUAUAUAGU   A   AA   A 3'
          UCGG A               GAUC CCA UGGC
          GGCC U               UUAG GGU ACCG
miRNA  3'      UG               A   A   C 5'
```

dataset: 1

target: GU385879.2
length: 2736
miRNA : ghr-miR399c
length: 21

mfe: -24.3 kcal/mol
p-value: 1.000000e+00

position 2616

```
target 5'      G      CC      U 3'
          CAACUCUCC  GGUA
          GUUGAGAGG  CCGU
miRNA  3' UUCCG      AAA      5'
```

dataset: 1

target: GU385879.2
length: 2736
miRNA : ghr-miR399d
length: 21

mfe: -21.6 kcal/mol
p-value: 1.000000e+00

position 2047

```
target 5' A      AG      GG      U 3'
          UAGGG      CC  UGGC
          GUCCC      GG  ACCG
miRNA  3'      GUUUAGA  AA      U 5'
```

dataset: 1

target: GU385879.2
length: 2736
miRNA : ghr-miR399e
length: 21

mfe: -21.0 kcal/mol
p-value: 1.000000e+00

position 2615

```
target 5'      U      C      CC      U 3'
           GCAA UCUC  GGUA
           CGUU AGAG  CCGU
miRNA  3' GCCC      U      AAA      5'
```

```
dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR479
length: 22
```

```
mfe: -24.6 kcal/mol
p-value: 1.000000e+00
```

```
position 371
target 5' U      UGCUGCU  CCCAU  C      U 3'
           GUGAGCCG      GCC      UGU CGCG
           UACUCGGC      UGG      AUA GUGC
miRNA  3' C      U      UU      5'
```

```
dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR482a
length: 22
```

```
mfe: -26.0 kcal/mol
p-value: 1.000000e+00
```

```
position 581
target 5' U      C      CUUACCCAUA      U      G 3'
           GGUA UGGG      GAGUGGG AAGA
           CCAU ACCC      CUCAUCC UUCU
miRNA  3'      UC      U      5'
```

```
dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR482b
length: 22
```

```
mfe: -30.5 kcal/mol
p-value: 1.000000e+00
```

```
position 581
target 5' U      C      CUUACCCAUA      G 3'
           GGUA UGGG      GAGUGGGUAAGA
           CCGU ACCC      CUCAUCCGUUCU
miRNA  3'      AC      5'
```

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR827a
length: 21

mfe: -21.0 kcal/mol
p-value: 1.000000e+00

position 2473
target 5' G G CUUGA G 3'
GU UGUUGAUGG AUUUGG
CA ACAACUACC UAGAUU
miRNA 3' A A AG 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR827b
length: 21

mfe: -21.0 kcal/mol
p-value: 1.000000e+00

position 2473
target 5' G G CUUGA G 3'
GU UGUUGAUGG AUUUGG
CA ACAACUACC UAGAUU
miRNA 3' A A AG 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR827c
length: 21

mfe: -21.0 kcal/mol
p-value: 1.000000e+00

position 2473
target 5' G G CUUGA G 3'
GU UGUUGAUGG AUUUGG
CA ACAACUACC UAGAUU
miRNA 3' A A AG 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR2948-5p
length: 22

mfe: -29.4 kcal/mol
p-value: 1.000000e+00

position 2611
target 5' C A G 3'
UCUUGC ACUCUCCC CG
AGAACG UGAGAGGG GU
miRNA 3' UA GGU U 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR2949a-3p
length: 21

mfe: -20.5 kcal/mol
p-value: 1.000000e+00

position 1655
target 5' A GA CCUUGA G 3'
UAGCUU AUUGGGU UUGCA
AUUGAA UGACCUA AACGU
miRNA 3' AAC 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR2949a-5p
length: 22

mfe: -21.7 kcal/mol
p-value: 1.000000e+00

position 1242
target 5' A C A A 3'
GGU AUCCAG UUCGGAA
CCG UAGGUC AAGUUUU
miRNA 3' AG UU CA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR2949b
length: 22

mfe: -21.7 kcal/mol
p-value: 1.000000e+00

position 1242
target 5' A C A A 3'

```
          GGU  AUCCAG UUCGGAA
          CCG  UAGGUC AAGUUUU
miRNA  3' AG   UU               CU 5'
```

```
dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR2949c
length: 22
```

```
mfe: -21.7 kcal/mol
p-value: 1.000000e+00
```

```
position 1242
target 5'  A   C           A       A   3'
          GGU  AUCCAG UUCGGAA
          CCG  UAGGUC AAGUUUU
miRNA  3' AG   UU               CU 5'
```

```
dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR2950
length: 21
```

```
mfe: -30.2 kcal/mol
p-value: 1.000000e+00
```

```
position 82
target 5'      A               U 3'
          CGCUCCC GCACACUA
          GUGGGGG CGUGUGGU
miRNA  3' AUAAG           A       5'
```

```
dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR3476-3p
length: 21
```

```
mfe: -22.5 kcal/mol
p-value: 1.000000e+00
```

```
position 2470
target 5'  G  GG           A       U 3'
          AG  U   GUGUUG UGGCU
          UC  G   UACAAC ACCGA
miRNA  3' AA  UU AC           A       5'
```

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR3476-5p
length: 21

mfe: -25.8 kcal/mol
p-value: 1.000000e+00

position 421
target 5' G G U AA G 3'
GGC AACAGGCCCA G CA
UCG UUGUUUGGGU C GU
miRNA 3' CG G AA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7484a
length: 24

mfe: -20.9 kcal/mol
p-value: 1.000000e+00

position 1077
target 5' A AAGA GA C C 3'
UUG U UUGGUCUA AUAUACAA
AAC A AACUAGAU UAUAUGUU
miRNA 3' G GA U 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7484b
length: 24

mfe: -20.9 kcal/mol
p-value: 1.000000e+00

position 1077
target 5' A AAGA GA C C 3'
UUG U UUGGUCUA AUAUACAA
AAC A AACUAGAU UAUAUGUU
miRNA 3' G GA U 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7485
length: 24

mfe: -22.2 kcal/mol
p-value: 1.000000e+00

position 1575
target 5' C GAU CGCAU A 3'
 CUUCGAGAGU GAAGAU UCUUU
 GAGGUUCUUA UUUCUA AGAAA
miRNA 3' AG C 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7486a
length: 24

mfe: -30.7 kcal/mol
p-value: 1.000000e+00

position 849
target 5' A UA A 3'
 CCG GUGGACAA CGCUUC
 GGU CACCUGUU GCGAAG
miRNA 3' A G UC GAA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7486b
length: 24

mfe: -30.7 kcal/mol
p-value: 1.000000e+00

position 849
target 5' A UA A 3'
 CCG GUGGACAA CGCUUC
 GGU CACCUGUU GCGAAG
miRNA 3' A G UC GAA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7487
length: 24

mfe: -23.6 kcal/mol
p-value: 1.000000e+00

position 1566
target 5' U G UC A 3'
 AC AGU GUCCU GAGAGUG

UG UCA CAGGA UUCUCAU
miRNA 3' AAU U UA A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7488
length: 21

mfe: -24.2 kcal/mol
p-value: 1.000000e+00

position 2258
target 5' G GUCC UG U 3'
UGUCCCC U UCGA
ACAGGGG A AGUU
miRNA 3' AAA AC UG UU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7489
length: 24

mfe: -24.6 kcal/mol
p-value: 1.000000e+00

position 1447
target 5' U GAA A GUG G 3'
GCGU UCC UG UGGCAGUGAU
UGCA AGG AC ACCGUUGUUA
miRNA 3' AG AUA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7490
length: 24

mfe: -23.5 kcal/mol
p-value: 1.000000e+00

position 562
target 5' G UGUUACUCGU A U 3'
UGUUAGUGA GGU CUGGGCU
GCAGUCACU UCA GAUCUGA
miRNA 3' UG AAA 5'

dataset: 1

target: GU385879.2
length: 2736
miRNA : ghr-miR7491
length: 24

mfe: -28.7 kcal/mol
p-value: 1.000000e+00

position 1743
target 5' U CC U 3'
 GC CAGUCCUUUUGGG CCCA
 CG GUUAGGAGAGCUU GGGU
miRNA 3' C A CUA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7492a
length: 23

mfe: -23.9 kcal/mol
p-value: 1.000000e+00

position 2566
target 5' U UU GG GA A 3'
 CCGCU GGA CAUGUU CUA
 GGCGA UCU GUACAA GAU
miRNA 3' UU A AUC 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7492b
length: 23

mfe: -23.9 kcal/mol
p-value: 1.000000e+00

position 2566
target 5' U UU GG GA A 3'
 CCGCU GGA CAUGUU CUA
 GGCGA UCU GUACAA GAU
miRNA 3' UU A AUC 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7492c
length: 23

mfe: -23.9 kcal/mol

p-value: 1.000000e+00

position 2566

```
target 5' U      UU  GG      GA  A    3'
          CCGCU  GGA  CAUGUU  CUA
          GGCGA  UCU  GUACAA  GAU
miRNA  3'      UU  A              AUC 5'
```

dataset: 1

target: GU385879.2

length: 2736

miRNA : ghr-miR7493

length: 24

mfe: -20.7 kcal/mol

p-value: 1.000000e+00

position 1352

```
target 5' G      CG  GCU      A    3'
          GACGGUUGA  UG      GAUG
          CUGCUAACU  AU      UUAU
miRNA  3' A      UA  AAUU      AA 5'
```

dataset: 1

target: GU385879.2

length: 2736

miRNA : ghr-miR7494

length: 23

mfe: -21.6 kcal/mol

p-value: 1.000000e+00

position 1300

```
target 5' G      GAUU      A    UG  UCGUG  A 3'
          UUGU      GAACUGG  UCC  A      AGU
          AACA      UUUGAUC  AGG  U      UCG
miRNA  3'      AU              UG      A 5'
```

dataset: 1

target: GU385879.2

length: 2736

miRNA : ghr-miR7495a

length: 21

mfe: -21.0 kcal/mol

p-value: 1.000000e+00

position 2276

```
target 5' A  U  CCU      C    3'
          UG  AGG  GACAUCUGAG
          AC  UCC  CUGUAGAUUU
```


miRNA 3' U U CAUU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7495b
length: 21

mfe: -21.0 kcal/mol
p-value: 1.000000e+00

position 2276
target 5' A U CCU C 3'
UG AGG GACAUCUGAG
AC UCC CUGUAGAUUU
miRNA 3' U U CAUU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7497
length: 23

mfe: -28.4 kcal/mol
p-value: 1.000000e+00

position 362
target 5' C UG U 3'
AGCCCAUAUG AG CCG
UUGGGUAUAC UC GGU
miRNA 3' UG A GUACA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7498
length: 24

mfe: -30.9 kcal/mol
p-value: 1.000000e+00

position 370
target 5' A CCGUGCU CCCAU CCGC A 3'
UGUGAG GCUGCC UGU GUCACCA
ACACUC UGAUGG ACA CAGUGGU
miRNA 3' U A 5'

dataset: 1
target: GU385879.2

length: 2736
miRNA : ghr-miR7500
length: 24

mfe: -24.9 kcal/mol
p-value: 1.000000e+00

position 2467
target 5' U GGG UG A 3'
UCGA UG UUGA UGGCUUGA
AGCU AU AGCU AUUGAGCU
miRNA 3' G A UG U A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7501
length: 24

mfe: -24.8 kcal/mol
p-value: 1.000000e+00

position 2428
target 5' A AACUCUCUG U A 3'
UUUCGUGU CAGAGUU GAUGU
AAAGCACA GUCUUAG CUAUA
miRNA 3' AAA U 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7503
length: 24

mfe: -27.0 kcal/mol
p-value: 1.000000e+00

position 2214
target 5' C U GA UU G 3'
UCU GCU UC CCAUCGAUCU
AGA UGA AG GGUAGCUAGA
miRNA 3' U ACA UC 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7504a
length: 24

mfe: -21.5 kcal/mol
p-value: 1.000000e+00

position 670
target 5' A AA C 3'
GACG GAAUCACA
CUGC CUUAGUGU
miRNA 3' UA AC CAAAGUAU 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7504b
length: 24

mfe: -21.5 kcal/mol
p-value: 1.000000e+00

position 1478
target 5' G AACACGGUGAACA CUA C U G 3'
AUGACGAU AGAU UU UC CUCCU
UACUGUUUA UCUA AA AG GAGGA
miRNA 3' G A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7505
length: 21

mfe: -24.7 kcal/mol
p-value: 1.000000e+00

position 2036
target 5' A GAAAUAU GCC GGCUC A 3'
AAGGA AGGGA GGU CUGAA
UCCCU UCCCU CCA GACUU
miRNA 3' A AA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7506
length: 24

mfe: -30.3 kcal/mol
p-value: 1.000000e+00

position 1795
target 5' G CAAUGAC AAA C 3'
GUCGACGUCAU GUU CCAGGCGU
CGGUUGC GGUA CAG GGUCUGUA
miRNA 3' CA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7507
length: 24

mfe: -25.4 kcal/mol
p-value: 1.000000e+00

position 364
target 5' G UAUGUGA G C 3'
 CCCA GCC UGCU GCUGCC
 GGGU CGG AUGA UGAUGG
miRNA 3' UAA AG AA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7508
length: 21

mfe: -21.8 kcal/mol
p-value: 1.000000e+00

position 2282
target 5' G A GAG A 3'
 CCUGAC UCU CUUG
 GGGCUG AGA GAAC
miRNA 3' GAGA A AAA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7509
length: 24

mfe: -20.8 kcal/mol
p-value: 1.000000e+00

position 2162
target 5' C C U G 3'
 UG CUG CG AAAGUGCU
 AC GAC GU UUUCACGA
miRNA 3' UA A U AAACU 5'

dataset: 1
target: GU385879.2
length: 2736

miRNA : ghr-miR7510a
length: 24

mfe: -27.9 kcal/mol
p-value: 1.000000e+00

position 694
target 5' U UUUCUUG A A 3'
 GAUGUU GUUAGAGAUCCU GACC
 UUGC GG CGAUUUCUAGUA CUGG
miRNA 3' AA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7510b
length: 23

mfe: -24.6 kcal/mol
p-value: 1.000000e+00

position 2175
target 5' G GGCGU C GG G 3'
 UGCUGC AAG GUCGUG CU
 GCGGCG UUC UAGUAC GA
miRNA 3' U AU AA A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7511
length: 24

mfe: -22.5 kcal/mol
p-value: 1.000000e+00

position 1399
target 5' C AUUA G UCC G 3'
 CAG UGC ACA UGCAAGGCU
 GUC AUG UGU ACGUUUUGA
miRNA 3' GA G AGA 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7512
length: 21

mfe: -23.5 kcal/mol
p-value: 1.000000e+00

position 917
target 5' U CA AAGC A 3'
GUGUAUAAC GCAGG UGGCA
UACGUAUUG UGUUC AUCGU
miRNA 3' G A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7513
length: 21

mfe: -26.8 kcal/mol
p-value: 1.000000e+00

position 1351
target 5' U GA G G 3'
GGACGGUU C UGGCUGAU
UUUGCUAA G ACCGACUA
miRNA 3' AG G A 5'

dataset: 1
target: GU385879.2
length: 2736
miRNA : ghr-miR7514
length: 24

mfe: -20.7 kcal/mol
p-value: 1.000000e+00

position 1522
target 5' U UC CCCUGUGCUG A 3'
GCG UCUCGCUU UACUUUG
UGC AGAGUGAA GUGAAAU
miRNA 3' UC U UA A 5'
