

Figure S1

Predicted hairpin structures transcribed from the 33 identified MIR loci. Visualizations produced by strucVis as a part of ShortStack alignment of sRNA reads to the genome and de novo identification of MIR loci. For each locus, the predicted secondary structure of a hypothetical precursor RNA is shown. The start and stop of the precursor RNA are not experimentally determined. The precursor RNA is simply extended ~ 20 nucleotides on either end of the miRNA/miRNA* duplex. Each base in the hypothetical precursor RNA is colored based on the depth of coverage in aligned sRNA reads at that base.

Depth of Coverage

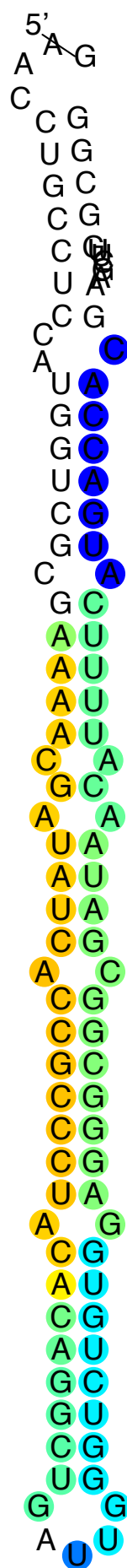


MIR family: unknown

Location: 1H:20913602-20913704

Strand: plus

Name: Cluster_68



Depth of Coverage

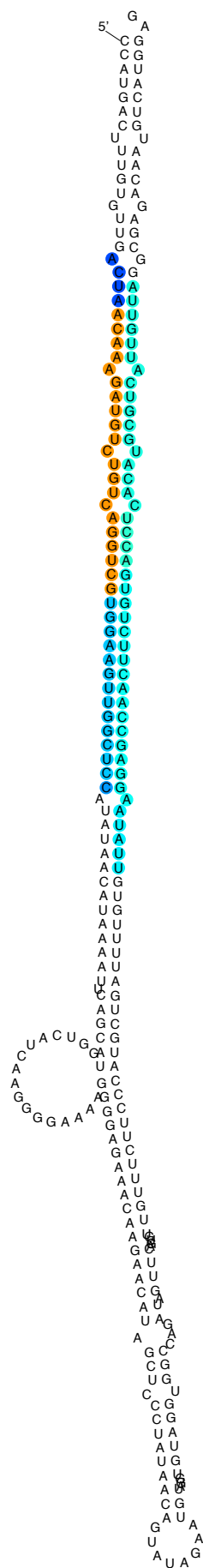


MIR family: unknown

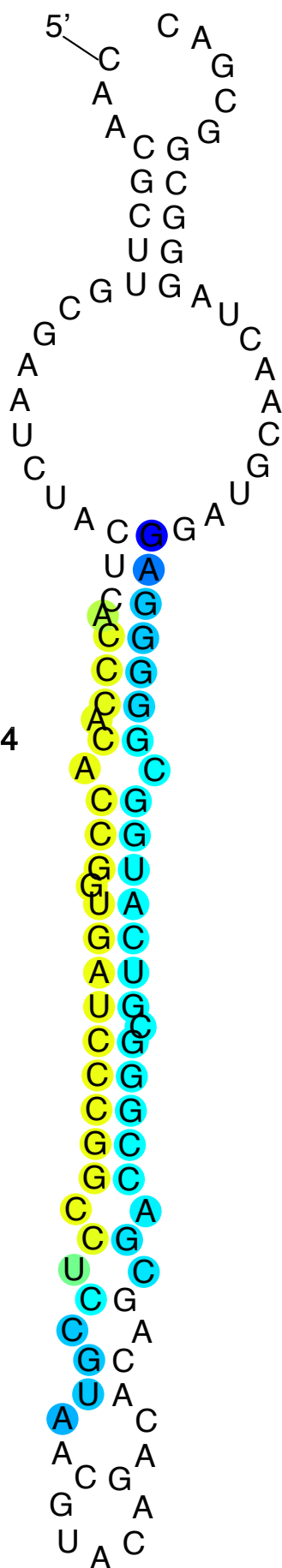
Location: 2H:192275276-192275527

Strand: minus

Name: Cluster_1155



Depth of Coverage



MIR family: unknown

Location: 2H:557132909-557133014

Strand: minus

Name: Cluster_1580

Depth of Coverage

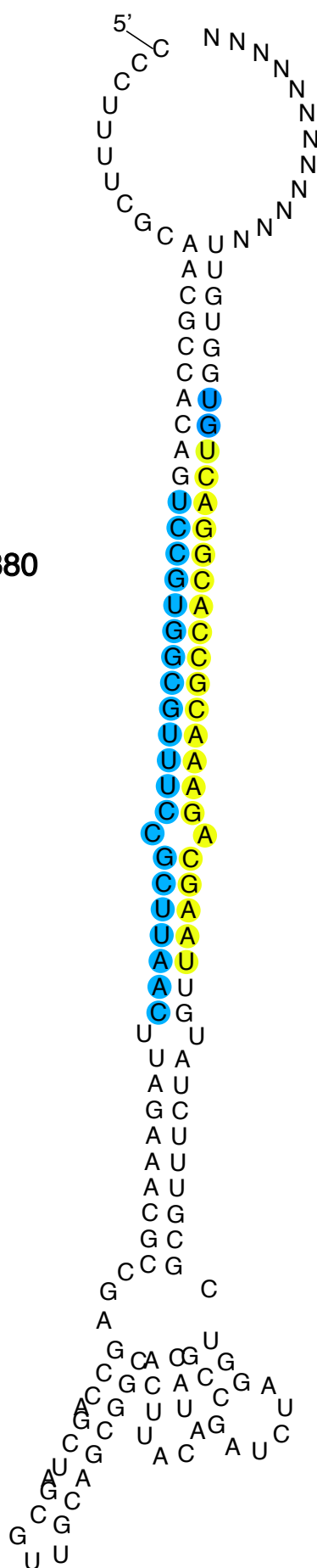


MIR family: unknown

Location: 2H:640670230-640670380

Strand: plus

Name: Cluster_1777



Depth of Coverage

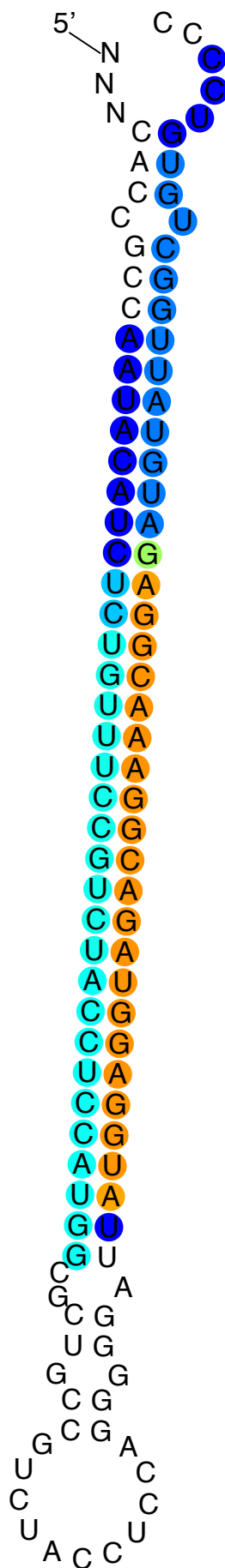


MIR family: unknown

Location: 5H:86631138-86631245

Strand: plus

Name: Cluster_3664

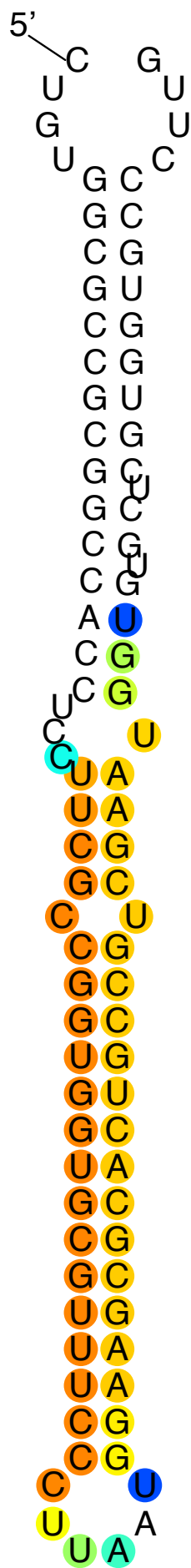


Color scale legend for the number of reads per cell:

- 10^0 (Dark Blue)
- 10^1 (Cyan)
- 10^2 (Yellow)
- 10^3 (Red)
- $\geq 10^4$ (Magenta)

Location: 5H:538351996-538352085

Name: Cluster_4290



Depth of Coverage

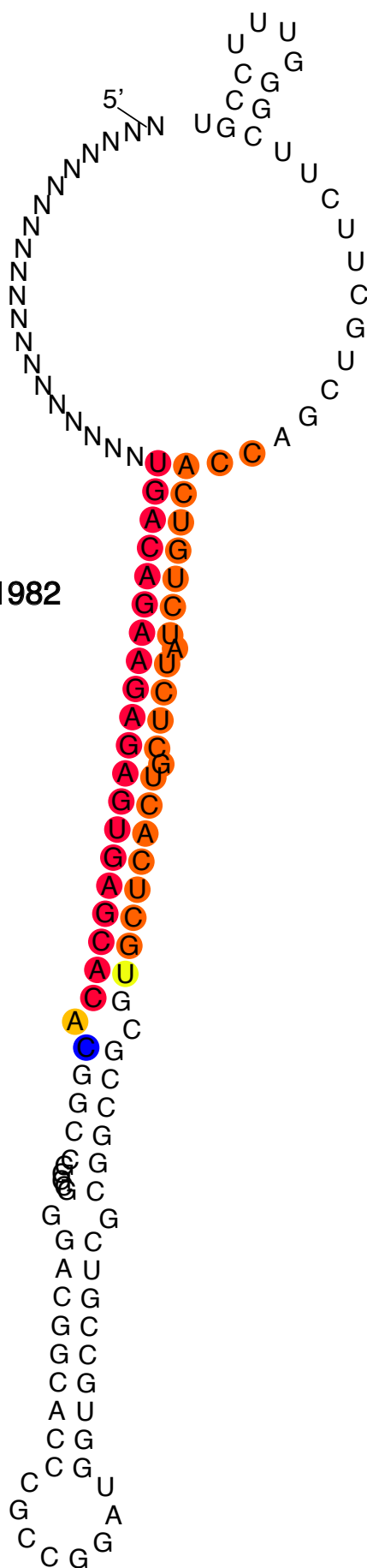


MIR family: miR156

Location: 2H:547101851-547101982

Strand: minus

Name: Cluster_1557



Depth of Coverage

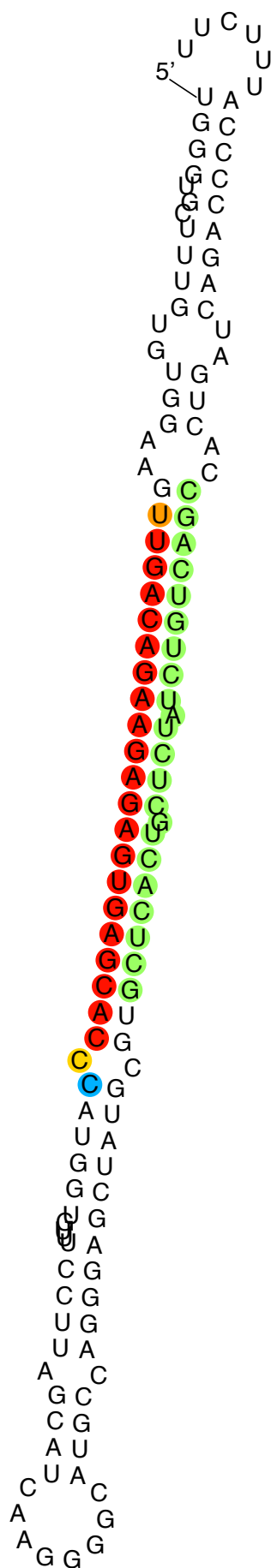


MIR family: miR156

Location: 3H:49404011-49404141

Strand: minus

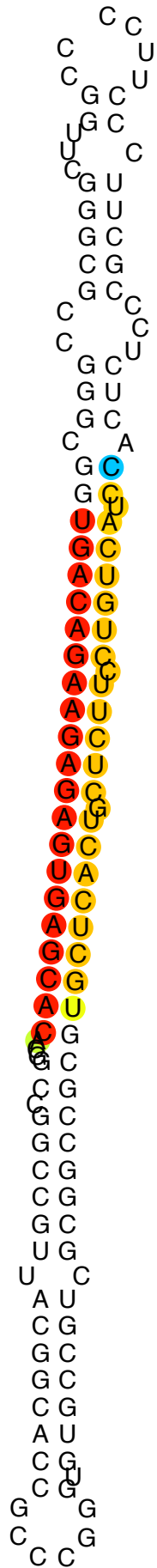
Name: Cluster_1973



 10⁰
 10¹
 10²
 10³
 ≥10⁴

Location: 6H:355385244-355385372

Name: Cluster_4963



Depth of Coverage



MIR family: miR159

Location: 3H:11949359-11949572

Strand: minus

Name: Cluster_1875



Depth of Coverage

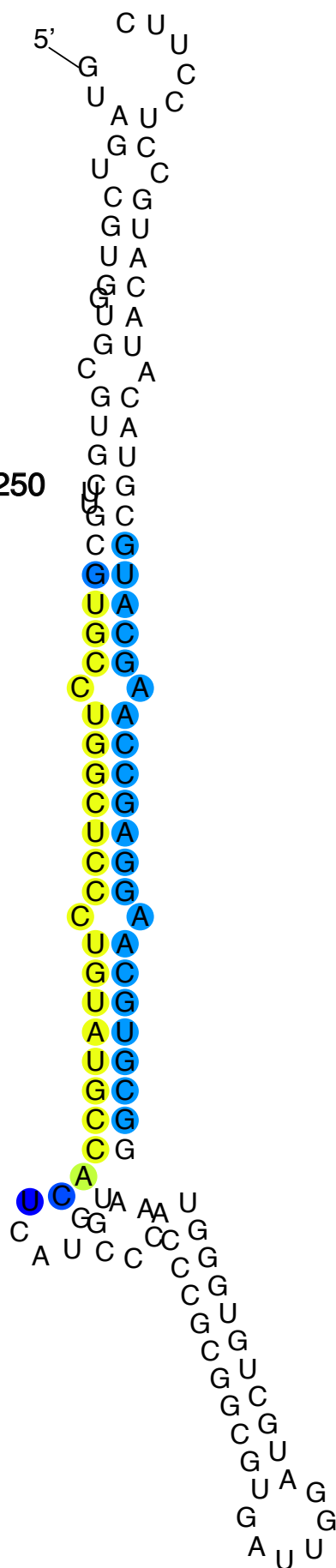


MIR family: miR160

Location: 7H:592808125-592808250

Strand: plus

Name: Cluster_6224

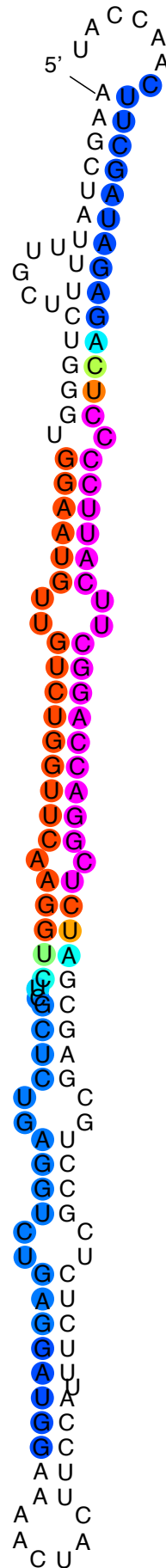


● 10^0



Location: 1H:335384361-335384501

Name: Cluster_426



Depth of Coverage



MIR family: miR166

Location: 4H:561565175-561565321

Strand: plus

Name: Cluster_3396



Depth of Coverage

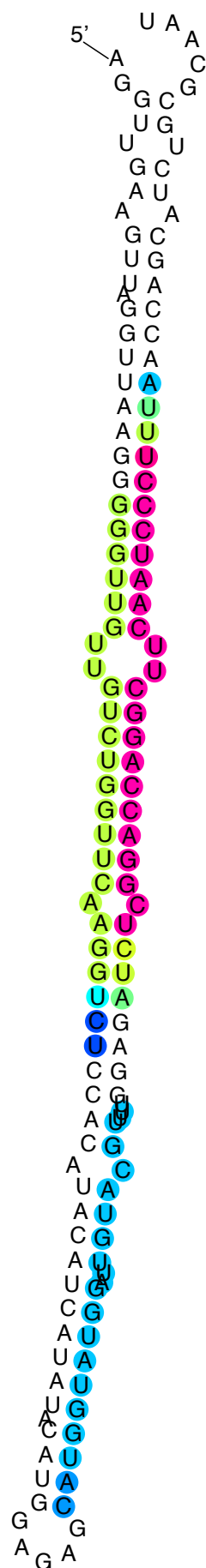


MIR family: miR166

Location: 5H:457063999-457064137

Strand: plus

Name: Cluster_4051



Depth of Coverage

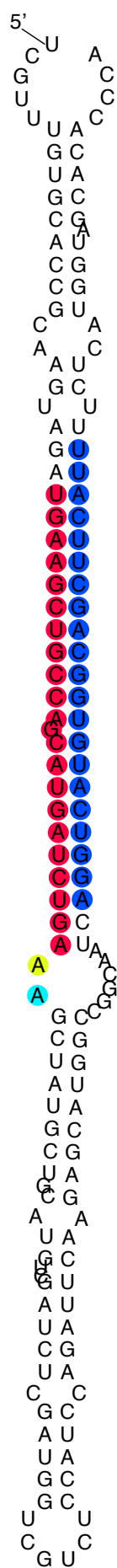


MIR family: miR167

Location: 4H:559503416-559503565

Strand: plus

Name: Cluster_3392



Depth of Coverage

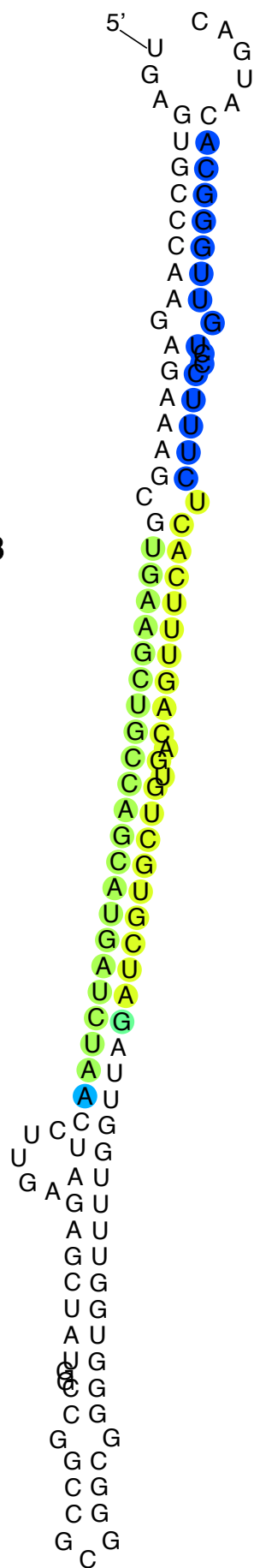


MIR family: miR167

Location: 5H:525224887-525225018

Strand: minus

Name: Cluster_4244



Depth of Coverage

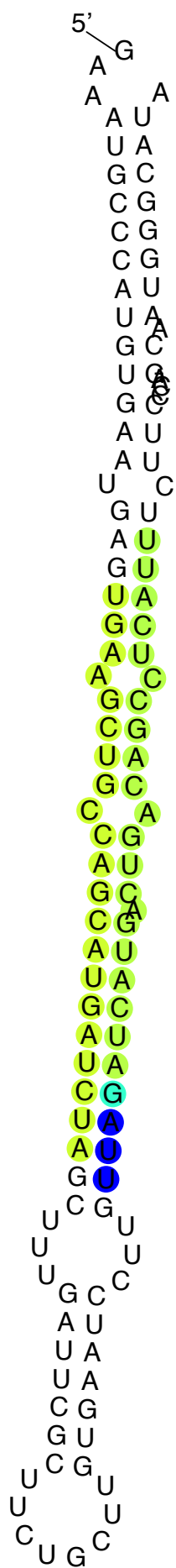


MIR family: miR167

Location: 5H:42176655-42176771

Strand: minus

Name: Cluster_3624



Depth of Coverage

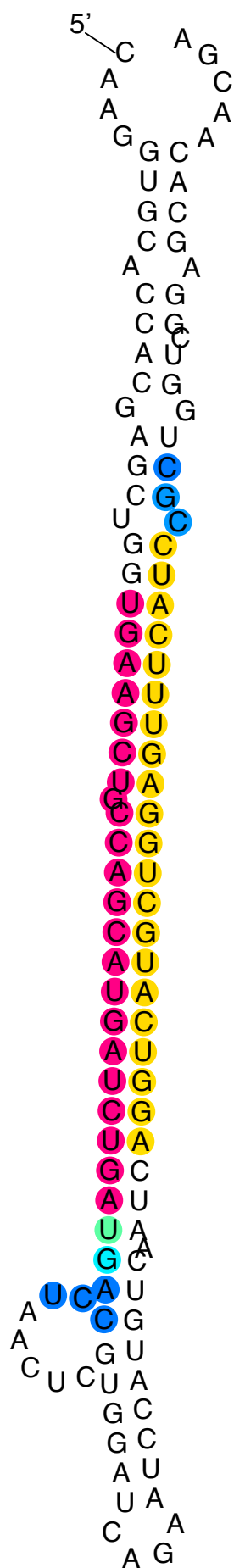


MIR family: miR167

Location: 5H:42174025-42174141

Strand: minus

Name: Cluster_3623



Depth of Coverage

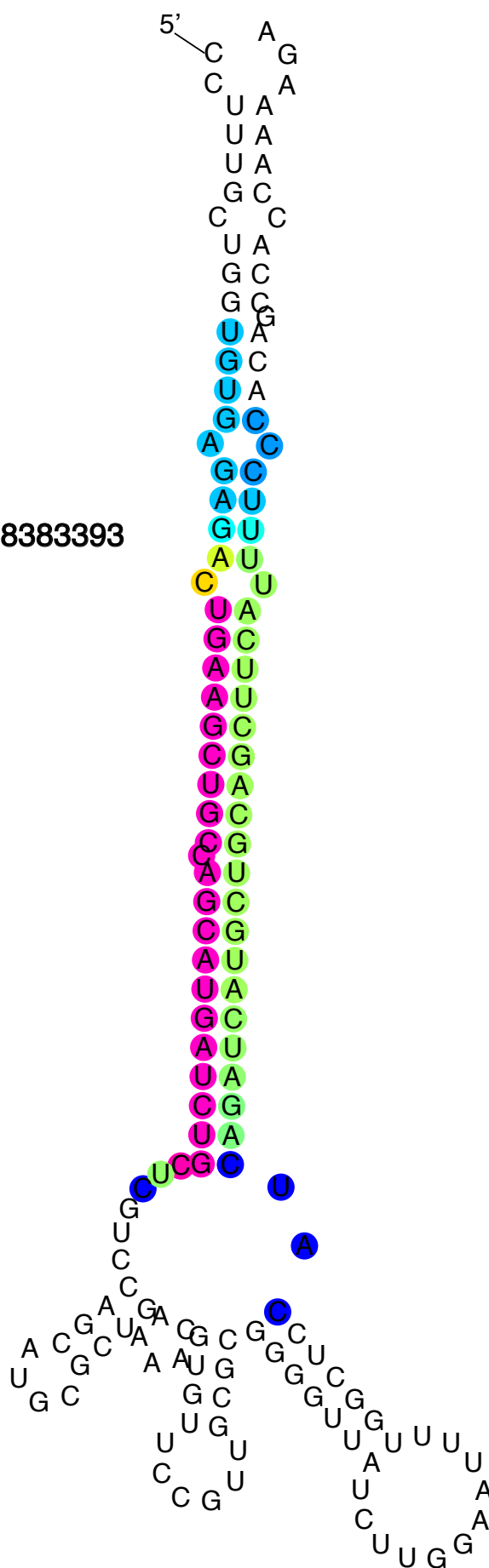


MIR family: miR167

Location: 6H:138383247-138383393

Strand: minus

Name: Cluster_4715



Depth of Coverage

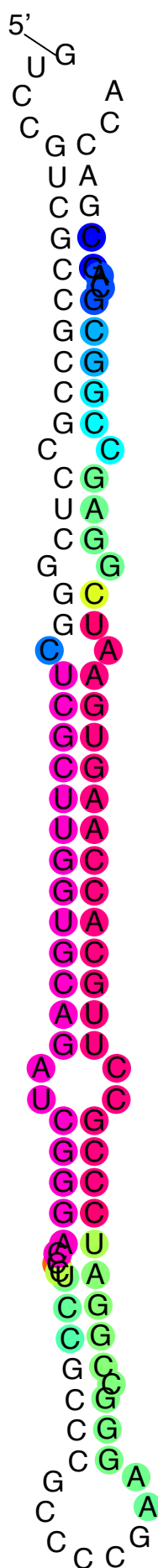


MIR family: miR168

Location: 6H:34273952-34274061

Strand: plus

Name: Cluster_4564



Depth of Coverage

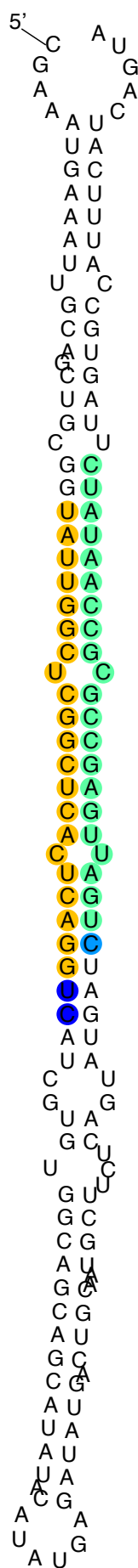


MIR family: miR171

Location: 1H:367870096-367870239

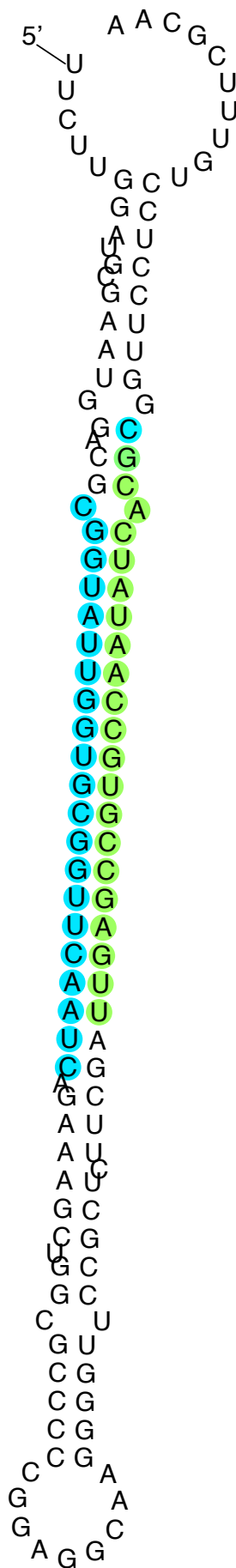
Strand: plus

Name: Cluster_456



Location: 2H:610738330-610738453

Name: Cluster_1682



Depth of Coverage

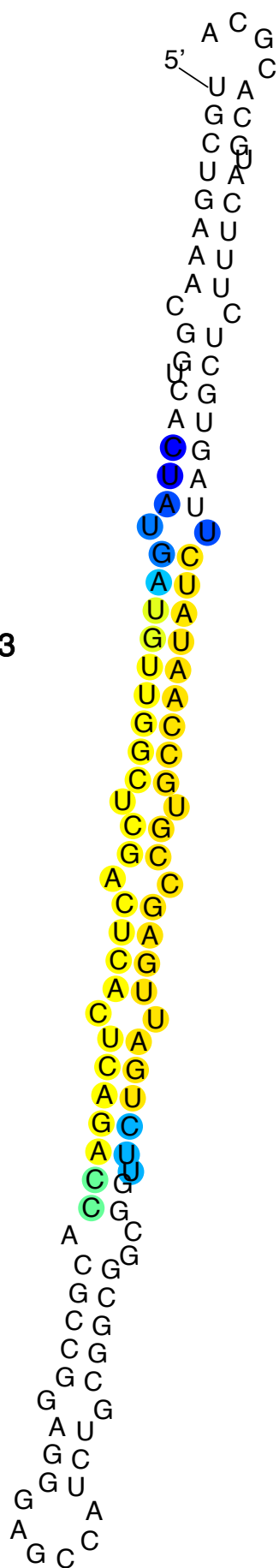


MIR family: miR171

Location: 4H:584947356-584947473

Strand: minus

Name: Cluster_3461



Depth of Coverage

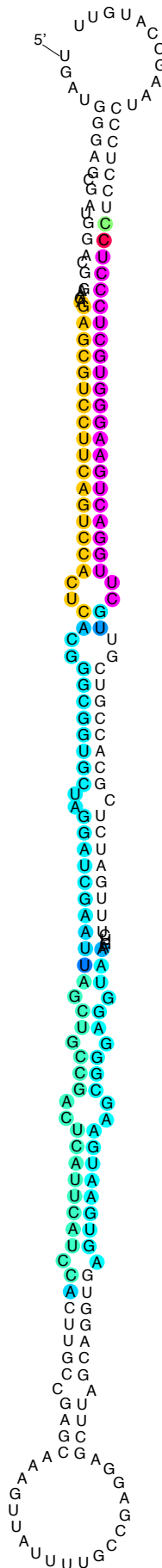


MIR family: miR319

Location: 3H:121156063-121156278

Strand: plus

Name: Cluster_2046



Depth of Coverage

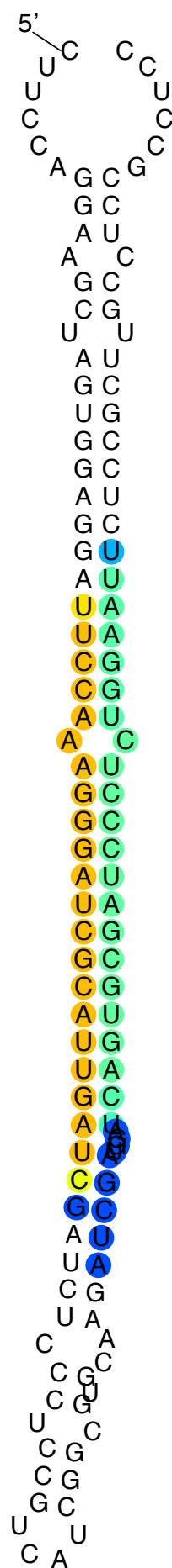


MIR family: miR393

Location: 2H:655580443-655580564

Strand: plus

Name: Cluster_1822



Depth of Coverage

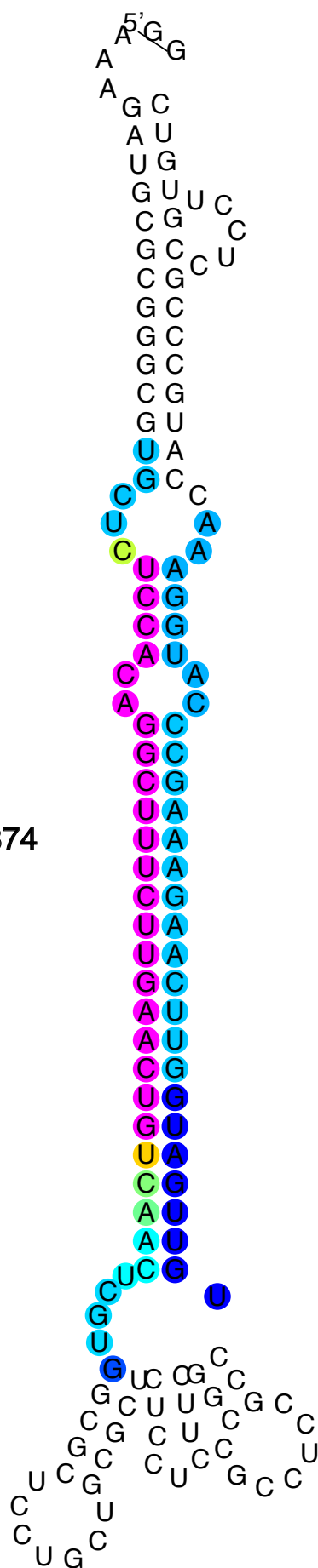


MIR family: miR396

Location: 2H:648439735-648439874

Strand: plus

Name: Cluster_1803



Depth of Coverage

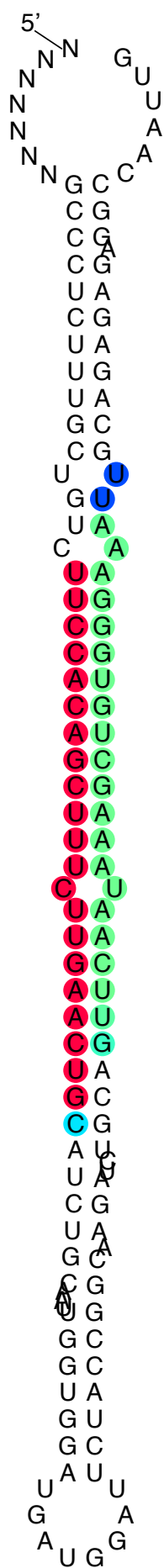


MIR family: miR396

Location: 7H:50567509-50567636

Strand: plus

Name: Cluster_5480



Depth of Coverage

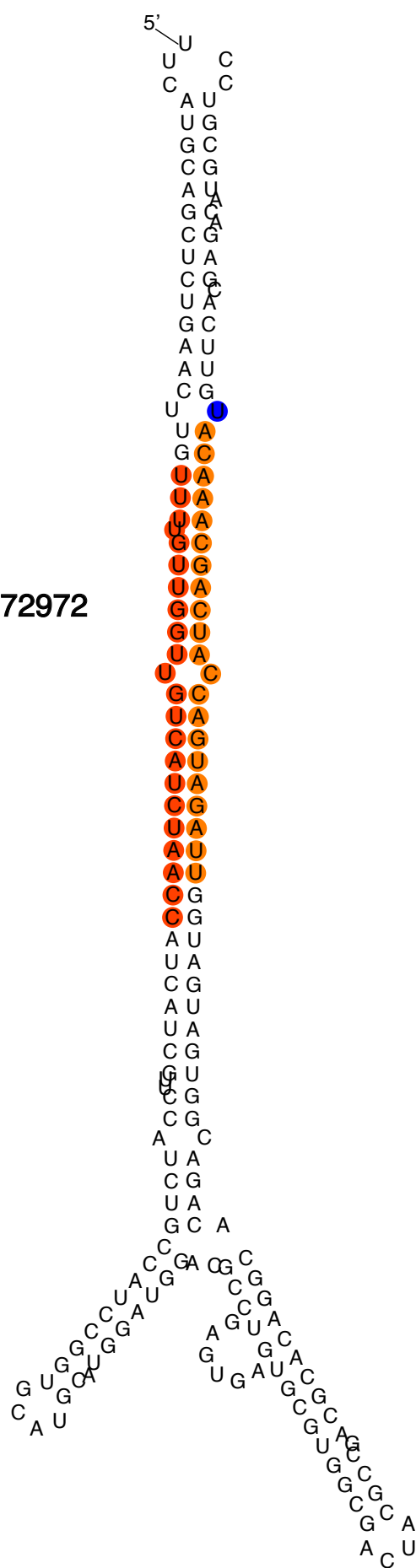


MIR family: miR827

Location: 2H:544572793-544572972

Strand: minus

Name: Cluster_1545



Depth of Coverage

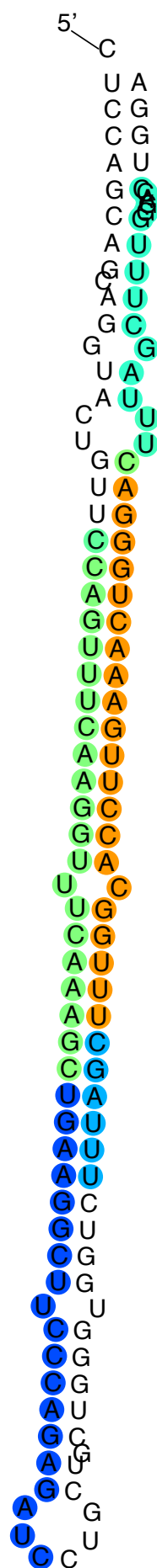


MIR family: miR5051

Location: 4H:558076938-558077060

Strand: plus

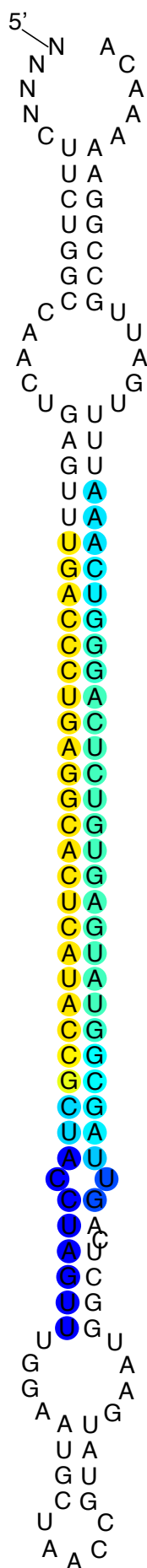
Name: Cluster_3388



● 10^0
 ● 10^1
 ● 10^2
 ● 10^3
 ● $\geq 10^4$

Location: 6H:557666865-557666994

Name: Cluster_5317



Depth of Coverage



MIR family: miR9660

Location: 6H:539320108-539320222

Strand: plus

Name: Cluster_5234

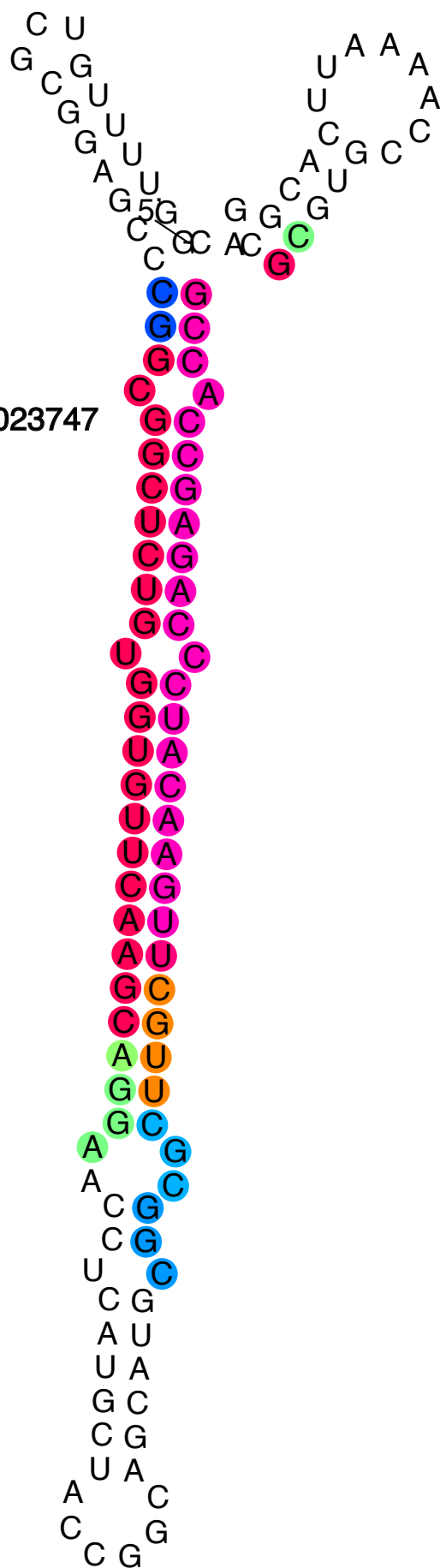


● 10^0



Location: 6H:102023630-102023747

Name: Cluster_4660



Depth of Coverage



MIR family: miR9674

Location: 3H:567840082-567840213

Strand: plus

Name: Cluster_2558

