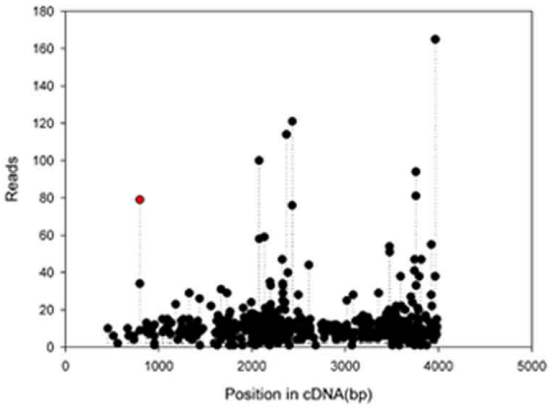
Additional file 5. T-plots of diverse targets of miRNAs in different tissues. Densities of the 5' positions of degradome tags matching each target gene are shown as T-plots. The miRNA-mediated degradome tag is highlighted in red. (a) miR168a targets AGO1 in all three tissues; additionally, miR168a targets CUC2 in leaf and a pantothenate kinase gene in fruit; (b) miR159 targets GAMYB in leaf and flower; but it targets DRT100 in fruit; (c) miRN10 targets different transcripts in flower and fruit.

(a)miR168a

Conserved target: AGO 1

In leaf

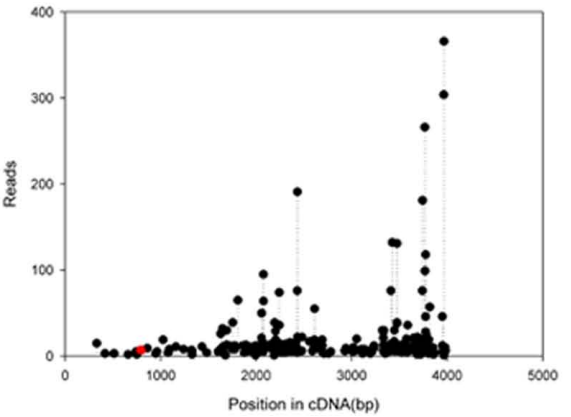
Target=*Cs5g16710*,gene=*AGO1*




```
5' AUUCCCGAGCUACACCAAGCAACCCC 3'        Cs5g16710.1
   :::::::: :: ::::::::: :
3' -AAGGGCUGGACGUGGUUCGCU---- 5'        Csi-miR168a
```

In flower

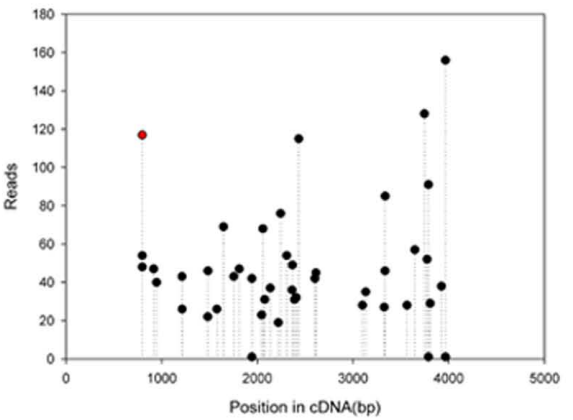
Target=*Cs5g16710*,gene=*AGO1*




```
5' AUUCCCGAGCUACACCAAGCAACCCC 3'        Cs5g16710.1
   :::::::: :: ::::::::: :
3' -AAGGGCUGGACGUGGUUCGCU---- 5'        Csi-miR168a
```

In fruit

Target=*Cs5g16710*,gene=*AGO1*

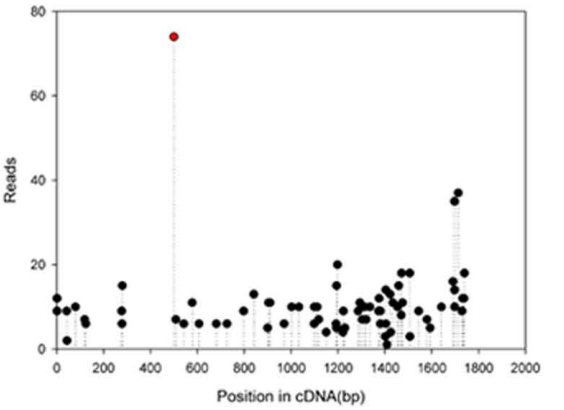



```
5' AUUCCCGAGCUACACCAAGCAACCCC 3'        Cs5g16710.1
   :::::::: :: ::::::::: :
3' -AAGGGCUGGACGUGGUUCGCU---- 5'        Csi-miR168a
```

Tissue-specific target

In leaf

Target=*Orange1.1t00591*,gene=*CUC2*



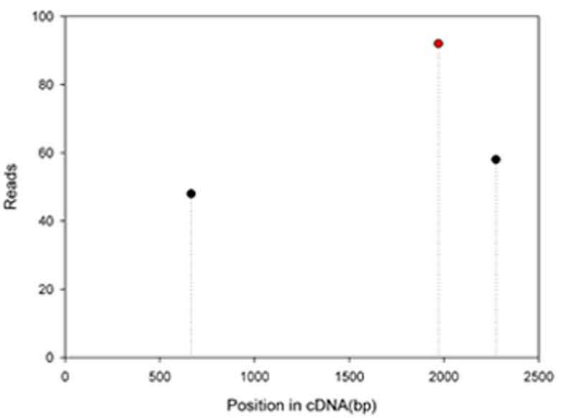

```
5' AUACCCGAGCUGCAUCAAGCGGACAU 3'        Orange1.1t00591.1
   : ::::: ::::::.:::::::.
3' -AAGGGCUGGACGUGGUUCGCU---- 5'        Csi-miR168a
```

In flower

Not dectected

In fruit

Target=*Cs5g05510*,gene=*Pantothenate kinase*

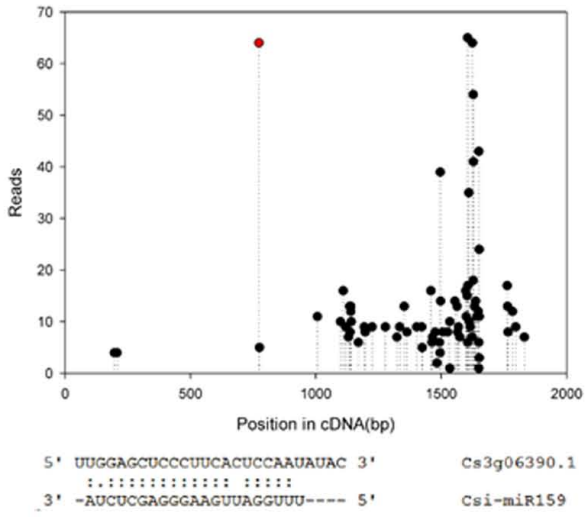



```
5' AUUCCCUCCCUGCACUAAACGAUAUA 3'        Cs5g05510.1
   ::::::  ::::::::.:: :::
3' -AAGGGCUGGACGUGGUUCGCU---- 5'        Csi-miR168a
```

(b)miR159

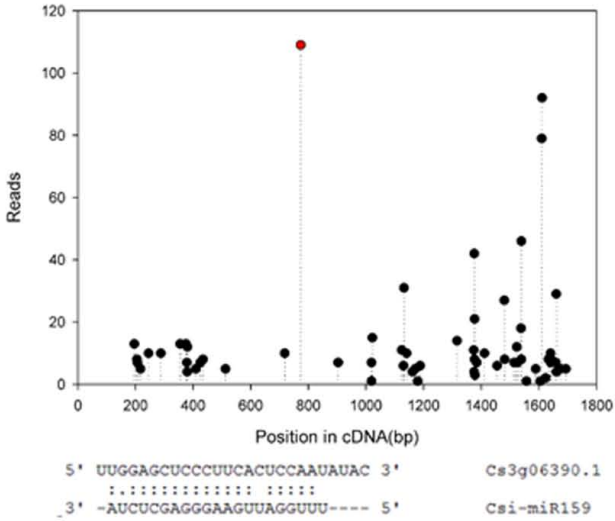
In leaf

Target=*Cs3g06390*,gene=*GAMYB*



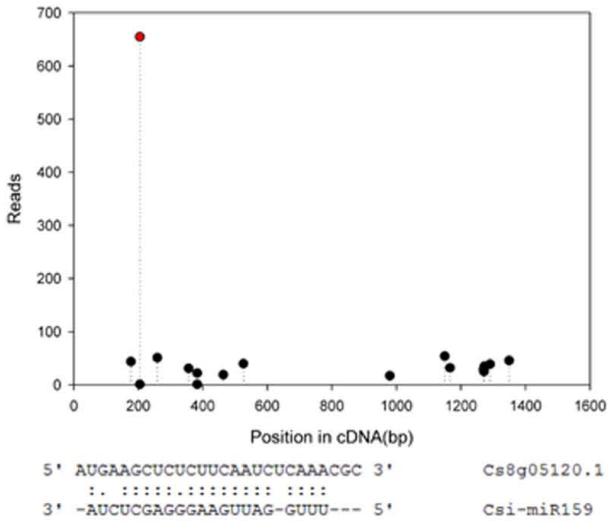
In flower

Target=*Cs3g06390*,gene=*GAMYB*



In fruit

Target=*Cs8g05120*,gene=*DRT100*



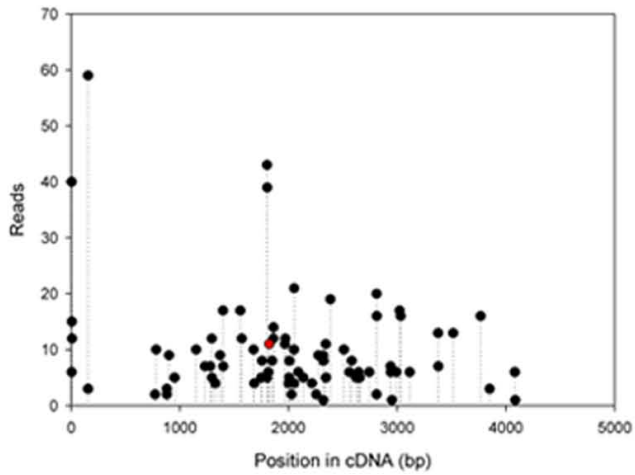
(c)miRN10

In leaf

Not detected

Target=*Cs9g04330*,gene=Not annotated

In flower



Target=*Cs4g05310*,gene=*Phosphatase*

In fruit