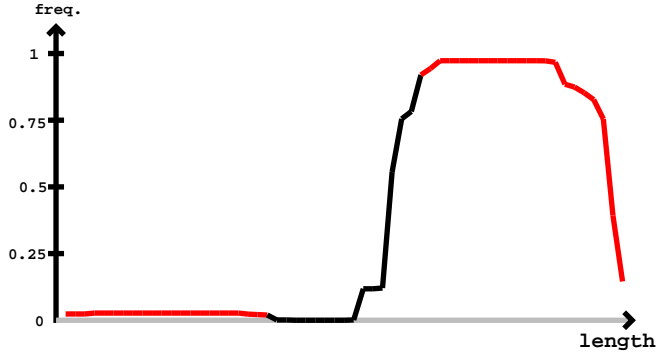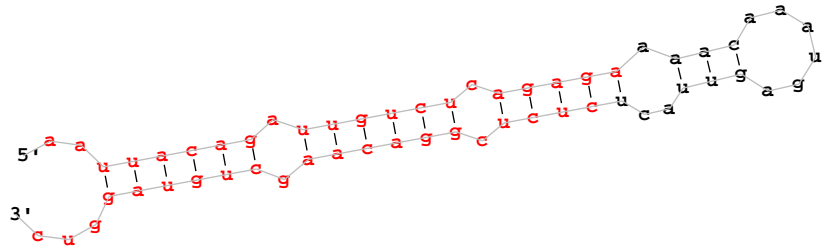miRBase precursor   : hsa-mir-10399
Total read count   : 1780
hsa-miR-10399-5p read count: 48
hsa-miR-10399-3p read count: 388
remaining reads   : 1344

hsa-miR-10399-5p

hsa-miR-10399-3p

```
5'- aauuacagauugucucagagaaaacaaaugaguuacucucucggacaagcuguagguc  -3'   exp
    ..(((((((.(((((((.(((((((.(((......))).)))))).))))))).))))))...   reads   mm        sample
    aauuacagauugucucagaga.....................................   7       0         Z2_
    aauuacagauugucucagagaaa...................................   1       0         Z2_
    .......................gaguuacucucucggacaagcu.............   2       0         Z2_
    ........................aguuacucucucggacaagc.............   1       0         Z2_
    ........................aguCacucucucggacaagc.............   2       1         Z2_
    ........................aguuacucucucggacaagcu...........   8       0         Z2_
    ........................aguuacucucucggacaagcug..........   1       0         Z2_
    ..........................uacucucucggacaagcugua........   2       0         Z2_
    ..........................uacucucucggacaagcuguag.......   13      0         Z2_
    ..........................Cacucucucggacaagcuguagg......   1       1         Z2_
    ..........................uacucucucggaUaagcuguagg......   1       1         Z2_
    ..........................uacucucucggacaagcAguagg......   1       1         Z2_
    ..........................uacucucucggacGagcuguagg......   2       1         Z2_
    ..........................uacucucucggacaagcuguagg......   52      0         Z2_
    ..........................Aacucucucggacaagcuguagg......   1       1         Z2_
    ..........................uacucucucggacaagcuguagA......   1       1         Z2_
    ..........................uacucucucggacaagcuguaggA.....   1       1         Z2_
    ..........................uacucucucggacaagcuguaggu.....   16      0         Z2_
    ..........................uacucucucggacaagcuguagguG....   1       1         Z2_
    ...........................acucucucggacaagcuguag.......   7       0         Z2_
    ...........................acucucucggaUaagcuguagg......   1       1         Z2_
    ...........................acucucucggacaagcuguagg......   19      0         Z2_
    ...........................acucucucggacaagcuguagA......   2       1         Z2_
    ...........................acucucucggacaGgcuguagg......   1       1         Z2_
    ...........................acucucucggacaagcuguaggu.....   12      0         Z2_
    ...........................acucucucggacaagcugAaggu.....   1       1         Z2_
    ............................cucucucggacaagcuguagg......   2       0         Z2_
    ............................cucucucggacaagcuguaggA.....   1       1         Z2_
    ............................ucucucggacaagcuguaggguU....   23      1         Z2_
    ............................ucucucggacaagcuguaggguc....   2       0         Z2_
    .............................cucucggacaagcuguaggguc....   1       0         Z2_
    .............................cucucggacaagcuguaggguU....   6       1         Z2_
    ..............................ucucggacaagcuguaggg......   1       0         Z2_
    ..............................ucucggacaagcuguaggguU....   6       1         Z2_
```

hsa-miR-10399-5p

hsa-miR-10399-3p

aauuacagauugucucagagaaaacaaaugaguuacucucucggacaagcguagguc

Sequence			
aauuacagauugucucag..	5	0	GDM
aauuacagauugucucag..	5	0	GDM
aauuacagauugucucaga.......................................	3	0	GDM
aauuacagauugucucagag......................................	1	0	GDM
aauuacagauugucucagaga....................................	18	0	GDM
aauuacUgauugucucagaga....................................	1	1	GDM
aauuacagauugucucagaga....................................	18	0	GDM
aauuacagauugucucagaga....................................	18	0	GDM
aauuacagauugucucagagaaa.................................	1	0	GDM
..uuacagauugucucagag......................................	2	0	GDM
..uuacagauugucucagaga....................................	4	0	GDM
............................aguuacucucucggacaagc........	6	0	GDM
............................aguuacucucucggacaagU........	1	1	GDM
............................aguuacucucucggacaagc........	6	0	GDM
............................aguuacucucucggacaagc........	6	0	GDM
............................aguuacucucucggacaagcC.......	6	1	GDM
............................aguuacucucucggacaagcC.......	6	1	GDM
............................aguuacucucucggacaagcu.......	70	0	GDM
............................aguuacucucucggacaagcA.......	2	1	GDM
............................aguuacucucucggacaagcC.......	6	1	GDM
............................aguuacucucuAggacaagcu.......	1	1	GDM
............................aguAacucucucggacaagcu.......	1	1	GDM
............................aguuacucucucggacaagcu.......	70	0	GDM
............................aguuacuAucucggacaagcu.......	1	1	GDM
............................aguuacucucucggacaagcu........	70	0	GDM
............................aguuacCcucucggacaagcu........	1	1	GDM
............................aguuacucucCcggacaagcu.......	1	1	GDM
............................aguuacucucucggacaagcuU......	1	1	GDM
............................aguuacucucucggacaagcug......	6	0	GDM
............................aguuacucucucggacaagcug......	6	0	GDM
............................aguuacucucucggacaagcug......	6	0	GDM
............................aguuacucucucggacGagcugu.....	1	1	GDM
............................aguuacucucucggacaagcugu.....	5	0	GDM
............................aguuacucucucggacaagcCgu.....	2	1	GDM
............................aguuacucucucggacaagcguag...	1	0	GDM
............................aguuacucucucggacaagcguagU..	2	1	GDM
............................aguuacucucucggacaagcguagg..	5	0	GDM
............................aguuacucucuUggacaagcguaggu.	1	1	GDM
............................aguuacucucucggacaagcguaggu.	3	0	GDM
...............................uuacucucucggacaagcguag...	1	0	GDM
...............................uacucucucggacaagcu.......	4	0	GDM
...............................uacucucucggacaagcu.......	4	0	GDM
...............................uacucucucggacaagcug......	3	0	GDM
...............................uacucucucggacaagcug......	3	0	GDM
...............................uacucucucggacaagcugu.....	13	0	GDM
...............................uacucucucggacaagcugC.....	1	1	GDM
...............................uacucucucggGcaagcugu.....	1	1	GDM
...............................uacucucucggacaagcugu.....	13	0	GDM
...............................Aacucucucggacaagcugu.....	1	1	GDM
...............................uacucucucggacaagcugu.....	13	0	GDM
...............................uacucucucggacaagcugua....	24	0	GDM
...............................uacucucucggacaagcugua....	24	0	GDM
...............................uacucucucggacaagcugua....	24	0	GDM
...............................uacucucCcggacaagcugua....	1	1	GDM
...............................uCcucucucggacaagcguag...	1	1	GDM
...............................uacucucucggacaagcguag...	47	0	GDM
...............................uacucucucggacaagcguag...	47	0	GDM
...............................uacucucucggacaagcguaA...	1	1	GDM
...............................uacucucucggacaagcguag...	47	0	GDM
...............................uUcucucucggacaagcguag...	2	1	GDM
...............................uacucucucggacaagcugGag...	1	1	GDM
...............................uacucucucggacaagcugAag...	1	1	GDM
...............................Gacucucucggacaagcguagg..	1	1	GDM
...............................uacucucucggacaagcguagA..	11	1	GDM
hsa-miR-10399-5p...............................uacucucucggacaagcguagg..	133	0	GDM
...............................uacucucucUgacaagcguagg..	1	1	GDM
aauuacagauugucucagagaaac...............uacucucucggacaagcguagg..	133	0	GDM
...............................uacucucucggacaagUuguagg..	1	1	GDM

hsa-miR-10399-5p

hsa-miR-10399-3p

aauuacagauugucucagagaaaacaaaugaguuacucucucggacaagcguuaggguc

```
.................................uacucucucggGcaagcguuagg..    1    1    GDM
.................................uacucucucggacaaUcguuagg..    1    1    GDM
.................................uacucucucggacaagcguuCgg..    1    1    GDM
.................................Aacucucucggacaagcguuagg..    3    1    GDM
.................................uacucucucggacaagcguuagA..   11    1    GDM
.................................uacucucucggacaagcguuagU..    2    1    GDM
.................................uacucucucggacaagcguuagA..   11    1    GDM
.................................uacucucucggacaagcguuagg..  133    0    GDM
.................................uacucucucggacaGgcguuagg..    1    1    GDM
.................................uacucucucggacaagcguuaggG.    4    1    GDM
.................................uacucucucggacaagcguuaggu.  103    0    GDM
.................................uacucucucggGcaagcguuaggu.    3    1    GDM
.................................uacucucucggaUaagcguuaggu.    1    1    GDM
.................................uacucucucggacaagcguuaggu.  103    0    GDM
.................................uacucucucggacaagcguuaggu.  103    0    GDM
.................................uacucucucggacaagcguuaggC.    5    1    GDM
.................................uacucucucAgacaagcguuaggu.    1    1    GDM
.................................uacucucucggacaagcguuaggC.    5    1    GDM
.................................uacucucCcggacaagcguuaggu.    1    1    GDM
.................................uacucucucggacaagcguuaggA.    1    1    GDM
.................................uacucucucggacaagcguuaggC.    5    1    GDM
.................................uacucucucggacaagcguuaggguA   1    1    GDM
.................................acucucucggacaagcgu.....    2    0    GDM
.................................acucucucggacaagcgua....    3    0    GDM
.................................acucucucggacaagcgua....    3    0    GDM
.................................acucucucggacaagcguag...    7    0    GDM
.................................acucucucggacaagcguag...    7    0    GDM
.................................Gcucucucggacaagcguagg..    1    1    GDM
.................................acucucucggacaagcguagA..    7    1    GDM
.................................acucucucggacaagcguagg..   84    0    GDM
.................................acucucucggacaagcguagg..   84    0    GDM
.................................acucCcucggacaagcguagg..    1    1    GDM
.................................acucucucggacaagcguagg..   84    0    GDM
.................................acucucucggacaagcguagA..    7    1    GDM
.................................acucucucggacaagcguagC..    1    1    GDM
.................................acucucucggacaagcGguagg..    1    1    GDM
.................................acucucucggacaagcguaggu.   50    0    GDM
.................................acucucCcggacaagcguaggu.    1    1    GDM
.................................acucucucggacaagcguaggC.    3    1    GDM
.................................Gcucucucggacaagcguaggu.    1    1    GDM
.................................aUucucucggacaagcguaggu.    1    1    GDM
.................................acucucucggacaagcguaggu.   50    0    GDM
.................................acucucucggacaagcguaggG.    1    1    GDM
.................................acucucucggacaagcguaggA.    4    1    GDM
.................................acucucucggacaagcguaggu.   50    0    GDM
.................................acucucucggacaagcguaggC.    3    1    GDM
.................................acucucucggacaagcguaggA.    4    1    GDM
.................................acucucucggacaagcguaggguA   2    1    GDM
.................................cucucucggacaagcgua....    1    0    GDM
.................................cucucucggacaagcguag...    5    0    GDM
.................................cucucucggacaagcguag...    5    0    GDM
.................................cucucucggacaagcguag...    5    0    GDM
.................................cucucucggacaagcguaA...    1    1    GDM
.................................cucucucggacaagcguCgg..    1    1    GDM
.................................cucucucggacaagcguagg..   10    0    GDM
.................................cucucucggacaagcguagg..   10    0    GDM
.................................cucucucggacaagcguagg..   10    0    GDM
.................................cucucucggacaagcguaggu.    2    0    GDM
.................................cucucucggacaagcguaggA.    2    1    GDM
.................................cucucucggacaagcguaggG.    1    1    GDM
.................................cucucucggacaagcguaggu.    2    0    GDM
.................................cucucucggacaagcguaggguU   1    1    GDM
..................................ucucucggacaagcguag...    3    0    GDM
..................................ucucucggacaagcguag...    3    0    GDM
..................................ucucucggGcaagcguagg..    1    1    GDM
```

```
..................................ucucucggacaagcguagg..   13    0    GDM
..................................ucucucggacaagcguagg..   13    0    GDM
```

```
..................................ucucCcggacaagcguagg..    1    1    GDM
..................................ucucucggacaagcguagg..   13    0    GDM
```

hsa-miR-10399-5p

hsa-miR-10399-3p

aauuacagauugucucagagaaaacaaaugaguuacu**cucucggacaagcguagguc**

```
..................................ucucucggacaagcguagggu.     20    0    GDM
..................................ucucucggacaagcguaggC.      5    1    GDM
..................................ucucucggacaagcuAuaggu.     2    1    GDM
..................................ucucucggacaagcGguaggu.     1    1    GDM
..................................ucucucggacaagcguaggu.     20    0    GDM
..................................ucucucggacaagcguaggu.     20    0    GDM
..................................ucucucggacaagcguaggA.      2    1    GDM
..................................ucucucggacaagcguaggC.      5    1    GDM
..................................ucucucggacaagcguagguU     69    1    GDM
..................................ucucucggacaagcguagguc      6    0    GDM
..................................ucucucggacaagcguagguA     10    1    GDM
..................................ucucucggacaagcguagguc      6    0    GDM
..................................ucucucggacaagcguaggCc      1    1    GDM
..................................ucucucggacaagcguagguA     10    1    GDM
..................................ucucucggacaagcguagguU     69    1    GDM
..................................ucucucggacaagcguagguU     69    1    GDM
..................................ucucucggacaagcguagguc      6    0    GDM
.............................cuAucggacaagcguagg..      1    1    GDM
.............................cucucggacaagcguaggu.      1    0    GDM
.............................cucucggacaagcguagguc      1    0    GDM
.............................cucucggacaagcguagguA      2    1    GDM
.............................cucucggacaagcguagguU      7    1    GDM
.............................cucucggacaagcguagguU      7    1    GDM
.............................cucucggacaagcguagguA      2    1    GDM
.............................cucucggacaagcguagguU      7    1    GDM
............................ucucggacaagcguaggu.      8    0    GDM
............................ucucggacaagcguaggu.      8    0    GDM
............................ucucggacaagcguaggu.      8    0    GDM
............................ucucggacaagcguagguA      2    1    GDM
............................ucucggacaagcguagguU      7    1    GDM
............................ucucggacaagcguagguU      7    1    GDM
............................ucucggacaagcguagguc      1    0    GDM
............................ucucggacaagcguagguU      7    1    GDM

aauuacagauCgucucag.........................................     2    1    Z1_
aauuacagauugucucagaga......................................     3    0    Z1_
............................aguuacucucucggacaaA.........      1    1    Z1_
............................aguuacucucucggacaagcu.......     27    0    Z1_
............................aguuacucucucggacaagcC.......      4    1    Z1_
............................aguuacCcucucggacaagcug......      3    1    Z1_
............................aguuacucucucggacaagcug......      2    0    Z1_
............................aguuacucucucggacaagcugu.....      5    0    Z1_
............................aguuacucucucggacaagcugA.....      1    1    Z1_
............................aguuacucucucggacaagcugua....      1    0    Z1_
............................aguuacucucucggacaagcguagg..      1    0    Z1_
............................aguuacucucucggacaagcguaggu.      9    0    Z1_
............................uuacucucucggacaagcugu.....      1    0    Z1_
............................uuacucucucuUggacaagcugua....      2    1    Z1_
............................uuacucucucggacaagcguag...      1    0    Z1_
............................uacucucucggacaagcugC.....      1    1    Z1_
............................uacucucucggacaagcugua.....      6    0    Z1_
............................uacucucucggacaagcguag...     14    0    Z1_
............................uacucucucggacGagcguagg..      1    1    Z1_
............................uacucucucggacaagcguagU..      2    1    Z1_
............................uacucucucggGcaagcguagg..      2    1    Z1_
............................uacCcucucggacaagcguagg..      2    1    Z1_
............................uacucucucggacaagcguagg..    112    0    Z1_
............................uacucucucggacaCgcguagg..      1    1    Z1_
............................uacucucucAgacaagcguagg..      1    1    Z1_
............................uacucucCcggacaagcguagg..      1    1    Z1_
............................uacucucucggacaagcguagA..      6    1    Z1_
............................uacucucucggacaagcCguagg..      1    1    Z1_
............................uacucucucggacaagcguaggC.      4    1    Z1_
............................uacucucucggacaagcguaggA.      1    1    Z1_
............................uacucAcucggacaagcguaggu.      1    1    Z1_
```

hsa-miR-10399-5p`............uCcucucggacaagcguaggu.      1    1    Z1_`

```
............................uacucucucggacaagcCguaggu.      4    1    Z1_
```

aauuacagauugucucagaga`aaacaaauga`.......`uacucucucggacaagcguaggu.     53    0    Z1_`

```
............................uacucucucggacaagcguagguc      1    0    Z1_
```

hsa-miR-10399-3p

aauuacagauugucucagagaaaacaaaugaguuacucucucggacaagcguuaggguc

```
...........................uacucucucggacaagcguuagguG    1    1    Z1_
...........................acucucucggacGagcuguag...     2    1    Z1_
...........................acucucucggacaagcguuag...     6    0    Z1_
...........................acucucucggacaagcguuagA..     3    1    Z1_
...........................acucucucggacaagcguuagg..    67    0    Z1_
...........................acuUucucggacaagcguuagg..     1    1    Z1_
...........................acucCcucggacaagcguuagg..     2    1    Z1_
...........................acucucucggaUaagcguuagg..     1    1    Z1_
...........................Ucucucucggacaagcguuagg..     1    1    Z1_
...........................acCcucucggacaagcguuaggu.     1    1    Z1_
...........................acucucucggacaagcguuaggu.    30    0    Z1_
...........................acucucucggacaagcguuaggC.     5    1    Z1_
...........................acucucucggacaagcguuaggA.     3    1    Z1_
...........................cucucucggacaagcgua....      1    0    Z1_
...........................cucucucggacaagcguuagA..     1    1    Z1_
...........................cucucucggacaagcguuagg..    11    0    Z1_
...........................cucucucggacaagcguuaggu.     4    0    Z1_
...........................cucucucggacaagcguuaggC.     2    1    Z1_
...........................cucucucggacaagcguuagguA     1    1    Z1_
...........................ucucucggacaagcguuag...      2    0    Z1_
...........................ucucucggacaagcguuagg..      8    0    Z1_
...........................ucucucggacaagcguuaggu.      6    0    Z1_
...........................ucucucggacaagcguuagguG      2    1    Z1_
...........................ucucucggacaagcguuagguU     43    1    Z1_
...........................ucucucggacaagcguuagguc      1    0    Z1_
...........................ucucucggacaagcguuagguA      2    1    Z1_
...........................cucucggacaagcguuaggu.       1    0    Z1_
...........................cucucggacaagcguuagguA       1    1    Z1_
...........................cucucggacaagcguuagguU      17    1    Z1_
...........................ucucggacaagcCguaggu.        1    1    Z1_
...........................ucucggacaagcguuaggu.        8    0    Z1_
...........................ucucggacaagcguuagguU        4    1    Z1_
...........................ucucggacaagcguuagguc        6    0    Z1_

...........................aguuacucucucggacaagcu.......   15    0    Z3_
...........................aguuacucucucggacaagcC.......    2    1    Z3_
...........................aguuacucucggacGagcu.......      1    1    Z3_
...........................aguuacucucucggacaagcug......    3    0    Z3_
...........................aguuacucucucggacaagcugu.....    1    0    Z3_
...........................aguuacucucucggacaagcugC.....    1    1    Z3_
...........................aguuacucucucggacaagcgua....    2    0    Z3_
...........................uacucucucggacaagcgu......      2    0    Z3_
...........................uacucucucggacaagcguG.....      1    1    Z3_
...........................uacucucucggacaagcgua....      2    0    Z3_
...........................uaUucucucggacaagcguuag...     1    1    Z3_
...........................uacucucucggacaagcguuag...    10    0    Z3_
...........................uacucucCcggacaagcguuagg..     1    1    Z3_
...........................uacucucucggacaagcguuagg..    23    0    Z3_
...........................uacucucucggacaagcguuagA..     3    1    Z3_
...........................uacucucucggGcaagcguuagg..     2    1    Z3_
...........................uacucucucggacaagcguuagU..     3    1    Z3_
...........................uGcucucucggacaagcguuagg..     1    1    Z3_
...........................uacucucucggacaagcguuaggC.     1    1    Z3_
...........................uacucCcucggacaagcguuaggu.     2    1    Z3_
...........................uacucucucggacaagcguuaggG.     1    1    Z3_
...........................uacucucucggacaagcguuaggA.     2    1    Z3_
...........................uacucucucggacaagcguuaggu.    32    0    Z3_
...........................uacucucucggacaagcugAaggu.     1    1    Z3_
...........................uacucucucggacaagcguuagguA     1    1    Z3_
...........................acucucucggacaagcguuag...      2    0    Z3_
...........................acucucucggacaagcguuagA..     2    1    Z3_
...........................acucucucggacGagcguuagg..     1    1    Z3_
...........................acucucucggacaagcguuagg..     9    0    Z3_
...........................acucucucggacaagcguuaggu.     3    0    Z3_
...........................acucucucggacaagcguuaggC.     1    1    Z3_
hsa-miR-10399-5p...........acucucucggacaagcguaAgu.     1    1    Z3_
...........................acucucucggacaagcguuagguA     1    1    Z3_
aauuacagauugucucagagaaaacaaaug...cucucggacaagcguuagg..     2    0    Z3_
...........................ucucggacaagcguuagg..          2    0    Z3_
```

hsa-miR-10399-5p

hsa-miR-10399-3p

aauuacagauugucucagagaaaacaaaugaguuacucucucggacaagcuguagguc

```
....................................ucucucggacaagcuguaggu.      1    0    Z3_
....................................ucucucggacaagcuguagguU     12    1    Z3_
....................................ucucucggacaagcuguagguG      1    1    Z3_
....................................ucucucggacaagcuguagguA      2    1    Z3_
....................................ucucucggacaagcuguagguc      3    0    Z3_
.....................................cucucggacaagcuguaggu.      1    0    Z3_
.....................................cucucggacaagcuguaggC.      1    1    Z3_
.....................................cucucggacaagcuguagguU      3    1    Z3_
......................................ucucggacaagcuguagguU      8    1    Z3_
```