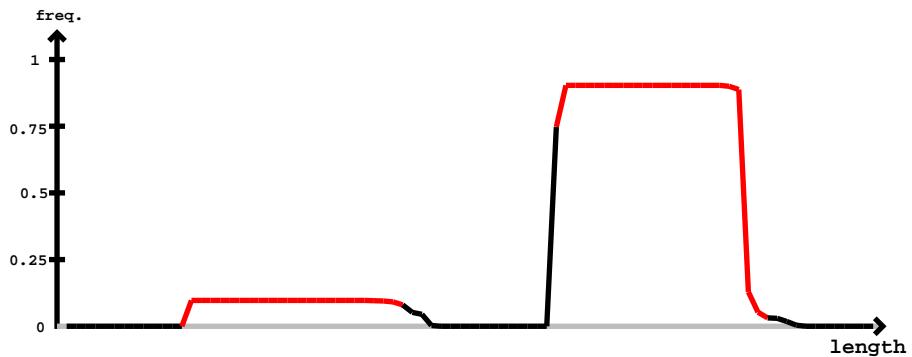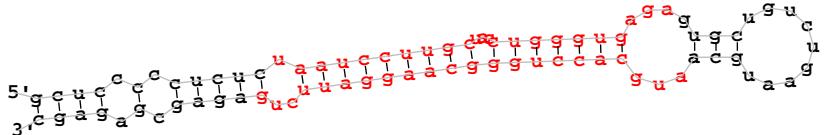miRBase precursor   : hsa-mir-500a
Total read count   : 1878
hsa-miR-500a-5p read count 173
hsa-miR-500a-3p read count 1612
hsa-miR-500b-5p read count 93
remaining reads   : 0

hsa-miR-500a-3p

hsa-miR-500b-5p

hsa-miR-500a-5p

```
5'- gcuccccucucuaauccuugcuaccugggugagagugcugucugaaugcaaugcaccugggcaaggauucugagagcgagagc  -3'   exp
    (((((.(.(((((.(((((((((...(((((((((....(((.........)))...)))))))))))))))))..)))))).).)))))    reads    mm        sample
    ..........uaauccuugcuaccugggugag...............................................................    6        0         Z1_
    ..........uaauccuugcuaccugggugagG..............................................................    1        1         Z1_
    ..........uaauccuugcuaccugggugaga..............................................................    8        0         Z1_
    ..........uaauccuugcuaccugggugagag.............................................................    2        0         Z1_
    ..........uaauccuugcuaccugggugagagu............................................................    28       0         Z1_
    ..........uaauccuCgcuaccugggugagagu............................................................    1        1         Z1_
    ..........................................aaugcaccugggcaagga...................................    4        0         Z1_
    ..........................................aaugcaccugggcaaggaG..................................    3        1         Z1_
    ..........................................aaugcaccugggcaaggau..................................    2        0         Z1_
    ..........................................aaugcaccugggcaaggaC..................................    1        1         Z1_
    ..........................................aaugcaccugggUaaggauu.................................    2        1         Z1_
    ..........................................aaugcaccugggcaaggauC.................................    21       1         Z1_
    ..........................................aaugcaUcugggcaaggauu.................................    1        1         Z1_
    ..........................................aaugcaccugggcaaggaGu.................................    2        1         Z1_
    ..........................................Caugcaccugggcaaggauu.................................    1        1         Z1_
    ..........................................aaugcaccAgggcaaggauu.................................    1        1         Z1_
    ..........................................aaugcaccugggcaaggauu.................................    193      0         Z1_
    ..........................................aaugcaccugggcaaggauuU................................    14       1         Z1_
    ..........................................aaugcaccugggcaaggauuA................................    3        1         Z1_
    ..........................................aaugcaccugggcaaggauCc................................    1        1         Z1_
    ..........................................aaugcaccugAgcaaggauuc................................    1        1         Z1_
    ..........................................aaugcaccAgggcaaggauuc................................    2        1         Z1_
    ..........................................aaugcaccugggcaaggGuuc................................    3        1         Z1_
    ..........................................aaugcaccugggcGaggauucu...............................    1        1         Z1_
    ..........................................augcaccugggcaaggauu..................................    19       0         Z1_
    ..........................................auAcaccugggcaaggauu..................................    1        1         Z1_
    ..........................................augcaccugggcaaggauC..................................    6        1         Z1_
    ..........................................augcaccugggcaaggauuU.................................    1        1         Z1_
    ..........................................augcaccugggcaaggauuAu................................    1        1         Z1_
    ..........................................augcaccugggcaaggGuucu................................    2        1         Z1_
    ..........................................augcaccugggcaGggauucu................................    2        1         Z1_
    ..........................................augcaccuggAcaaggauucu................................    2        1         Z1_
    ..........................................augcaccugggcGaggauucu................................    1        1         Z1_
```

gcucccccucuc**hsaumiBu500ae5p**gggugagagugcugucugaaugcaaugcaccugggcaaggauucugagagcgagagc

```
.............................................augcaccugggcaaggaCucu............    2     1     Z1_
.............................................augcaccugggcCaggauucu............     1     1     Z1_
.............................................augcaccuUggcaaggauucuga..........     1     1     Z1_
.............................................augcaccuAggcaaggauucuga..........     1     1     Z1_
.............................................augcaccugggcaaggUuucuga..........     1     1     Z1_
.............................................augcaccugggcaaggauuUuga..........     1     1     Z1_
.............................................augcaccugggcGaggauucuga..........     1     1     Z1_
.............................................augcaccugggcaaggauCcuga..........     1     1     Z1_
.............................................augcaccugggcaaggGuucuga..........     1     1     Z1_
.............................................augcaccugggcaaggauucugaU.........     4     1     Z1_
.............................................augcaccugggcaaggauucugag.........     2     0     Z1_
.............................................augcaccugggcaaggauucugaA.........     1     1     Z1_
.............................................augcaccugggcaaggauucugagU........     1     1     Z1_

..........uaauccuugcuaccugggu............................................    2     0     GDM
..........uaauccuugcuaccugggug...........................................    2     0     GDM
..........uaauccuugcuaccugggug...........................................    2     0     GDM
..........uaauccuugcuaccuggguga..........................................    1     0     GDM
..........uaauccuugcuaccugggugU..........................................    3     1     GDM
..........uaauccuugcuaccugggugag.........................................    5     0     GDM
..........uaauccuugcuaccugggugag.........................................    5     0     GDM
..........uaauccuugcuaccugggugag.........................................    5     0     GDM
..........uaauccuugcuaccugggugaga........................................    26    0     GDM
..........uaauccuugcuaccugggugaga........................................    26    0     GDM
..........uaauccuugcuaccugggugagU........................................    5     1     GDM
..........uaauccuugcuaccugggugaga........................................    26    0     GDM
..........uaauccuugcuaccugggugagag.......................................    6     0     GDM
..........uaauccuugcuaccugggugagag.......................................    6     0     GDM
..........uaauccuugcuaccugggugagag.......................................    6     0     GDM
..........uaauccuugcuaccugggugagagu......................................    18    0     GDM
..........uaauccuugcuaccugggugagagu......................................    18    0     GDM
..........uaauccuugcuaccugggugagagu......................................    18    0     GDM
..........Aaauccuugcuaccugggugagagu......................................    1     1     GDM
..........uaauccuugcuaccugggugagagug.....................................    1     0     GDM
..............................................aaugcaccugggcaagga...............    2     0     GDM
..............................................aaugcaccugggcaaggau..............    6     0     GDM
..............................................aaugcaccugggcaaggau..............    6     0     GDM
..............................................aaugcaccugggcaaggau..............    6     0     GDM
..............................................aaugcaccugggcaaggaC.............    1     1     GDM
..............................................Gaugcaccugggcaaggauu.............    3     1     GDM
..............................................aGugcaccugggcaaggauu.............    4     1     GDM
..............................................aaugcaccugggUaaggauu.............    1     1     GDM
..............................................aauAcaccugggcaaggauu.............    1     1     GDM
..............................................Gaugcaccugggcaaggauu.............    3     1     GDM
..............................................aaugcaccAgggcaaggauu.............    1     1     GDM
..............................................aaugcaccugggcaaggauu.............    546   0     GDM
..............................................aaAgcaccugggcaaggauu.............    1     1     GDM
..............................................aaugcaccugggcaaUgauu.............    1     1     GDM
..............................................aaugcaccugggcaaggauC.............    37    1     GDM
..............................................aaugcaccugggcaaggGuu.............    6     1     GDM
..............................................aaugcaccugggcaaggauu.............    546   0     GDM
..............................................aaugcaccugggcaaggauC.............    37    1     GDM
..............................................aaugcaccugggcaaggauC.............    37    1     GDM
..............................................aaugcaccugggcGaggauu.............    2     1     GDM
..............................................aaugcaccuggAcaaggauu.............    2     1     GDM
..............................................aaugcaccugggcaaggGuu.............    6     1     GDM
..............................................aaugcaUcugggcaaggauu.............    1     1     GDM
..............................................aaCgcaccugggcaaggauu.............    1     1     GDM
..............................................aaugcacUugggcaaggauu.............    1     1     GDM
..............................................Uaugcaccugggcaaggauu.............    3     1     GDM
..............................................aaugcaccugggcaaggauu.............    546   0     GDM
..............................................aaugcaccugggcaaggGuu.............    6     1     GDM
..............................................aaugcaccugggcaagAauu.............    1     1     GDM
..............................................aGugcaccugggcaaggauu.............    4     1     GDM
..............................................aaugcaccugggcaagUauu.............    1     1     GDM
..............................................aaugcaccuggAcaaggauu.............    2     1     GDM
gcucccccucuc**hsaumiBu500ae5p**gggugagaaaugcaccugggcaaggauuA.............    6     1     GDM
..............................................aaugcaccugggcaUggauuc............    2     1     GDM
```

hsa-miR-500a-3p

hsa-miR-500b-5p

gcucccccucuchsaumiRu500ae5pgggugagagugcugucugaaugcaaugcaccugggcaaggauucugagagcgagagc

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.....................................................aaugcaccugggcaaggauuA.............    6     1    GDM
.....................................................aaugcaccAgggcaaggauuc.............    2     1    GDM
.....................................................aaugcaccAgggcaaggauuc.............    2     1    GDM
.....................................................aaugcaccugggcaaggauuU.............   57     1    GDM
.....................................................aaugcaccugggcaGggauuc.............    1     1    GDM
.....................................................aaugcaccugggcGaggauuc.............    4     1    GDM
.....................................................aaugcaccugggcaaggGuuc.............    1     1    GDM
.....................................................aaugcaccugggcaaggauCc.............    2     1    GDM
.....................................................aaugcaccGgggcaaggauuc.............    1     1    GDM
.....................................................aaugcaccugggcGaggauuc.............    4     1    GDM
.....................................................aaugcaccugggcaaggauuU.............   57     1    GDM
.....................................................aaugcaccugggcaaggauuU.............   57     1    GDM
.....................................................aaugcaccugggcaaggauCcu............    2     1    GDM
.....................................................aaugcaccugggcaaggauCcu............    2     1    GDM
.....................................................aaugcaccugggUaaggauucu............    1     1    GDM
.....................................................aaugcaccuggUcaaggauucu............    1     1    GDM
.....................................................aaugcaccugggcaaggaCucug...........    2     1    GDM
.....................................................aaugcaccugggcaaggauucugU..........    2     1    GDM
......................................................augcaccugggcaaggau...............    1     0    GDM
......................................................augcaccugggcaGggauu.............    1     1    GDM
......................................................augcaccugggcaaggauC.............    2     1    GDM
......................................................augcaccuAggcaaggauu.............    1     1    GDM
......................................................augcaccugggcaaggauu.............   98     0    GDM
......................................................augcaccugggcaaggGuu.............    1     1    GDM
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......................................................augcaccugggcaaggaCuc............    1     1    GDM
......................................................augcaccugggcaaggauuA............    3     1    GDM
......................................................augcaccugggcaaggauuU............    5     1    GDM
......................................................augcaccugggcaaggauuU............    5     1    GDM
......................................................augcaccugggcaaggauCcu...........    1     1    GDM
......................................................augcaccugggcaagAauucu...........    1     1    GDM
......................................................augcaccugggcaGggauucu...........    3     1    GDM
......................................................augcaccugggcUaggauucu...........    3     1    GDM
......................................................augcaccugAgcaaggauucu...........    1     1    GDM
......................................................augcaccugggcaGggauucu...........    3     1    GDM
......................................................augcaccugggcaaggaCucu...........    1     1    GDM
......................................................augcaccugggcGaggauucu...........    2     1    GDM
......................................................augcaccugggcaaggGuucu...........    1     1    GDM
......................................................augcaccugggcaaggauuUuga..........    5     1    GDM
......................................................augcaccugggcaaggauuUuga..........    5     1    GDM
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......................................................augcaccugggcaaggauuUuga.........    5     1    GDM
......................................................augcaccugggcaaggGuucuga.........    1     1    GDM
......................................................augcaccugggcaaggauucugaU........   12     1    GDM
......................................................augcaccugggcaaggauucugaU........   12     1    GDM
......................................................augcaccugggcaaggauucugaU........   12     1    GDM
......................................................augcaccugggcaaggauucugaga.......    3     0    GDM

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...........uaauccuugcuaccugggugaA.....................................................    1     1    Z2_
...........uaauccuugcuaccugggugaga....................................................    4     0    Z2_
...........uaauccuugcuaccugggugagag...................................................    3     0    Z2_
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...........uaauccuugcuaccugggugagagu..................................................   17     0    Z2_
...........uaauccuugcuaccugggugagagug.................................................    3     0    Z2_
......................................................aaugcaccugggcaaggau...............    6     0    Z2_
......................................................aaugcaccugggcaaggauu..............  144     0    Z2_
......................................................aaugcaccugggcaaggaCu.............    1     1    Z2_
......................................................aaugcaccuAggcaaggauu.............    1     1    Z2_
......................................................aaugcaUcugggcaaggauu.............    1     1    Z2_
......................................................aaugcaccugggcaaggaAu.............    1     1    Z2_
......................................................aaugcaccugggcaGggauu.............    1     1    Z2_
gcucccccucuchsaumiRu500ae5pgggugagagugcugucugaaugcaaaugcaccugggcaaggaGu...............    1     1    Z2_
......................................................aaugcacUugggcaaggauu.............    1     1    Z2_
```

gcuccccucuchsaum¢Bu500ae5pgggugagagugcugucugaaugcaaugcaccugggcaaggauucugagagcgagagc

```
.......................................................aaugcaccAgggcaaggauu..............   1     1    Z2_
.......................................................aaugcaccugggcaaggauC..............  13     1    Z2_
.......................................................aaugcaccugggcGaggauuc............   3     1    Z2_
.......................................................aaugcaccugggcaaggauuU.............  10     1    Z2_
.......................................................augcaccugggcaUggauu..............   1     1    Z2_
.......................................................augcaccugggcaaggauu..............  23     0    Z2_
.......................................................augcaccugggcaaggauuU.............   1     1    Z2_
.......................................................augcaccugggcaGggauucu............   2     1    Z2_
.......................................................augcaccugggcGaggauucu............   1     1    Z2_
.......................................................augcaccugggcaaggaCucu............   2     1    Z2_
.......................................................augcaccugggcaCggauucuga..........   2     1    Z2_
.......................................................augcacAugggcaaggauucuga..........   1     1    Z2_
.......................................................augcaccugggcaaggauucugaU.........   1     1    Z2_
.......................................................augcaccugggcaaggauucugaA.........   4     1    Z2_
.......................................................augcaccugggcaaggauucugaga........   3     0    Z2_

...........uaauccuugcuaccugggguga....................................................   2     0    Z3_
...........uaauccuugcuaccCgggugag....................................................   3     1    Z3_
...........uaauccuugcuaccugggugaga...................................................   6     0    Z3_
...........uaauccuugcuaccugggugagag..................................................   2     0    Z3_
...........uaauccuugcuaccugggugagagu.................................................   9     0    Z3_
...........uaauccuugcuaccugggugagagug................................................   1     0    Z3_
.......................................................aaugcaccugggcaGggauu.............   3     1    Z3_
.......................................................aaugcaccugggcGaggauu.............   3     1    Z3_
.......................................................Gaugcaccugggcaaggauu.............   3     1    Z3_
.......................................................aaugcaccugggcaaggGuu.............   1     1    Z3_
.......................................................aaugcaccugggcaaggauC.............   8     1    Z3_
.......................................................aaugcaccugggcaaggauu............. 155     0    Z3_
.......................................................aaCgcaccugggcaaggauu.............   1     1    Z3_
.......................................................aaugcaccugggcaaggaAu.............   1     1    Z3_
.......................................................aaugcaccuAggcaaggauuc............   1     1    Z3_
.......................................................aaugcaccugggcaaggauuU............   7     1    Z3_
.......................................................aaugcaccugggcaaggauuA............   1     1    Z3_
.......................................................aaugcaccugggcaGggauuc............   1     1    Z3_
.......................................................aaugcaccugggcaaggauCcu...........   1     1    Z3_
.......................................................aaugcacUugggcaaggauucu...........   2     1    Z3_
.......................................................augcaccugggcaaggau.............   2     0    Z3_
.......................................................augcaccugggcaaggauC.............   3     1    Z3_
.......................................................augcaccAgggcaaggauu.............   1     1    Z3_
.......................................................auAcaccugggcaaggauu.............   3     1    Z3_
.......................................................augcaccugggcaaggauu.............  20     0    Z3_
.......................................................augcaccugggcaaggauuA............   2     1    Z3_
.......................................................augcaccugggcaGggauucu...........   1     1    Z3_
.......................................................augcaccAgggcaaggauucug..........   1     1    Z3_
.......................................................augcaccugggcaaggGuucuga.........   1     1    Z3_
.......................................................augcaccugggcaaggauucugaU.........   1     1    Z3_
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