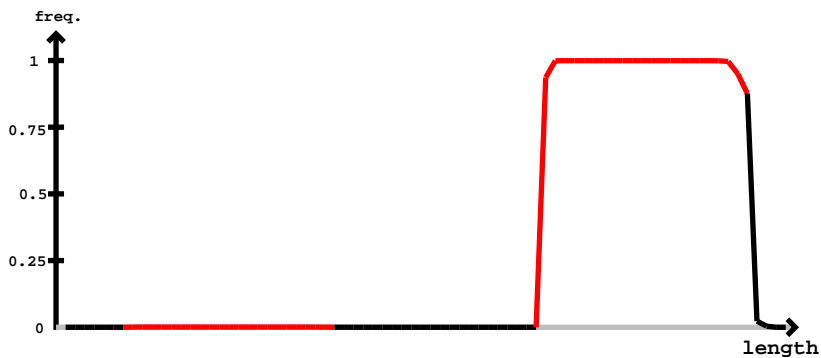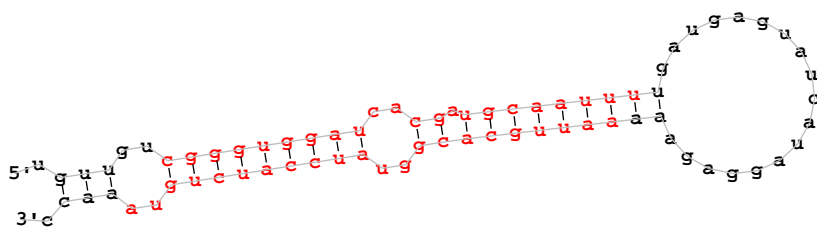miRBase precursor          : hsa-mir-363
Total read count           : 160430
hsa-miR-363-5p read count : 128
hsa-miR-363-3p read count : 160302
remaining reads            : 0





hsa-miR-363-5p

                                              hsa-miR-363-3p
5'- uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc  -3'    exp
    .(((..(((((((((..((.((((((((((..................))))))))))..)))))))))..))).     reads        mm        sample
    ......cggguggaucacgaugcaa....................................................     1            0         Z3_
    ......cgAguggaucacgaugcaa....................................................     1            1         Z3_
    ......cggguggaucacgaugcaau...................................................     3            0         Z3_
    ......cggguggaucacgaugcaauC..................................................     1            1         Z3_
    ......cggguggaucacgaugcaauA..................................................     1            1         Z3_
    ......cggguggaucacgaugcaauu..................................................     6            0         Z3_
    ......cggguggaucacgaugcaauuA.................................................     1            1         Z3_
    ......cggguggaucacgaugcaauuu.................................................     4            0         Z3_
    ...............................................aauugcacgguauccauc...........     4            0         Z3_
    ...............................................aauugcacgguauccaucC..........     4            1         Z3_
    ...............................................aauugcacgguauccaucu..........     46           0         Z3_
    ...............................................aauugcacgguauccaucG..........     1            1         Z3_
    ...............................................aauugcacgAuauccaucu..........     1            1         Z3_
    ...............................................aauugcacgguauccaucA..........     3            1         Z3_
    ...............................................aGuugcacgguauccaucug.........     1            1         Z3_
    ...............................................aauugcacgguauAcaucug.........     1            1         Z3_
    ...............................................aUuugcacgguauccaucug.........     1            1         Z3_
    ...............................................aauugcacggCauccaucug.........     2            1         Z3_
    ...............................................aauugcacgguauccaucuA.........     36           1         Z3_
    ...............................................aauugcacgguauccaucGg........     1            1         Z3_
    ...............................................aauugcacgAuauccaucug........     1            1         Z3_
    ...............................................aauugcacgguaucUaucug........     2            1         Z3_
    ...............................................aauugcacgguauccaucCg........     1            1         Z3_
    ...............................................Uauugcacgguauccaucug........     2            1         Z3_
    ...............................................aauugcacgguaCccaucug........     6            1         Z3_
    ...............................................aauAgcacgguauccaucug........     1            1         Z3_
    ...............................................aauugcacUguauccaucug........     1            1         Z3_
    ...............................................aauugcacgguauccaucAg........     1            1         Z3_
    ...............................................aauugcacgguauccaucuC........     3            1         Z3_
    ...............................................aauugcacgguaAccaucug........     1            1         Z3_
    ...............................................aauuAcacgguauccaucug........     1            1         Z3_
    ...............................................Gauugcacgguauccaucug........     1            1         Z3_
    ...............................................aauugcaUgguauccaucug........     3            1         Z3_
    ...............................................aauugcacgguauUcaucug........     1            1         Z3_

uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

```
..................................................aauugcacgguaGccaucug......    1      1    Z3_
..................................................aauugcacgguauccaucug......  665      0    Z3_
..................................................aaCugcacgguauccaucug......    3      1    Z3_
..................................................aauugcacgguauccaucuU......    2      1    Z3_
..................................................aauCgcacgguauccaucug......    2      1    Z3_
..................................................aauugcacgguGccaucug......     2      1    Z3_
..................................................aauugcacgguaCccaucugu.....    7      1    Z3_
..................................................aauugcacgguaccaCcugu.....     5      1    Z3_
..................................................aauugcacgguauccaucugA.....   28      1    Z3_
..................................................aGuugcacgguauccaucugu.....    6      1    Z3_
..................................................aaGugcacgguauccaucugu.....    1      1    Z3_
..................................................aauugcacgguauccaucugu.....  1161     0    Z3_
..................................................Gauugcacgguauccaucugu.....    6      1    Z3_
..................................................aauugcacgguauccaucCgu.....    5      1    Z3_
..................................................aauuAcacgguauccaucugu.....    1      1    Z3_
..................................................aaAugcacgguauccaucugu.....    1      1    Z3_
..................................................aCuugcacgguauccaucugu.....    1      1    Z3_
..................................................aauugcacgAuauccaucugu.....    3      1    Z3_
..................................................aauugcacgguauccaucugC.....  108      1    Z3_
..................................................aauugcCcgguauccaucugu.....    1      1    Z3_
..................................................aauugcacgguauccaucuUu.....    3      1    Z3_
..................................................Uauugcacgguauccaucugu.....   10      1    Z3_
..................................................aauugcacgguauccaucugG.....    4      1    Z3_
..................................................aauugUacgguauccaucugu.....    2      1    Z3_
..................................................aauugcacgguGccaucugu.....     2      1    Z3_
..................................................aauugcacgguauccCucugu.....    1      1    Z3_
..................................................aauAgcacgguauccaucugu.....    1      1    Z3_
..................................................aauugcacggAauccaucugu.....    2      1    Z3_
..................................................aauugcacgguaAccaucugu.....    2      1    Z3_
..................................................aauCgcacgguauccaucugu.....    2      1    Z3_
..................................................aauugcacgguauccaucGgu.....    1      1    Z3_
..................................................aauugcacgguauccaucAgu.....    2      1    Z3_
..................................................aauugcacggCauccaucugu.....    5      1    Z3_
..................................................aauuUcacgguauccaucugu.....    1      1    Z3_
..................................................aauugcacgguauUcaucugu.....    1      1    Z3_
..................................................aauugcGcgguauccaucugu.....    7      1    Z3_
..................................................aauugcaUgguauccaucugu.....    3      1    Z3_
..................................................aaCugcacgguauccaucugu.....    3      1    Z3_
..................................................aauugcacgguauccauUugu.....    2      1    Z3_
..................................................Gauugcacgguauccaucugua....   60      1    Z3_
..................................................aauugGacgguauccaucugua....    1      1    Z3_
..................................................Cauugcacgguauccaucugua....    6      1    Z3_
..................................................aauugcacgguauccaucuAua....   13      1    Z3_
..................................................aauugcacgAuauccaucugua....   13      1    Z3_
..................................................aauugcacgguaucUaucugua....   28      1    Z3_
..................................................aaGugcacgguauccaucugua....    6      1    Z3_
..................................................aauugcacgguauccaucuguU....  232      1    Z3_
..................................................aGuugcacgguauccaucugua....   50      1    Z3_
..................................................aauugcacgguauccaucuUua....    2      1    Z3_
..................................................aauugcacgguauccaucuguC....   18      1    Z3_
..................................................aauugcacgguauccaucugua....13661     0    Z3_
..................................................aauugcacgguauccaucAgua....    9      1    Z3_
..................................................aauugcacgguGccaucugua....    40      1    Z3_
..................................................aauugcaAgguauccaucugua....    7      1    Z3_
..................................................aauugAacgguauccaucugua....    2      1    Z3_
..................................................aauCgcacgguauccaucugua....   77      1    Z3_
..................................................aauugcacgguaucAaucugua....    6      1    Z3_
..................................................aauugcacgguaCccaucugua....   65      1    Z3_
..................................................aauugcacggGauccaucugua....    2      1    Z3_
..................................................aauugcGcgguauccaucugua....   57      1    Z3_
..................................................aauugcacgguUccaucugua....     6      1    Z3_
..................................................aauugcacgguauccaucugGa....    8      1    Z3_
..................................................aauugcacgguauUcaucugua....   22      1    Z3_
..................................................aauugcacgCuauccaucugua....    2      1    Z3_
..................................................aauugcacgguauccauUugua....   14      1    Z3_
..................................................aaCugcacgguauccaucugua....   52      1    Z3_
..................................................aauugcacgguauccaucugAa....    5      1    Z3_
uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaCcugua....   58      1    Z3_
..................................................aauugcacggCauccaucugua....   48      1    Z3_
```

uguugu**cgggguggaucacgaugcaauuu**ugaugaguaucauaggagaaa**aauugcacgguauccaucuguaa**acc

```
..................................................aauugcaGgguauccaucugua....      8     1    Z3_
..................................................aauugcacgguauccaucCgua....     61     1    Z3_
..................................................aauugcacgguauccaucGgua....      4     1    Z3_
..................................................aauugcUcgguauccaucugua....      9     1    Z3_
..................................................aauuCcacgguauccaucugua....      1     1    Z3_
...................................................aCuugcacgguauccaucugua....      5     1    Z3_
..................................................aauugcacgguaGccaucugua....      2     1    Z3_
..................................................aauugcacgguaccaGcugua....      3     1    Z3_
..................................................aauugcacgguaccaucuCua....      3     1    Z3_
..................................................aauugcacgguaccaAcugua....     18     1    Z3_
..................................................aauugcacgguauAcaucugua....     16     1    Z3_
..................................................aauugcacUguauccaucugua....      3     1    Z3_
...................................................aaAugcacgguauccaucugua....     15     1    Z3_
...................................................aauAgcacgguauccaucugua....     17     1    Z3_
..................................................aauugcacgguauGcaucugua....      2     1    Z3_
..................................................aauugcacgguauccUucugua....      6     1    Z3_
..................................................aauugcacgguauccaucuguG....     76     1    Z3_
..................................................aauugcacgguauccauAugua....      2     1    Z3_
..................................................aauugcaUgguauccaucugua....     25     1    Z3_
...................................................aUuugcacgguauccaucugua....      5     1    Z3_
..................................................aauugcacggAauccaucugua....     12     1    Z3_
...................................................aauugUacgguauccaucugua....     25     1    Z3_
..................................................aauugcacgguaAccaucugua....      4     1    Z3_
...................................................aauuAcacgguauccaucugua....     17     1    Z3_
..................................................Uauugcacgguauccaucugua....     28     1    Z3_
..................................................aauugcacgguauccCucugua....      2     1    Z3_
..................................................aauugcacgguauccaucugCa....     58     1    Z3_
.................................................aauugcacgguauccaucuguaC...      1     1    Z3_
.................................................aauugcacgguauccaGcuguaa...      1     1    Z3_
.................................................aauugcacggCauccaucuguaa...      1     1    Z3_
.................................................aauugcacgguauccaucugAaa...      2     1    Z3_
.................................................aauugcacgguauccaucAguaa...      1     1    Z3_
.................................................aauugcacgguauccaucuguaa...    184     0    Z3_
.................................................aauugcacgguauccaucuguaG...     73     1    Z3_
.................................................aauugcacgguGuccaucuguaa...      1     1    Z3_
.................................................aGuugcacgguauccaucuguaa...      1     1    Z3_
.................................................aauugcacgguauccaucuguaU...     17     1    Z3_
.................................................aauugcacgguaccaCcuguaa...      2     1    Z3_
.................................................aauugcacgguauccaucuguUa...      2     1    Z3_
................................................aauugcacgguauccaucuguUaa..      1     1    Z3_
................................................Uauugcacgguauccaucuguaaa..      1     1    Z3_
................................................aauugcacgguaucUaucuguaaa..      1     1    Z3_
................................................aauugcacgguauccaucuguaaa..     15     0    Z3_
...............................................aauugcacgguauccaucuguaaG..      2     1    Z3_
...............................................aauugcacgguauccaucuguaGa..     33     1    Z3_
.................................................auugcacgguauccaucug......     28     0    Z3_
..................................................auCgcacgguauccaucug......      1     1    Z3_
.................................................auugcacgguauccaucuA......      2     1    Z3_
..................................................auugcacggCauccaucugu.....      1     1    Z3_
..................................................auugcacgguauccaucugC.....      4     1    Z3_
..................................................auugcacgguauccaucugG.....      1     1    Z3_
..................................................auugcGcgguauccaucugu.....      1     1    Z3_
...................................................aCugcacgguauccaucugu.....      1     1    Z3_
...................................................auCgcacgguauccaucugu.....      2     1    Z3_
..................................................auugcacgguauccauUugu.....      1     1    Z3_
..................................................auugcaUgguauccaucugu.....      1     1    Z3_
..................................................auugcacgCuauccaucugu.....      1     1    Z3_
..................................................auugcacgguauccaucugu.....    104     0    Z3_
...................................................auuAcacgguauccaucugua....      1     1    Z3_
..................................................auugcacgguaucUaucugua....      1     1    Z3_
..................................................auugcacggAauccaucugua....      2     1    Z3_
..................................................Guugcacgguauccaucugua....      1     1    Z3_
..................................................auugcacgguauccaucuguU....     40     1    Z3_
...................................................aAugcacgguauccaucugua....      4     1    Z3_
..................................................auugcacgguauccaucugua....    714     0    Z3_
..................................................auugcacggCauccaucugua....      4     1    Z3_
...................................................auugcacgguaAccaucugua....      3     1    Z3_
uguugucgggguggaucacgaugcaauuuugaugaguaucauaggagaaaauugcacgguauccaucugAa....      1     1    Z3_
..................................................auugcacgguauccaucugCa....      1     1    Z3_
```

**hsa-miR-363-5p**

**hsa-miR-363-3p**

```
uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc
```

```
.....................................................auugcacgguauccaucCgua....    6    1    Z3_
.....................................................auugcacgguauUcaucugua....    1    1    Z3_
.....................................................auugcacgguauccaucuAua....    1    1    Z3_
.....................................................auugcacgguauccaucuguG....    3    1    Z3_
.....................................................auCgcacgguauccaucugua....    1    1    Z3_
.....................................................auugcacgguauccaucuguC....    4    1    Z3_
.....................................................Cuugcacgguauccaucugua....    1    1    Z3_
.....................................................auugcacgguGccaucugua....     2    1    Z3_
.....................................................auugcacgguaCccaucugua....    6    1    Z3_
.....................................................auAgcacgguauccaucugua....    2    1    Z3_
.....................................................auugcacgguauccaAcugua....    1    1    Z3_
.....................................................auugcGcgguauccaucugua....    3    1    Z3_
.....................................................Uuugcacgguauccaucugua....    1    1    Z3_
.....................................................auugcacgguauccaCcugua....    3    1    Z3_
.....................................................auugUacgguauccaucugua....    2    1    Z3_
.....................................................auugcacgguauccaucuguaG...    8    1    Z3_
.....................................................auugcacgguauccaucuguUa...    5    1    Z3_
.....................................................auugcacgguaCccaucuguaa...    1    1    Z3_
.....................................................auugcacgguauccaucuguaU...   10    1    Z3_
.....................................................auugcacgguauccaucuguaa...   51    0    Z3_
.....................................................auugcacgguauccaucuguaaa..   10    0    Z3_
.....................................................auugcacgguauccaucuguaGa..    9    1    Z3_
.....................................................auugcacgAuauccaucuguaaa..    2    1    Z3_
.....................................................uugcacgguauccaucugua....     4    0    Z3_
.....................................................ugcacgguauccaucugua....     2    0    Z3_

......cggguggaucacgaugca.....................................................    2    0    Z1_
......cggguggaucacgaugcaa....................................................    4    0    Z1_
......cggguggaucacgaugcaau...................................................    5    0    Z1_
......cggguggaucacgaugcaaG...................................................    1    1    Z1_
......cggguggaucacgaugcaaC...................................................    1    1    Z1_
......cggguggaucacgaugcaauu..................................................   16    0    Z1_
......cggguggaucacgaugcaauuu.................................................    2    0    Z1_
.......gggguggaucacgaugcaauu.................................................    1    0    Z1_
.......ggguggaucacgaugcaauuu.................................................    1    0    Z1_
.....................................................aauugcacgguauccauc........    2    0    Z1_
.....................................................Uauugcacgguauccauc........    2    1    Z1_
.....................................................aauugcacgguauccaucC.......    6    1    Z1_
.....................................................aauugcacgguauccaucu.......   61    0    Z1_
.....................................................aauugcacgAuauccaucu.......    1    1    Z1_
.....................................................aCuugcacgguauccaucu.......    1    1    Z1_
.....................................................aauugcacgguaucUaucug......    3    1    Z1_
.....................................................aauugcacgguauccaucAg......    1    1    Z1_
.....................................................aauugcacgguauccaucCg......    7    1    Z1_
.....................................................aauugcacUguauccaucug......    1    1    Z1_
.....................................................aauugcacgAuauccaucug......    3    1    Z1_
.....................................................aauAgcacgguauccaucug......    3    1    Z1_
.....................................................aGuugcacgguauccaucug......    3    1    Z1_
.....................................................aauugcacgguauccauUug......    1    1    Z1_
.....................................................aauugcacgguauccaucuC......    2    1    Z1_
.....................................................aauugcacgguauccUucug......    3    1    Z1_
.....................................................aauugcacgguauccaucuA......   65    1    Z1_
.....................................................aauCgcacgguauccaucug......    9    1    Z1_
.....................................................aauugcacgguauccaucuU......    2    1    Z1_
.....................................................aauugcaUgguauccaucug......    2    1    Z1_
.....................................................aauugUacgguauccaucug......    2    1    Z1_
.....................................................aCuugcacgguauccaucug......    2    1    Z1_
.....................................................aaCugcacgguauccaucug......    7    1    Z1_
.....................................................Uauugcacgguauccaucug......    4    1    Z1_
.....................................................aauugcacgguaCccaucug......   11    1    Z1_
.....................................................aauugcacgguGccaucug......    4    1    Z1_
.....................................................aauugcacgguauUcaucug......    5    1    Z1_
.....................................................Gauugcacgguauccaucug......    7    1    Z1_
.....................................................aauugcacgguauAcaucug......    1    1    Z1_
.....................................................aauugcacgguauccaCcug......    4    1    Z1_
.....................................................aauugcacgguauccCucug......    1    1    Z1_
.....................................................aauugcacgguaGccaucug......    1    1    Z1_
uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucGg.....    1    1    Z1_
.....................................................aauugcaAgguauccaucug......    1    1    Z1_
```

```
...................................................aaAugcacgguauccaucug......     2      1    Z1_
...................................................aauugcacggCauccaucug......     9      1    Z1_
...................................................aauugcGcgguauccaucug......     5      1    Z1_
...................................................aauugcacgguauccaucug......  1449      0    Z1_
...................................................aauugcacgguaAccaucug......     1      1    Z1_
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...................................................Cauugcacgguauccaucug......     1      1    Z1_
...................................................aauugcacUguauccaucugu.....     1      1    Z1_
...................................................aauugcacgguauccaucugC.....   116      1    Z1_
...................................................aauugcacgAuauccaucugu.....     1      1    Z1_
...................................................aauugcaUgguauccaucugu.....     3      1    Z1_
...................................................aGuugcacgguauccaucugu.....     8      1    Z1_
...................................................aauugcacgguaucUaucugu.....     5      1    Z1_
...................................................aauugcacgguUuccaucugu.....     1      1    Z1_
...................................................aauugcacgguaucAaucugu.....     1      1    Z1_
...................................................aauugcacgguGuccaucugu.....     4      1    Z1_
...................................................aauugcacgguauAcaucugu.....     1      1    Z1_
...................................................aaCugcacgguauccaucugu.....    11      1    Z1_
...................................................aaGugcacgguauccaucugu.....     1      1    Z1_
...................................................aauugcacgguaccaCcugu.....     5      1    Z1_
...................................................aauugcacgguaGccaucugu.....     1      1    Z1_
...................................................aauugcacgguauccauUugu.....     1      1    Z1_
...................................................aauugcacggAauccaucugu.....     1      1    Z1_
...................................................aauugcacgguauGcaucugu.....     2      1    Z1_
...................................................aauugcacgguauccaucCgu.....    12      1    Z1_
...................................................aauugcUcgguauccaucugu.....     2      1    Z1_
...................................................aauugcacgguauccaucuAu.....     1      1    Z1_
...................................................aauugUacgguauccaucugu.....     5      1    Z1_
...................................................aauugcacCguauccaucugu.....     1      1    Z1_
...................................................aauugcacgguaCccaucugu.....    10      1    Z1_
...................................................aauugcacgguauUcaucugu.....     3      1    Z1_
...................................................Gauugcacgguauccaucugu.....     7      1    Z1_
...................................................Cauugcacgguauccaucugu.....     3      1    Z1_
...................................................aauugcacggCauccaucugu.....     6      1    Z1_
...................................................aauugDacgguauccaucugu.....     2      1    Z1_
...................................................Uauugcacgguauccaucugu.....     8      1    Z1_
...................................................aauugcacgguauccUucugu.....     2      1    Z1_
...................................................aauugcacgguauccaucugu.....  1644      0    Z1_
...................................................aauugcacgguauccaucugA.....    46      1    Z1_
...................................................aaAugcacgguauccaucugu.....     3      1    Z1_
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...................................................aauuCcacgguauccaucugu.....     1      1    Z1_
...................................................aauugcacgguaAccaucugu.....     2      1    Z1_
...................................................aauugcacgguauccaucugG.....    13      1    Z1_
...................................................aauCgcacgguauccaucugu.....     3      1    Z1_
...................................................aauAgcacgguauccaucugu.....     2      1    Z1_
...................................................aauuCcacgguauccaucugua....     4      1    Z1_
...................................................aauugcacgguauccaucugGa....    24      1    Z1_
...................................................aauugcacUguauccaucugua....    12      1    Z1_
...................................................aauugcacgguauccaCcugua....   150      1    Z1_
...................................................aauugcCcgguauccaucugua....     7      1    Z1_
...................................................aauugcacgguauccauUugua....    25      1    Z1_
...................................................aauugcacgguCuccaucugua....     5      1    Z1_
...................................................aauugcacgguauccaucugCa....   141      1    Z1_
...................................................aauugcacgguauccauGugua....     1      1    Z1_
...................................................aauugcUcgguauccaucugua....    24      1    Z1_
...................................................aUuugcacgguauccaucugua....    14      1    Z1_
...................................................aauugcacgguauccaucuCua....     2      1    Z1_
...................................................aauugcacgguauccaucuUua....     1      1    Z1_
...................................................aauugcaUgguauccaucugua....    68      1    Z1_
...................................................Uauugcacgguauccaucugua....   118      1    Z1_
...................................................aauugDacgguauccaucugua....     2      1    Z1_
...................................................aauCgcacgguauccaucugua....   137      1    Z1_
...................................................aauugcacgguauUcaucugua....    48      1    Z1_
...................................................aauugcacggGauccaucugua....     3      1    Z1_
...................................................aauugcacgguauccaucuAua....    25      1    Z1_
...................................................aauugAacgguauccaucugua....     3      1    Z1_
uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacCguauccaucugua....     3      1    Z1_
...................................................aauugcacggAauccaucugua....    21      1    Z1_
```

hsa-miR-363-5p

hsa-miR-363-3p

uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

```
................................................aauugcacggCauccaucugua....    99      1    Z1_
................................................aauuUcacgguauccaucugua....     7      1    Z1_
................................................aauugcacgguauccaucugAa....    11      1    Z1_
................................................aCuugcacgguauccaucugua....     9      1    Z1_
................................................aauugcacgguauccaucuguG....   189      1    Z1_
................................................aauugcGcgguauccaucugua....   203      1    Z1_
................................................aauugcacgguaCccaucugua....   181      1    Z1_
................................................aauugcacgguaccaAcugua....     22      1    Z1_
................................................aauugcacgAuauccaucugua....    42      1    Z1_
................................................aGuugcacgguauccaucugua....   150      1    Z1_
................................................aaGugcacgguauccaucugua....     9      1    Z1_
................................................aauAgcacgguauccaucugua....    27      1    Z1_
................................................aauugcacgguauccaGcugua....     7      1    Z1_
................................................aauugcacgguauccaucAgua....    24      1    Z1_
................................................aauugcacgguauccauAugua....     2      1    Z1_
................................................aaCugcacgguauccaucugua....   133      1    Z1_
................................................aauugcacgguauccaucGgua....    12      1    Z1_
................................................aauugcacgguauccCucugua....     3      1    Z1_
................................................aauuAcacgguauccaucugua....    55      1    Z1_
................................................aauugcacgguaGccaucugua....     4      1    Z1_
................................................aaAugcacgguauccaucugua....    30      1    Z1_
................................................aauugcacgguaucAaucugua....    11      1    Z1_
................................................aauugUacgguauccaucugua....    74      1    Z1_
................................................aauugcacgguUccaucugua....      4      1    Z1_
................................................aauugcacgguaucUaucugua....    47      1    Z1_
................................................aauugcaAgguauccaucugua....    23      1    Z1_
................................................Cauugcacgguauccaucugua....    32      1    Z1_
................................................aauugcacgguauccaucugua.... 32414      0    Z1_
................................................aauugcaGgguauccaucugua....    10      1    Z1_
................................................Gauugcacgguauccaucugua....   150      1    Z1_
................................................aauugcacgCuauccaucugua....     8      1    Z1_
................................................aauugcacgguaAccaucugua....    25      1    Z1_
................................................aauugcacgguauAcaucugua....    15      1    Z1_
................................................aauugcacgguauccaucuguU....   324      1    Z1_
................................................aauugcacgguauccaucCgua....   139      1    Z1_
................................................aauugcacgguauccUucugua....    13      1    Z1_
................................................aauugcacgguauccaucuguC....    27      1    Z1_
................................................aauugcacgguauGcaucugua....     3      1    Z1_
................................................aauugcacgguGuccaucugua....    85      1    Z1_
................................................aauugcacgguauccaucuguGa...     2      1    Z1_
................................................aauugcacgguauccaucugCaa...     1      1    Z1_
................................................aauugcacgguauccaucuguaa...   433      0    Z1_
................................................aGuugcacgguauccaucuguaa...     3      1    Z1_
................................................aauugcacgguaccaAcuguaa...      1      1    Z1_
................................................aauugcacgAuauccaucuguaa...     4      1    Z1_
................................................aauAgcacgguauccaucuguaa...     1      1    Z1_
................................................aauugcacgguauccaucuguaU...    50      1    Z1_
................................................aauugcCcgguauccaucuguaa...     1      1    Z1_
................................................aauugcacgguauccaucuguaC...     3      1    Z1_
................................................aauugcacgguauccauUuguaa...     1      1    Z1_
................................................aauugcUcgguauccaucuguaa...     1      1    Z1_
................................................aauugcacgguauccaucuguaG...   103      1    Z1_
................................................aauugcacgguauccaucuguUa...     4      1    Z1_
................................................aauugcacgguGuccaucuguaa...     1      1    Z1_
................................................aauuAcacgguauccaucuguaa...     1      1    Z1_
................................................aauugUacgguauccaucuguaa...     2      1    Z1_
................................................aauugcacgguaucUaucuguaa...     2      1    Z1_
................................................aauCgcacgguauccaucuguaa...     1      1    Z1_
................................................aauugcacgguauccaucuguaGa..    98      1    Z1_
................................................aauugcacgguauccaucuguaaa..    42      0    Z1_
................................................aauugcacgguauccaucuguaUa..     2      1    Z1_
................................................aauCgcacgguauccaucuguaaa..     2      1    Z1_
................................................auugcacgguauccaucu.......      1      0    Z1_
................................................auugcacgguauccaucuA......      3      1    Z1_
................................................auugcacgguauccaucug......     57      0    Z1_
................................................auugUacgguauccaucug......      1      1    Z1_
................................................auCgcacgguauccaucug......      1      1    Z1_
uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaauugcacgguauccaucAg......      1      1    Z1_
................................................auugcacgguauccaucugu.....    191      0    Z1_
```

hsa-miR-363-3p

uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

| Sequence | Count | | |
|---|---|---|---|
| ...................................................auugcacgguaAccaucugu..... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucugC..... | 8 | 1 | Z1_ |
| ...................................................auugcacgguauccauUugu..... | 1 | 1 | Z1_ |
| ...................................................auugUacgguauccaucugu..... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuAu..... | 1 | 1 | Z1_ |
| ...................................................auugcaUgguauccaucugu..... | 2 | 1 | Z1_ |
| ...................................................auugcacgguauccaCcugu..... | 2 | 1 | Z1_ |
| ...................................................auugcacgguauccaucugA..... | 5 | 1 | Z1_ |
| ...................................................auuUcacgguauccaucugu..... | 1 | 1 | Z1_ |
| ...................................................aCugcacgguauccaucugu..... | 1 | 1 | Z1_ |
| ...................................................auugGacgguauccaucugua.... | 2 | 1 | Z1_ |
| ...................................................auugcacgguauccaAcugua.... | 2 | 1 | Z1_ |
| ...................................................aAugcacgguauccaucugua.... | 4 | 1 | Z1_ |
| ...................................................aCugcacgguauccaucugua.... | 2 | 1 | Z1_ |
| ...................................................auugcaUgguauccaucugua.... | 6 | 1 | Z1_ |
| ...................................................auugcacgguauccaucCgua.... | 3 | 1 | Z1_ |
| ...................................................auugcacgguaucUaucugua.... | 4 | 1 | Z1_ |
| ...................................................auugcacUguauccaucugua.... | 1 | 1 | Z1_ |
| ...................................................auugcacgguaucAaucugua.... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuCua.... | 1 | 1 | Z1_ |
| ...................................................auCgcacgguauccaucugua.... | 15 | 1 | Z1_ |
| ...................................................auugcacgguauccaucugGa.... | 1 | 1 | Z1_ |
| ...................................................auugcacggCauccaucugua.... | 9 | 1 | Z1_ |
| ...................................................Guugcacgguauccaucugua.... | 17 | 1 | Z1_ |
| ...................................................auugUacgguauccaucugua.... | 8 | 1 | Z1_ |
| ...................................................auugcacgAuauccaucugua.... | 1 | 1 | Z1_ |
| ...................................................aGugcacgguauccaucugua.... | 1 | 1 | Z1_ |
| ...................................................auuAcacgguauccaucugua.... | 4 | 1 | Z1_ |
| ...................................................auugcacgguauccaucugua.... | 2038 | 0 | Z1_ |
| ...................................................auugcGcgguauccaucugua.... | 16 | 1 | Z1_ |
| ...................................................auugcaGgguauccaucugua.... | 2 | 1 | Z1_ |
| ...................................................auugcacgguaucGgua.... | 1 | 1 | Z1_ |
| ...................................................auugcacggAauccaucugua.... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguG.... | 7 | 1 | Z1_ |
| ...................................................auugcacgguauUcaucugua.... | 4 | 1 | Z1_ |
| ...................................................auugcacgguaCccaucugua.... | 10 | 1 | Z1_ |
| ...................................................Cuugcacgguauccaucugua.... | 2 | 1 | Z1_ |
| ...................................................auugcacgguauAcaucugua.... | 1 | 1 | Z1_ |
| ...................................................auugcUcgguauccaucugua.... | 2 | 1 | Z1_ |
| ...................................................auuUcacgguauccaucugua.... | 1 | 1 | Z1_ |
| ...................................................Uuugcacgguauccaucugua.... | 3 | 1 | Z1_ |
| ...................................................auugcaAgguauccaucugua.... | 1 | 1 | Z1_ |
| ...................................................auugcacgguaAccaucugua.... | 2 | 1 | Z1_ |
| ...................................................auugcacgguGuccaucugua.... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguU.... | 51 | 1 | Z1_ |
| ...................................................auugcacgguauccaCcugua.... | 5 | 1 | Z1_ |
| ...................................................auugcacgguauccauGugua.... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguC.... | 12 | 1 | Z1_ |
| ...................................................auugcacgguauccaucugCa.... | 10 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguaC... | 2 | 1 | Z1_ |
| ...................................................aCugcacgguauccaucuguaa... | 1 | 1 | Z1_ |
| ...................................................auugcacggCauccaucuguaa... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguaa... | 125 | 0 | Z1_ |
| ...................................................auugcacgguauccaucuguUa... | 6 | 1 | Z1_ |
| ...................................................auugcacgguauccaucAguaa... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguaG... | 18 | 1 | Z1_ |
| ...................................................auugcacgguauccaucugAaa... | 3 | 1 | Z1_ |
| ...................................................Cuugcacgguauccaucuguaa... | 1 | 1 | Z1_ |
| ...................................................auugcacgguaGccaucuguaa... | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguaU... | 22 | 1 | Z1_ |
| ...................................................Guugcacgguauccaucuguaa... | 2 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguaGa.. | 27 | 1 | Z1_ |
| ...................................................auugcacgAuauccaucuguaaa.. | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguaaa.. | 39 | 0 | Z1_ |
| ...................................................auugcacgguauccaucuguaaU.. | 1 | 1 | Z1_ |
| ...................................................auugcacgguauccaucuguUaa.. | 2 | 1 | Z1_ |
| ...................................................auugcacgguauccaCcuguaaa.. | 1 | 1 | Z1_ |
| uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaauugcacgguauccaucugua.... | 3 | 0 | Z1_ |
| ...................................................Augcacgguauccaucugua.... | 2 | 1 | Z1_ |

<span style="color:red">hsa-miR-363-5p</span>

<span style="color:red">hsa-miR-363-3p</span>

uguugu<span style="color:red">cggguggaucacgaugcaauuu</span>ugaugaguaucauaggagaaa<span style="color:red">aauugcacgguauccaucugua</span>aacc

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.........................................................uuAcacgguauccaucugua....      2      1     Z1_
.........................................................uugcacgguauccaucuguaG...      1      1     Z1_
.........................................................uugcacgguauccaucuguaGa..      1      1     Z1_


......cggguggaucacgaugca.........................................................      3      0     Z2_
......cggguggaucacgaugcaau.......................................................      8      0     Z2_
......cggguggaucacgaugcaauu......................................................      2      0     Z2_
......cggguggaucacgaugcaauuu.....................................................      8      0     Z2_
......ggguggaucacgaugcaauuu......................................................      2      0     Z2_
.......................................................aaauugcacgguauccaucugua....      2      0     Z2_
.............................................................aauugcacgguauccauc........      2      0     Z2_
.............................................................aauugcacgguauccaucu.......     36      0     Z2_
.............................................................aauugcacgguauccaucC.......      1      1     Z2_
.............................................................aauugcacgguauccaucA.......      1      1     Z2_
.............................................................aauugcacgguaCccaucug......      8      1     Z2_
.............................................................aGuugcacgguauccaucug......      2      1     Z2_
.............................................................aauugcacgguauccauAug......      1      1     Z2_
.............................................................aauugcaUgguauccaucug......      1      1     Z2_
.............................................................aauCgcacgguauccaucug......      3      1     Z2_
.............................................................aauuAcacgguauccaucug......      2      1     Z2_
.............................................................aauugcacgguauccaGcug......      1      1     Z2_
.............................................................aauugcacgguauccaucGg......      1      1     Z2_
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.............................................................aCuugcacgguauccaucug......      1      1     Z2_
.............................................................aauugcacgguauccaucuU......      2      1     Z2_
.............................................................aauugcacgguauccaucuC......      1      1     Z2_
.............................................................aauugcacgguauccauUug......      1      1     Z2_
.............................................................aaAugcacgguauccaucug......      1      1     Z2_
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.............................................................aauugcacUguauccaucug......      1      1     Z2_
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.............................................................aauugcacgguauccaucCg......      6      1     Z2_
.............................................................aauugcacgguauccaucAg......      1      1     Z2_
.............................................................aauugcacgguauccaAcug......      2      1     Z2_
.............................................................aauugcacgguauccaucug......    939      0     Z2_
.............................................................aauugcacgguUuccaucug......      1      1     Z2_
.............................................................aauugcacgguaucUaucug......      1      1     Z2_
.............................................................Gauugcacgguauccaucug......      7      1     Z2_
.............................................................aauugcacgAuauccaucug......      2      1     Z2_
.............................................................Uauugcacgguauccaucug......      3      1     Z2_
.............................................................aauugcacgguGuccaucug......      4      1     Z2_
.............................................................aauugcacgguauccaCcug......      4      1     Z2_
.............................................................aauugcGcgguauccaucug......      6      1     Z2_
.............................................................aauugcacgguauccaucuA......     47      1     Z2_
.............................................................aauugcacgguaCccaucugu.....      6      1     Z2_
.............................................................aauugcaGgguauccaucugu.....      1      1     Z2_
.............................................................aGuugcacgguauccaucugu.....      8      1     Z2_
.............................................................aauugcUcgguauccaucugu.....      5      1     Z2_
.............................................................aauuAcacgguauccaucugu.....      2      1     Z2_
.............................................................aauugcacgguauccaucCgu.....     10      1     Z2_
.............................................................aaAugcacgguauccaucugu.....      1      1     Z2_
.............................................................aauugcacgguauccaucugC.....     44      1     Z2_
.............................................................aauugcGcgguauccaucugu.....      7      1     Z2_
.............................................................aauugcacUguauccaucugu.....      1      1     Z2_
.............................................................aauugcacgguGuccaucugu.....      6      1     Z2_
.............................................................aauugcacgguauccaCcugu.....      3      1     Z2_
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.............................................................Uauugcacgguauccaucugu.....      2      1     Z2_
.............................................................aauugcacgguauccaucAgu.....      1      1     Z2_
.............................................................aauugcacggCauccaucugu.....      3      1     Z2_
.............................................................aauugcacgguauccaucugA.....     24      1     Z2_
.............................................................aUuugcacgguauccaucugu.....      1      1     Z2_
.............................................................aauAgcacgguauccaucugu.....      2      1     Z2_
uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucugu.....   1028      0     Z2_
.............................................................aauugcacgguaAccaucugu.....      1      1     Z2_
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uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

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.....................................................Gauugcacgguauccaucugu.....      5      1    Z2_
.....................................................aaCugcacgguauccaucugu.....      1      1    Z2_
.....................................................aauugUacgguauccaucugu.....      5      1    Z2_
.....................................................aauugcacgguauccaucuCu.....      1      1    Z2_
.....................................................aauugcacgguauccaucugG.....      8      1    Z2_
.....................................................aauugcacgAuauccaucugu.....      1      1    Z2_
.....................................................aauugcacgguauUcaucugu.....      3      1    Z2_
.....................................................aauugcacgguauccaucGgua....      2      1    Z2_
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.....................................................aaCugcacgguauccaucugua....     58      1    Z2_
.....................................................aUuugcacgguauccaucugua....     16      1    Z2_
.....................................................aauugcacgguaccaCcugua....     66      1    Z2_
.....................................................Uauugcacgguauccaucugua....     24      1    Z2_
.....................................................aauugcacgguauccaucugua....  14634      0    Z2_
.....................................................aaGugcacgguauccaucugua....      1      1    Z2_
.....................................................aauCgcacgguauccaucugua....     82      1    Z2_
.....................................................aauugcacgguauccaucugAa....      2      1    Z2_
.....................................................aauugcacgguauccCucugua....      4      1    Z2_
.....................................................aauugcacggCauccaucugua....     45      1    Z2_
.....................................................aauugcacgguaccaAcugua....     15      1    Z2_
.....................................................aauugcaUgguauccaucugua....     16      1    Z2_
.....................................................aCuugcacgguauccaucugua....      1      1    Z2_
.....................................................aauuUcacgguauccaucugua....      2      1    Z2_
.....................................................aaAugcacgguauccaucugua....     10      1    Z2_
.....................................................aauugcacgguauccaucCgua....     63      1    Z2_
.....................................................aauugcacgguauccauAugua....      4      1    Z2_
.....................................................aGuugcacgguauccaucugua....     55      1    Z2_
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.....................................................aauugcGcgguauccaucugua....     81      1    Z2_
.....................................................aauugAacgguauccaucugua....      6      1    Z2_
.....................................................aauugcacCguauccaucugua....      3      1    Z2_
.....................................................aauugcacgguaucUaucugua....     27      1    Z2_
.....................................................aauugcacgguauccaucuUua....      1      1    Z2_
.....................................................aauuCcacgguauccaucugua....      1      1    Z2_
.....................................................aauugcacgguauccaucuguU....    165      1    Z2_
.....................................................aauugUacgguauccaucugua....     26      1    Z2_
.....................................................aauuAcacgguauccaucugua....     34      1    Z2_
.....................................................Gauugcacgguauccaucugua....     67      1    Z2_
.....................................................aauugcacgguauccaucuguC....     20      1    Z2_
.....................................................Cauugcacgguauccaucugua....      8      1    Z2_
.....................................................aauugcacggGauccaucugua....      1      1    Z2_
.....................................................aauugcaGgguauccaucugua....      3      1    Z2_
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.....................................................aauugcacgguauccaucuAua....     17      1    Z2_
.....................................................aauugcacgguauAcaucugua....      9      1    Z2_
.....................................................aauugcacgguaCccaucugua....    102      1    Z2_
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.....................................................aauugcacgguauUcaucugua....     24      1    Z2_
.....................................................aauugcacgguauccaucAgua....      7      1    Z2_
.....................................................aauugcacggAauccaucugua....     11      1    Z2_
.....................................................aauugcacgguauccaucuguGa....     16      1    Z2_
.....................................................aauugcaAgguauccaucugua....      5      1    Z2_
.....................................................aauugcacUguauccaucugua....     11      1    Z2_
.....................................................aauugcacgguaucAaucugua....      5      1    Z2_
.....................................................aauugcacgAuauccaucugua....     18      1    Z2_
.....................................................aauAgcacgguauccaucugua....     18      1    Z2_
.....................................................aauugcacgguGccaucugua....     49      1    Z2_
.....................................................aauugcacgguauccaucuguG....     78      1    Z2_
.....................................................aauugcacgguauccaucuCua....      3      1    Z2_
.....................................................aauugcacgCuauccaucugua....      1      1    Z2_
.....................................................aauugcacgguauccauUugua....     18      1    Z2_
.....................................................aauugcacgguauccaucugCa....     63      1    Z2_
.....................................................aauugcacgguaccUucugua....     12      1    Z2_
.....................................................aauugcacgguaGccaucugua....      3      1    Z2_
.....................................................aauugcacgguaAccaucugua....      4      1    Z2_
uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauAgcacgguauccaucuguaa...      1      1    Z2_
.....................................................aaCugcacgguauccaucuguaa...      1      1    Z2_
```

The row reading `.....................................................aauugcacgguaGccaucugua....     3      1    Z2_` appears with label hsa-miR-363-5p at the left.

uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

```
.......................................................aauuAcacgguauccaucuguaa...          1     1     Z2_
.......................................................aauugcacgguauccaucuguaU...          43    1     Z2_
.......................................................aauugcacgguaCccaucuguaa...           4     1     Z2_
.......................................................aauugcGcgguauccaucuguaa...           4     1     Z2_
.......................................................aauugcacgguauccaucuguaa...           170   0     Z2_
.......................................................aauugcacgguauccaucuguUa...           5     1     Z2_
.......................................................aauugcacgguauccaucuguaC...           4     1     Z2_
.......................................................aauugcacgguauccaCcuguaa...           2     1     Z2_
.......................................................aauugcacgguauccaucuguaG...           92    1     Z2_
.......................................................aauugcacgguauccaAcuguaa...           1     1     Z2_
.......................................................aauugcacgguauccaucCguaa...           2     1     Z2_
.......................................................aauugcacgguauccaucuguaaa..           19    0     Z2_
.......................................................aauugcacgguauccaucuguUaa..           2     1     Z2_
.......................................................aauugcacgguauccaucuguaGa..           50    1     Z2_
.......................................................auugcacgguauccaucug......            44    0     Z2_
.......................................................auugcacgguaCccaucug......            1     1     Z2_
.......................................................Guugcacgguauccaucug......            1     1     Z2_
.......................................................auugcGcgguauccaucug......            1     1     Z2_
.......................................................auCgcacgguauccaucug......            1     1     Z2_
.......................................................auugcacgguauccaucuA......            3     1     Z2_
.......................................................auugcacgguauccauUugu......            2     1     Z2_
.......................................................auugcacgguauccaucugA.....            7     1     Z2_
.......................................................auugcacgguauccaucugC.....            5     1     Z2_
.......................................................auugcGcgguauccaucugu.....            1     1     Z2_
.......................................................auugcacgguauccaucugu.....            113   0     Z2_
.......................................................auugcacgguauccCucugua....            1     1     Z2_
.......................................................auugcacggAauccaucugua....            1     1     Z2_
.......................................................auugUacgguauccaucugua....            5     1     Z2_
.......................................................auugcaAgguauccaucugua....            1     1     Z2_
.......................................................auugcacgguGuccaucugua....            4     1     Z2_
.......................................................auugcacgguauccaucAgua....            1     1     Z2_
.......................................................auugcacCguauccaucugua....            1     1     Z2_
.......................................................auugAacgguauccaucugua....            1     1     Z2_
.......................................................auugcacgguauccaucugua....            823   0     Z2_
.......................................................auugcacgguUuccaucugua....            1     1     Z2_
.......................................................auugcacgguaCccaucugua....            4     1     Z2_
.......................................................aCugcacgguauccaucugua....            5     1     Z2_
.......................................................Guugcacgguauccaucugua....            3     1     Z2_
.......................................................auugcacgguauAcaucugua....            2     1     Z2_
.......................................................auugcacgguauccaucuguG....            4     1     Z2_
.......................................................auugcacgguauccaucugGa....            3     1     Z2_
.......................................................auugcGcgguauccaucugua....            3     1     Z2_
.......................................................auCgcacgguauccaucugua....            2     1     Z2_
.......................................................auugcacgguauccauUugua....            1     1     Z2_
.......................................................Cuugcacgguauccaucugua....            1     1     Z2_
.......................................................auugcCcgguauccaucugua....            1     1     Z2_
.......................................................auugcacgguauUcaucugua....            1     1     Z2_
.......................................................auugcacgguauccaucuguC....            3     1     Z2_
.......................................................auugcaUgguauccaucugua....            2     1     Z2_
.......................................................auugcacgguaucUaucugua....            1     1     Z2_
.......................................................auugcacgguauGcaucugua....            3     1     Z2_
.......................................................auugcacggCauccaucugua....            4     1     Z2_
.......................................................auugcacgguauccaucuguU....            35    1     Z2_
.......................................................auugcacgguauccaucugCa....            6     1     Z2_
.......................................................auugcacgguauccaucuguaa...            49    0     Z2_
.......................................................auugcacgguauccaucuguaG...            19    1     Z2_
.......................................................auugcacgguGuccaucuguaa...            1     1     Z2_
.......................................................auugcacgguauccaucugCaa...            1     1     Z2_
.......................................................auugcacgguauccaucugAaa...            1     1     Z2_
.......................................................auugcGcgguauccaucuguaa...            1     1     Z2_
.......................................................auugcacUguauccaucuguaa...            1     1     Z2_
.......................................................auugcacgguauccaucuguUa...            4     1     Z2_
.......................................................auugcacgguauccaucuguaU...            12    1     Z2_
.......................................................auugcacgguauccaucuguaGa..            7     1     Z2_
.......................................................auugcacgguauccaucuguaaa..            10    0     Z2_
.......................................................uugcacgguauccaucugua....            2     0     Z2_
.......................................................uugcacgguauccaucuguaU...            3     1     Z2_
.......................................................uugcacgguauccaucuguaaU..            3     1     Z2_


......cggguggaucacgaugca.................................................                   1     0     GDM
```

uguugucggguggaucacgaugcaauuugaugaguaucauaggagaaaaauugcacgguauccaucguaaacc

```
......cggguggaucacgaugcaa..............................................    5      0    GDM
......cggguggaucacgaugcaa..............................................    5      0    GDM
......cggguggaucacgaugcaa..............................................    5      0    GDM
......cggguggaucacgaugcaau.............................................    8      0    GDM
......cggguggaucacgaugcaau.............................................    8      0    GDM
......cggguggaucacgaugcaaCu............................................    1      1    GDM
......cggguggaucacgaugcaauC............................................    2      1    GDM
......cggguggaucacgaugcaauu............................................   13      0    GDM
......cggguggaCcacgaugcaauu............................................    1      1    GDM
......cggguggaucacgaugcaauu............................................   13      0    GDM
......cggguggaucacgaugcaauu............................................   13      0    GDM
......cggguggaucacgaugcaauuu...........................................    5      0    GDM
......cggguggaucacgaugcaauuu...........................................    5      0    GDM
......cggguggaucacgaugcaauuuu..........................................    2      0    GDM
......gggguggaucacgaugcaauu............................................    2      0    GDM
......gggguggaucacgaugcaauuu...........................................    6      0    GDM
......gggguggaucacgaugcaauuu...........................................    6      0    GDM
......gggguggaucacgaugcaauuu...........................................    4      0    GDM
......gggguggaucacgaugcaauuu...........................................    4      0    GDM
.........guggaucacgaugcaauuuugaA.......................................    4      1    GDM
..........................................aaauugcacgguauccaucugu......    3      0    GDM
..........................................aaauugcacgguauccaucugC......    1      1    GDM
..........................................aaauugcacgguauccaucugu......    3      0    GDM
..........................................aaauugcacgguauccaucugua....    2      0    GDM
..........................................Caauugcacgguauccaucugua....    7      1    GDM
..........................................Caauugcacgguauccaucugua....    7      1    GDM
..........................................aaauugcacggCauccauc........    1      1    GDM
..........................................aaauugcacgguauccauc........   18      0    GDM
..........................................aaauugcacgguauccauc........   18      0    GDM
..........................................aaauugcacgguauccauc........   18      0    GDM
..........................................aaCugcacgguauccaucu.......    3      1    GDM
..........................................aaauugcacgguauccaucA.......   14      1    GDM
..........................................aaauugcacgguauccaucC.......   16      1    GDM
..........................................aaauugcacgguauccaucu.......  189      0    GDM
..........................................aaauugcacgAuauccaucu.......    1      1    GDM
..........................................aaauugcacggCauccaucu.......    3      1    GDM
..........................................aaauugcacgguauccaucG.......    1      1    GDM
..........................................aauCgcacgguauccaucu.......    3      1    GDM
..........................................aaauugcacgguauccaucA.......   14      1    GDM
..........................................aaauugcacgguauccaucA.......   14      1    GDM
..........................................aaauugcacguaCccaucu.......    1      1    GDM
..........................................aaauugcacgguauccaucu.......  189      0    GDM
..........................................aaauugcacgguauccaucu.......  189      0    GDM
..........................................aauCgcacgguauccaucu.......    3      1    GDM
..........................................aaauugcacgguaucUaucu.......    1      1    GDM
..........................................Cauugcacgguauccaucu.......    1      1    GDM
..........................................aauAgcacgguauccaucu.......    2      1    GDM
..........................................aaauugcacgguauccaCCu.......    1      1    GDM
..........................................aaCugcacgguauccaucu.......    3      1    GDM
..........................................Uauugcacgguauccaucu.......    3      1    GDM
..........................................aauugcGcgguauccaucu.......    2      1    GDM
..........................................aaauugcacgguauccaucC.......   16      1    GDM
..........................................Gauugcacgguauccaucu.......    3      1    GDM
..........................................aaauugcacgguauccaucC.......   16      1    GDM
..........................................aaauugcacgguUuccaucug......    1      1    GDM
..........................................aauugcGcgguauccaucug......   18      1    GDM
..........................................aauugcUcgguauccaucug.....    4      1    GDM
..........................................aaauugcacgAuauccaucug.....    6      1    GDM
..........................................aaauugcacgCuauccaucug.....    4      1    GDM
..........................................aaauugcacgguauccaucCg.....   14      1    GDM
..........................................aauugcUcgguauccaucug......    4      1    GDM
..........................................aaauugcacggCauccaucug.....   10      1    GDM
..........................................aaauugcacgguauccaucuA.....  156      1    GDM
..........................................aaauugcacgguauccaucuA.....  156      1    GDM
..........................................aaauugcacgguGuccaucug......    3      1    GDM
..........................................aaCugcacgguauccaucug......   21      1    GDM
..........................................aaauugcacgguauccaucug......  3110   0    GDM
uguugucggguggaucacgaugcaauuugaugaguaucauaggagaaaaauugcaGgguauccaucug.....    1      1    GDM
..........................................aaCugcacgguauccaucug......   21      1    GDM
```

hsa-miR-363-5p

hsa-miR-363-3p

uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

| Sequence | | | |
|---|---|---|---|
| ..................................................aauugcacgguauccaCcug...... | 16 | 1 | GDM |
| ..................................................aauugcacgguauccaucuC...... | 3 | 1 | GDM |
| ..................................................aauuAcacgguauccaucug...... | 5 | 1 | GDM |
| ..................................................Uauugcacgguauccaucug...... | 7 | 1 | GDM |
| ..................................................Gauugcacgguauccaucug...... | 11 | 1 | GDM |
| ..................................................aauugcGcgguauccaucug...... | 18 | 1 | GDM |
| ..................................................aauugcacgguaucUaucug...... | 5 | 1 | GDM |
| ..................................................aauugcaUgguauccaucug...... | 3 | 1 | GDM |
| ..................................................aauugcacggCauccaucug...... | 10 | 1 | GDM |
| ..................................................aauAgcacgguauccaucug...... | 2 | 1 | GDM |
| ..................................................aauCgcacgguauccaucug...... | 23 | 1 | GDM |
| ..................................................aauugcacgguauccauUug...... | 2 | 1 | GDM |
| ..................................................aauugcacgguauccaucug...... | 3110 | 0 | GDM |
| ..................................................aaCugcacgguauccaucug...... | 21 | 1 | GDM |
| ..................................................aauugcacggCauccaucug...... | 10 | 1 | GDM |
| ..................................................Uauugcacgguauccaucug...... | 7 | 1 | GDM |
| ..................................................aauugcacgguauccaucCg...... | 14 | 1 | GDM |
| ..................................................aauugcacgguaCccaucug...... | 24 | 1 | GDM |
| ..................................................aauugcacgguauccaucuU...... | 4 | 1 | GDM |
| ..................................................Cauugcacgguauccaucug...... | 1 | 1 | GDM |
| ..................................................aauugcacgguauccaucGg...... | 112 | 1 | GDM |
| ..................................................aauugcacgAuauccaucug...... | 6 | 1 | GDM |
| ..................................................aauugcacgguauccaucuA...... | 156 | 1 | GDM |
| ..................................................aauugcacgguauccaCcug...... | 16 | 1 | GDM |
| ..................................................aauAgcacgguauccaucug...... | 2 | 1 | GDM |
| ..................................................aauCgcacgguauccaucug...... | 23 | 1 | GDM |
| ..................................................aauugUacgguauccaucug...... | 3 | 1 | GDM |
| ..................................................aauugcacgguauccaucuU...... | 4 | 1 | GDM |
| ..................................................aauugcaUgguauccaucug...... | 3 | 1 | GDM |
| ..................................................aauugcacgguauccaucug...... | 3110 | 0 | GDM |
| ..................................................aauugcacgguaccaAcug...... | 4 | 1 | GDM |
| ..................................................aaAugcacgguauccaucug...... | 5 | 1 | GDM |
| ..................................................aauugcacgguauccaGcug...... | 2 | 1 | GDM |
| ..................................................aauugcacgguGuccaucug...... | 3 | 1 | GDM |
| ..................................................Uauugcacgguauccaucug...... | 7 | 1 | GDM |
| ..................................................aauugUacgguauccaucug...... | 3 | 1 | GDM |
| ..................................................aauugcacgAuauccaucug...... | 6 | 1 | GDM |
| ..................................................aauugcacgguauccauUug...... | 2 | 1 | GDM |
| ..................................................aauugcacgguauccaucuC...... | 3 | 1 | GDM |
| ..................................................aauugcacgguauccaGcug...... | 2 | 1 | GDM |
| ..................................................aauugcacgguauccaucuU...... | 4 | 1 | GDM |
| ..................................................aauugcacgguaucUaucug...... | 5 | 1 | GDM |
| ..................................................aauugcacgguauccaucGg...... | 112 | 1 | GDM |
| ..................................................aauugcacgguauccUucug...... | 2 | 1 | GDM |
| ..................................................aauugcacgguaccaAcug...... | 4 | 1 | GDM |
| ..................................................aGuugcacgguauccaucug...... | 13 | 1 | GDM |
| ..................................................aauugcacgguaAccaucug...... | 4 | 1 | GDM |
| ..................................................aauuCcacgguauccaucug...... | 1 | 1 | GDM |
| ..................................................aauugcacgguauUcaucug...... | 6 | 1 | GDM |
| ..................................................Gauugcacgguauccaucug...... | 11 | 1 | GDM |
| ..................................................aauugcacgguaCccaucug...... | 24 | 1 | GDM |
| ..................................................aauuAcacgguauccaucug...... | 5 | 1 | GDM |
| ..................................................aauugcGcgguauccaucug...... | 18 | 1 | GDM |
| ..................................................aauugcacggAauccaucug...... | 3 | 1 | GDM |
| ..................................................aauugcacgguauccaucuC...... | 3 | 1 | GDM |
| ..................................................aauugcacgguauccaCcug...... | 16 | 1 | GDM |
| ..................................................aauugcacgguauccaucAg...... | 6 | 1 | GDM |
| ..................................................aauugcacgguauUcaucug...... | 6 | 1 | GDM |
| ..................................................aGuugcacgguauccaucug...... | 13 | 1 | GDM |
| ..................................................aauugcacgguauccaucAg...... | 6 | 1 | GDM |
| ..................................................aauugcaUgguauccaucug...... | 3 | 1 | GDM |
| ..................................................aaAugcacgguauccaucug...... | 5 | 1 | GDM |
| ..................................................aaAugcacgguauccaucug...... | 5 | 1 | GDM |
| ..................................................aauugcacgguaAccaucug...... | 4 | 1 | GDM |
| ..................................................aauugcacgguauccUucug...... | 2 | 1 | GDM |
| ..................................................aauugcacgguauccaucAg...... | 6 | 1 | GDM |
| ..................................................aauCgcacgguauccaucug...... | 23 | 1 | GDM |
| uguugucggguggaucacgaugcaauuugaugaguaucauaggagaaaaGuugcacgguauccaucug......... | 13 | 1 | GDM |
| ..................................................aauugcacgguaCccaucug...... | 24 | 1 | GDM |

hsa-miR-363-5p

hsa-miR-363-3p

uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

| Sequence | | | |
|---|---|---|---|
| .....................................................aauugcacggAauccaucug...... | 3 | 1 | GDM |
| .....................................................aauugcacgguauccaucGg...... | 112 | 1 | GDM |
| .....................................................aauugcacgguauccaucCg...... | 14 | 1 | GDM |
| .....................................................Gauugcacgguauccaucug...... | 11 | 1 | GDM |
| .....................................................aauugcacgCuauccaucug...... | 4 | 1 | GDM |
| .....................................................aauugcacgguauccaucAgu..... | 12 | 1 | GDM |
| .....................................................aauugcacgguauccUucugu..... | 2 | 1 | GDM |
| .....................................................aauugcacgguauccaCcugu..... | 26 | 1 | GDM |
| ....................................................Uauugcacgguauccaucugu..... | 7 | 1 | GDM |
| .....................................................aauugcacgguauUcaucugu..... | 7 | 1 | GDM |
| .....................................................aauugcacUguauccaucugu..... | 2 | 1 | GDM |
| .....................................................aauugcacgguauccaucGgu..... | 3 | 1 | GDM |
| .....................................................aauugcacgAuauccaucugu..... | 4 | 1 | GDM |
| .....................................................aauugcacgguaucAaucugu..... | 7 | 1 | GDM |
| .....................................................aauugcacgguauccaucugG..... | 27 | 1 | GDM |
| .....................................................aauugcacgguaCccaucugu..... | 31 | 1 | GDM |
| .....................................................aauugcacgguaucUaucugu..... | 11 | 1 | GDM |
| .....................................................aauugcacgguauccaucugu..... | 5277 | 0 | GDM |
| .....................................................aauugcacgguaucUaucugu..... | 11 | 1 | GDM |
| .....................................................aauugcacgguaAccaucugu..... | 5 | 1 | GDM |
| .....................................................aauugcacgguauccauUugu..... | 8 | 1 | GDM |
| .....................................................aauugcacggAauccaucugu..... | 3 | 1 | GDM |
| .....................................................aaCugcacgguauccaucugu..... | 34 | 1 | GDM |
| .....................................................aauugcacgguauccaCcugu..... | 26 | 1 | GDM |
| .....................................................aauugcacgguauccaucAgu..... | 12 | 1 | GDM |
| .....................................................aauugcacgguauccaucCgu..... | 32 | 1 | GDM |
| .....................................................aauugcacgguauccaucugA..... | 166 | 1 | GDM |
| ....................................................Uauugcacgguauccaucugu..... | 7 | 1 | GDM |
| ....................................................aGuugcacgguauccaucugu..... | 28 | 1 | GDM |
| .....................................................aauugcacgCuauccaucugu..... | 1 | 1 | GDM |
| ....................................................aGuugcacgguauccaucugu..... | 28 | 1 | GDM |
| .....................................................aaAugcacgguauccaucugu..... | 4 | 1 | GDM |
| ....................................................aUuugcacgguauccaucugu..... | 2 | 1 | GDM |
| .....................................................aauugcacgguauAcaucugu..... | 3 | 1 | GDM |
| .....................................................aaCugcacgguauccaucugu..... | 34 | 1 | GDM |
| .....................................................aauugcacgguauAcaucugu..... | 3 | 1 | GDM |
| .....................................................aauugcacgguauccaucugC..... | 311 | 1 | GDM |
| .....................................................aauugcacUguauccaucugu..... | 2 | 1 | GDM |
| .....................................................aauugcacgguauccaCcugu..... | 26 | 1 | GDM |
| .....................................................aauugcacgguauUcaucugu..... | 7 | 1 | GDM |
| .....................................................aauugcGcgguauccaucugu..... | 37 | 1 | GDM |
| .....................................................aauugcacggCauccaucugu..... | 21 | 1 | GDM |
| .....................................................aauugcacgguauccaucAgu..... | 12 | 1 | GDM |
| .....................................................aauugcaAgguauccaucugu..... | 3 | 1 | GDM |
| .....................................................aauugcacgAuauccaucugu..... | 4 | 1 | GDM |
| .....................................................aauugcUcgguauccaucugu..... | 9 | 1 | GDM |
| .....................................................aauugcacgguauccaucCgu..... | 32 | 1 | GDM |
| .....................................................aauugcacgguauccauUugu..... | 8 | 1 | GDM |
| .....................................................aauugcacgguauccaucuUu..... | 1 | 1 | GDM |
| .....................................................aauugUacgguauccaucugu..... | 8 | 1 | GDM |
| .....................................................aauugcacgguauccaGcugu..... | 3 | 1 | GDM |
| .....................................................aauCgcacgguauccaucugu..... | 33 | 1 | GDM |
| .....................................................aauugcacgguauUcaucugu..... | 7 | 1 | GDM |
| .....................................................aauugcacgguauccaucuAu..... | 10 | 1 | GDM |
| .....................................................aauugcacCguauccaucugu..... | 1 | 1 | GDM |
| .....................................................aauugcacgAuauccaucugu..... | 4 | 1 | GDM |
| .....................................................Gauugcacgguauccaucugu..... | 23 | 1 | GDM |
| .....................................................aauugAacgguauccaucugu..... | 1 | 1 | GDM |
| .....................................................aauugcacgguauccaGcugu..... | 3 | 1 | GDM |
| .....................................................aauugcCcgguauccaucugu..... | 3 | 1 | GDM |
| .....................................................aauugcacgguaGccaucugu..... | 1 | 1 | GDM |
| .....................................................aauugcUcgguauccaucugu..... | 9 | 1 | GDM |
| .....................................................aauugcacgguauccaucugG..... | 27 | 1 | GDM |
| .....................................................aaCugcacgguauccaucugu..... | 34 | 1 | GDM |
| .....................................................aaAugcacgguauccaucugu..... | 4 | 1 | GDM |
| .....................................................aauugcacgguaucAaucugu..... | 7 | 1 | GDM |
| .....................................................aaGugcacgguauccaucugu..... | 2 | 1 | GDM |
| uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccauUugu..... | 8 | 1 | GDM |
| ....................................................Uauugcacgguauccaucugu..... | 7 | 1 | GDM |

uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

| | | | |
|---|---|---|---|
| ....................................................aauuAcacgguauccaucugu..... | 14 | 1 | GDM |
| ....................................................aauugcacgguaAccaucugu..... | 5 | 1 | GDM |
| ....................................................aauugcacgguauccaucuAu..... | 10 | 1 | GDM |
| ....................................................aauugcacggu Guccaucugu..... | 9 | 1 | GDM |
| ....................................................aauugcacgguauccaucugu..... | 5277 | 0 | GDM |
| ....................................................aauugcacggCauccaucugu..... | 21 | 1 | GDM |
| ....................................................aauugcacgguaCccaucugu..... | 31 | 1 | GDM |
| ....................................................aauuAcacgguauccaucugu..... | 14 | 1 | GDM |
| ..................................................aGuugcacgguauccaucugu..... | 28 | 1 | GDM |
| ....................................................aauugcCcgguauccaucugu..... | 3 | 1 | GDM |
| ....................................................aauugUacgguauccaucugu..... | 8 | 1 | GDM |
| ....................................................aauugcacgguGuccaucugu..... | 9 | 1 | GDM |
| ....................................................aauCgcacgguauccaucugu..... | 33 | 1 | GDM |
| ....................................................aauugcacgguauccaucugG..... | 27 | 1 | GDM |
| ....................................................aauugcaAgguauccaucugu..... | 3 | 1 | GDM |
| ....................................................Gauugcacgguauccaucugu..... | 23 | 1 | GDM |
| ....................................................aauAgcacgguauccaucugu..... | 6 | 1 | GDM |
| ....................................................aauuUcacgguauccaucugu..... | 2 | 1 | GDM |
| ....................................................Cauugcacgguauccaucugu..... | 3 | 1 | GDM |
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| ....................................................aauugcacgguauccaucGgu..... | 3 | 1 | GDM |
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| ....................................................aauugcacgguauccaucugA..... | 166 | 1 | GDM |
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| ....................................................aauugcacgguauccaucuAu..... | 10 | 1 | GDM |
| ....................................................aauugcacgguauccaucugC..... | 311 | 1 | GDM |
| ....................................................aauugcacggCauccaucugu..... | 21 | 1 | GDM |
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| ....................................................Cauugcacgguauccaucugu..... | 3 | 1 | GDM |
| ....................................................aauugcacgguauccaucCgu..... | 32 | 1 | GDM |
| ....................................................aauugcacgguaCccaucugu..... | 31 | 1 | GDM |
| ....................................................aauugcacgguauccUucugu..... | 2 | 1 | GDM |
| ....................................................Gauugcacgguauccaucugu..... | 23 | 1 | GDM |
| ....................................................aauugcGcgguauccaucugu..... | 37 | 1 | GDM |
| ..................................................aUuugcacgguauccaucugu..... | 2 | 1 | GDM |
| ....................................................aauugcacgguauccaucAgua.... | 60 | 1 | GDM |
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| ..................................................aGuugcacgguauccaucugua.... | 252 | 1 | GDM |
| ....................................................aauuAcacgguauccaucugua.... | 105 | 1 | GDM |
| ....................................................aauugcacgguauccaucuguC.... | 61 | 1 | GDM |
| ...................................................Uauugcacgguauccaucugua.... | 128 | 1 | GDM |
| ....................................................aauugcacgguauccaucugAa.... | 29 | 1 | GDM |
| ....................................................aauugcacgguauccaucugua.... | 56728 | 0 | GDM |
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| ....................................................aauugcacgguaucAaucugua.... | 22 | 1 | GDM |
| ....................................................aauugcacgguUuccaucugua.... | 28 | 1 | GDM |
| ....................................................aauugcacgguauccaucGgua.... | 19 | 1 | GDM |
| ....................................................aauAgcacgguauccaucugua.... | 91 | 1 | GDM |
| ....................................................aauuCcacgguauccaucugua.... | 13 | 1 | GDM |
| ....................................................aauugcaAgguauccaucugua.... | 21 | 1 | GDM |
| ....................................................aauugcacgguauccaGcugua.... | 18 | 1 | GDM |
| ....................................................aauugcacgguUuccaucugua.... | 28 | 1 | GDM |
| ....................................................aauugcGcgguauccaucugua.... | 328 | 1 | GDM |
| ....................................................aauugcacgCuauccaucugua.... | 11 | 1 | GDM |
| ....................................................aauugcacgAuauccaucugua.... | 91 | 1 | GDM |
| ....................................................aauugAacgguauccaucugua.... | 26 | 1 | GDM |
| uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaGuugcacgguauccaucugua.... | 252 | 1 | GDM |
| ....................................................aauugcacgguauccauUugua.... | 44 | 1 | GDM |

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.........................................................aauugcacgguauccaucuUua....      8      1    GDM
.........................................................aauugcacgguauUcaucugua....     96      1    GDM
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.........................................................aauugcacgguauccUucugua....     37      1    GDM
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.........................................................aauugcGcgguauccaucugua....    328      1    GDM
.........................................................Uauugcacgguauccaucugua....    128      1    GDM
.........................................................aauugcacgguaCccaucugua....    317      1    GDM
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.........................................................aCuugcacgguauccaucugua....     10      1    GDM
.........................................................aauugcacgguGuccaucugua....    167      1    GDM
.........................................................aGuugcacgguauccaucugua....    252      1    GDM
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.........................................................aauugcacggGauccaucugua....      6      1    GDM
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hsa-miR-363-5p

hsa-miR-363-3p

uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

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| ................................................aauugcacgguauAcaucugua.... | 23 | 1 | GDM |
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| ................................................aauugcacgguauccaAcugua.... | 44 | 1 | GDM |
| ................................................aauugcacgguauccaucuCua.... | 5 | 1 | GDM |
| ................................................aauugcacggAauccaucugua.... | 58 | 1 | GDM |
| ................................................aauugcacgguauccCucugua.... | 8 | 1 | GDM |
| ................................................aauugcacgguauccauAugua.... | 9 | 1 | GDM |
| ...............................................Cauugcacgguauccaucugua.... | 47 | 1 | GDM |
| ................................................aauugcacggCauccaucugua.... | 220 | 1 | GDM |
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| ................................................aauugcacggCauccaucugua.... | 220 | 1 | GDM |
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| ................................................aauugGacgguaucaucugua.... | 9 | 1 | GDM |
| ................................................aauugcacgguauccauUugua.... | 44 | 1 | GDM |
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| ................................................aauugcacgguauccaucCgua.... | 273 | 1 | GDM |
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| uguugucggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauAgcacgguauccaucugua.... | 91 | 1 | GDM |
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uguugucgggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

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.........................................................aauugcacgguGuccaucuguaa...     1    1    GDM
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uguugucgggguggaucacgaugcaauuuugaugaguaucauaggagaaaaauugcacgguauccaucuguaaacc

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..................................................aauugcacgguauccaucuguGa...    3     1    GDM
..................................................aauugcacgguauccaucuguaGa..    127   1    GDM
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..................................................auugcacgguauccaucCg......    1     1    GDM
..................................................Guugcacgguauccaucug......    1     1    GDM
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..................................................auugcacggGauccaucug......    1     1    GDM
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..................................................auugcacgguaCccaucugu.....    4     1    GDM
..................................................auugcacgguauccaucugG.....    7     1    GDM
..................................................auugcacgguauccaucugC.....    39    1    GDM
..................................................auugcacgguauccaCcugu.....    5     1    GDM
..................................................auugcacgguauccaucugA.....    18    1    GDM
..................................................auugcacgguauccaucugA.....    18    1    GDM
..................................................auugcGcgguauccaucugu.....    9     1    GDM
..................................................auugcacgguauccaucugu.....    526   0    GDM
..................................................auuAcacgguauccaucugu.....    2     1    GDM
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..................................................auugcacgguauccaucugu.....    526   0    GDM
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..................................................auugcacgguauccaucugC.....    39    1    GDM
..................................................auugcacgguaCccaucugu.....    4     1    GDM
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..................................................auugcacgAuauccaucugu.....    1     1    GDM
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..................................................auCgcacgguauccaucugu.....    2     1    GDM
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uguugu<span style="color:red">cgggguggaucacgaugcaauuu</span>ugaugaguaucauaggagaaa<span style="color:red">aauugcacgguauccaucuguaa</span>acc

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..........................................................aAugcacgguauccaucugu.....     2      1    GDM
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..........................................................auugcacgguaccCucugua....      1      1    GDM
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..........................................................auugcacgAuauccaucugua....     5      1    GDM
..........................................................auugcacgguauccaucuguC....    10      1    GDM
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