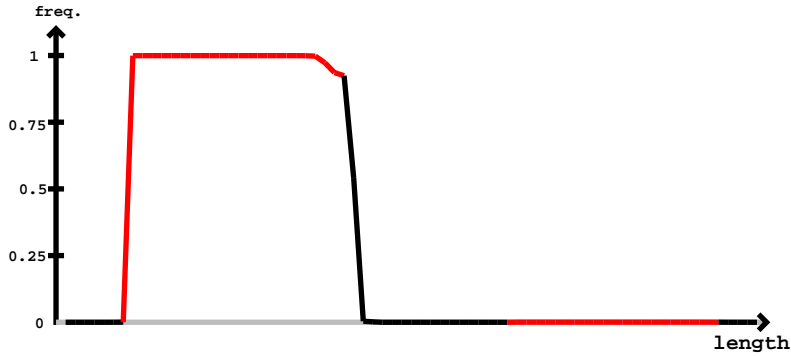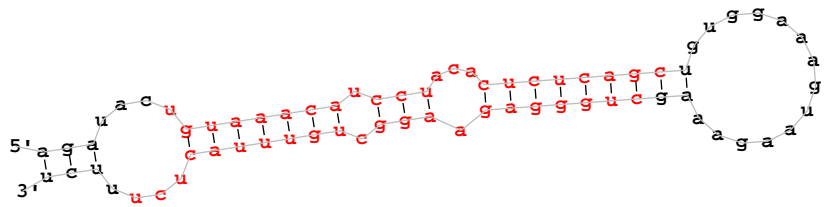miRBase precursor : hsa-mir-30c-2
Total read count : 47439
hsa-miR-30c-5p read count : 47414
hsa-miR-30c-2-3p read count25
remaining reads : 0

hsa-miR-30c-5p

hsa-miR-30c-2-3p

```
5'- agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu  -3'   exp
     (((....(((((((.(((...((((((((((..............))))))))).))).)))))))....)))   reads      mm         sample
     .....uguaaacauccuacacuc.............................................        2          0          Z3_
     ......Cguaaacauccuacacucuc..........................................        1          1          Z3_
     .....uguaaacauccuacacucuA...........................................        2          1          Z3_
     ......Aguaaacauccuacacucuc..........................................        1          1          Z3_
     ......uguaaacauccuGcacucuc..........................................        1          1          Z3_
     ......uguaaacauccuacacucuc..........................................        67         0          Z3_
     ......uguaaacauccuacacucuU..........................................        20         1          Z3_
     ......ugCaaacauccuacacucuca.........................................        1          1          Z3_
     .....uguaaacauccuacacucucU..........................................        4          1          Z3_
     .....uguaaacauccuacacucucC..........................................        1          1          Z3_
     ......Cguaaacauccuacacucuca.........................................        2          1          Z3_
     .....uguaaacauUcuacacucuca..........................................        1          1          Z3_
     .....uguaaGcauccuacacucuca..........................................        3          1          Z3_
     .....uguaaacaCccuacacucuca..........................................        2          1          Z3_
     ......Gguaaacauccuacacucuca.........................................        1          1          Z3_
     .....uguaaacauAcuacacucuca..........................................        1          1          Z3_
     ......uguaaacauccuacacucuca.........................................        158        0          Z3_
     .....uguaaacauccuacacCcuca..........................................        1          1          Z3_
     .....uguaaacGuccuacacucuca..........................................        1          1          Z3_
     .....uguaaacauccuacacCcucag.........................................        2          1          Z3_
     .....uguaaacauccuacacucucaA.........................................        3          1          Z3_
     .....uguaaacaCccuacacucucag.........................................        1          1          Z3_
     .....uguaaUcauccuacacucucag.........................................        1          1          Z3_
     .....uguaaacGuccuacacucucag.........................................        1          1          Z3_
     .....uguaGacauccuacacucucag.........................................        1          1          Z3_
     .....uguaaacauccuacacucucag.........................................        60         0          Z3_
     ......Aguaaacauccuacacucucag........................................        1          1          Z3_
     .....uguGaacauccuacacucucagc........................................        1          1          Z3_
     .....Cguaaacauccuacacucucagc........................................        10         1          Z3_
     .....uguaaacauUcuacacucucagc........................................        4          1          Z3_
     .....uguaaacauccuacacAcucagc........................................        2          1          Z3_
     .....ugCaaacauccuacacucucagc........................................        6          1          Z3_
     .....uguaaacauccuacacucucagc........................................        1272       0          Z3_
     .....uguaaacaCccuacacucucagc........................................        6          1          Z3_
```

```
agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

     .....uguaaacauccuacacucucagU.........................................    288     1     Z3_
     .....uguaaCcauccuacacucucagc.........................................      6     1     Z3_
     .....uguaaaUauccuacacucucagc.........................................      2     1     Z3_
     .....uguaaacauccuacacucCcagc.........................................      3     1     Z3_
     .....uguaaacauccAacacucucagc.........................................      1     1     Z3_
     .....uguaaacauccuacGcucucagc.........................................      1     1     Z3_
     .....uguaaacauccCacacucucagc.........................................      5     1     Z3_
     .....uguaaacauccuacucAcagc...........................................      2     1     Z3_
     .....uAuaaacauccuacacucucagc.........................................      2     1     Z3_
     .....uguCaacauccuacacucucagc.........................................      1     1     Z3_
     .....uguaaacauccuacacucucaAc.........................................      3     1     Z3_
     .....uguaaGcauccuacacucucagc.........................................      6     1     Z3_
     .....uguaaacGuccuacacucucagc.........................................      2     1     Z3_
     .....uguaaacauccuacacCcucagc.........................................      7     1     Z3_
     .....uguaaacauccGacacucucagc.........................................      1     1     Z3_
     .....uguaaacauccuacacucucGgc.........................................      7     1     Z3_
     .....uguaaacauccuacacucucagA.........................................     88     1     Z3_
     .....uguaaacaAccuacacucucagc.........................................      2     1     Z3_
     .....uguaaacauccuacaUucucagc.........................................      2     1     Z3_
     .....Gguaaacauccuacacucucagc.........................................      1     1     Z3_
     .....uguaaacauccuaUacucucagc.........................................      1     1     Z3_
     .....ugGaaacauccuacacucucagc.........................................      1     1     Z3_
     .....uguaaacauccuacacucucagG.........................................      9     1     Z3_
     .....uguaaacauccuacacucucaUc.........................................      1     1     Z3_
     .....uguaaacauccuUcacucucagc.........................................      1     1     Z3_
     .....uguaaacauccuGcacucucagc.........................................      2     1     Z3_
     .....Aguaaacauccuacacucucagc.........................................      1     1     Z3_
     .....uguaGacauccuacacucucagc.........................................      6     1     Z3_
     .....uguaaacauccuacacucuUagc.........................................      3     1     Z3_
     .....uguaaacaucUuacacucucagc.........................................      1     1     Z3_
     .....ugGaaacauccuacacucucagcu........................................      1     1     Z3_
     .....uguaaacaucUuacacucucagcu........................................      4     1     Z3_
     .....uguaaacauccuaUacucucagcu........................................      5     1     Z3_
     .....uguaaacauccuacacucucCgcu........................................      2     1     Z3_
     .....uguaaacauccuacacucucagcA........................................    197     1     Z3_
     .....uguaaacauccuaAacucucagcu........................................      2     1     Z3_
     .....ugCaaacauccuacacucucagcu........................................      6     1     Z3_
     .....uguUaacauccuacacucucagcu........................................      2     1     Z3_
     .....uguaaacauccuacacuUucagcu........................................      3     1     Z3_
     .....uguaaacauccuacCcucucagcu........................................      1     1     Z3_
     .....uCuaaacauccuacacucucagcu........................................      1     1     Z3_
     .....uguaaacauccAacacucucagcu........................................      2     1     Z3_
     .....uguaaGcauccuacacucucagcu........................................     20     1     Z3_
     .....uguaaacauccuacacucucagcC........................................    292     1     Z3_
     .....uguaaacauccuacacAcucagcu........................................      2     1     Z3_
     .....uguaaacauccuacacCcucagcu........................................     14     1     Z3_
     .....uguaaacauccCacacucucagcu........................................      9     1     Z3_
     .....uguaaacauUcuacacucucagcu........................................     12     1     Z3_
     .....uguaaCcauccuacacucucagcu........................................      5     1     Z3_
     .....Gguaaacauccuacacucucagcu........................................      1     1     Z3_
     .....uguaaacauccuacacucucagcu........................................   2585     0     Z3_
     .....uguaaacauccuacacucAcagcu........................................      2     1     Z3_
     .....uguaaacauAcuacacucucagcu........................................      2     1     Z3_
     .....uguaUacauccuacacucucagcu........................................      2     1     Z3_
     .....uguaaaUauccuacacucucagcu........................................      4     1     Z3_
     .....uguaaacauccuacacucuUagcu........................................      3     1     Z3_
     .....uguaGacauccuacacucucagcu........................................      9     1     Z3_
     .....uAuaaacauccuacacucucagcu........................................      4     1     Z3_
     .....uguaaacauccuacacucucagUu........................................      7     1     Z3_
     .....uguaaacauccuGcacucucagcu........................................      6     1     Z3_
     .....uguaaacauccuacacucucaAcu........................................      3     1     Z3_
     .....uguaaacauccuacUcucucagcu........................................      4     1     Z3_
     .....uguaaacauccuacacucucGgcu........................................      9     1     Z3_
     .....uguaaacaCccuacacucucagcu........................................      7     1     Z3_
     .....uguCaacauccuacacucucagcu........................................      1     1     Z3_
     .....uguaaacaAccuacacucucagcu........................................      5     1     Z3_
     .....uguaaacauccuacacucuAagcu........................................      1     1     Z3_
     .....uguaaacGuccuacacucucagcu.........................uggggagaaggcuguuuacucuuucu      8     1     Z3_
     .....uguaaacauccuacacucCcagcu........................................     17     1     Z3_
```

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

```
......Cguaaacauccuacacucucagcu...........................................    12    1    Z3_
......uguaaacauccuUcacucucagcu...........................................     1    1    Z3_
......ugAaaacauccuacacucucagcu...........................................     3    1    Z3_
......Aguaaacauccuacacucucagcu...........................................     3    1    Z3_
......uguaaacauccuacaAucucagcu...........................................     1    1    Z3_
......uguaaacauccuacGcucucagcu...........................................    14    1    Z3_
......uguaaacauccuacacucucagcG...........................................    23    1    Z3_
......uguaaacaucAuacacucucagcu...........................................     1    1    Z3_
......uguGaacauccuacacucucagcu...........................................     6    1    Z3_
......uguaaacauccuacaUucucagcu...........................................     6    1    Z3_
......uguaCacauccuacacucucagcu...........................................     1    1    Z3_
......uguaaacauccuacacucucagcug..........................................     1    0    Z3_
......uguaaacauccuacacucucagcuA..........................................     8    1    Z3_
......uguaaacauccuacacucucagcuC..........................................     1    1    Z3_
......uguaaacauccuacacucucagcuU..........................................    15    1    Z3_
......uguaaacauccuacacucucagcugu.........................................     4    0    Z3_
......uguaaacauccuacacucucagcuUu.........................................     6    1    Z3_
......uguaaacauccuacacucucagcugC.........................................     2    1    Z3_
.........aaacauccuacacucucagcu...........................................     1    0    Z3_
..........................................cugggagaaggcuguuuacu......         1    0    Z3_
..........................................cugggagaaggcuguuuacucu....         1    0    Z3_


....aAuguaaacauccuacacucucagcu...........................................     2    1    Z2_
.....cuguaaacauccuacacucucagc............................................     1    0    Z2_
.....cuguaaacauccuacacucucagcu...........................................     3    0    Z2_
.....cuguaaacauccuacacucucagcC...........................................     1    1    Z2_
......uguaaacauccuacacuc.................................................     2    0    Z2_
......uguaaacauccuacacucC................................................     1    1    Z2_
......uguaaacauccuacacucu................................................    22    0    Z2_
......uguaaacauccuacacucuA...............................................     4    1    Z2_
......uguaaacauccuacacucCc...............................................     3    1    Z2_
......uguaaacauUcuacacucuc...............................................     2    1    Z2_
......uguaaacauccuUcacucuc...............................................     3    1    Z2_
......uguaaacauccCacacucuc...............................................     1    1    Z2_
......uguaaacauccuaUacucuc...............................................     3    1    Z2_
......uguaaacauccuacacCcuc...............................................     1    1    Z2_
......uguaUacauccuacacucuc...............................................     1    1    Z2_
......uguaaacauccuacacucuU...............................................    16    1    Z2_
......uguaaacauccuGcacucuc...............................................     3    1    Z2_
......uguaaacaucUuacacucuc...............................................     1    1    Z2_
......uguaaacauccuacacucuc...............................................   206    0    Z2_
......Cguaaacauccuacacucuc...............................................     1    1    Z2_
......ugCaaacauccuacacucuc...............................................     3    1    Z2_
......uguGaacauccuacacucuca..............................................     1    1    Z2_
......uguaaacGuccuacacucuca..............................................     1    1    Z2_
......uguaaacauccuacacCcuca..............................................     5    1    Z2_
......uguaGacauccuacacucuca..............................................     1    1    Z2_
......Aguaaacauccuacacucuca..............................................     2    1    Z2_
......uguaaacauccuUcacucuca..............................................     1    1    Z2_
......uguaaacauUcuacacucuca..............................................     7    1    Z2_
......uguaaacauccuCcacucuca..............................................     1    1    Z2_
......uguaaacauccuacacucucU..............................................     2    1    Z2_
......uguaaacauccuacacucCca..............................................     2    1    Z2_
......Cguaaacauccuacacucuca..............................................     4    1    Z2_
......uguaaacauccAacacucuca..............................................     2    1    Z2_
......ugCaaacauccuacacucuca..............................................     2    1    Z2_
......uguaaGcauccuacacucuca..............................................     4    1    Z2_
......uguaaacauccuacacucuUa..............................................     1    1    Z2_
......uguaaacauccuacacucuca..............................................   371    0    Z2_
......uguaaacauccuacaUucuca..............................................     2    1    Z2_
......uguaaacauccuacacuUuca..............................................     4    1    Z2_
......uguaaaUauccuacacucuca..............................................     1    1    Z2_
......Gguaaacauccuacacucuca..............................................     1    1    Z2_
......uguaaacauccuacacucucG..............................................     5    1    Z2_
......uguaaacauccuacacucAca..............................................     1    1    Z2_
......uguaaacauccuacaGucuca..............................................     1    1    Z2_
......uguaaacaucUuacacucuca..............................................     1    1    Z2_
......uguaaacGuccuacacucucag.........................................         3    1    Z2_
......uguaaacauccuaAacucucag.........................................         1    1    Z2_
```

hsa-miR-30c-5p

hsa-miR-30c-2-3p

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcguuuuacucuuucu

```
......uguaaacauccuGcacucucag.............................................     1      1     Z2_
......uguaaacauccuacacucucGg.............................................     2      1     Z2_
......uguaaacauccuacacucucag.............................................   118      0     Z2_
......uguaaacauccCacacucucag.............................................     1      1     Z2_
......uguaaacauccuUcacucucag.............................................     1      1     Z2_
......uguaaacauccuacacucucaA.............................................     5      1     Z2_
......uguaaGcauccuacacucucag.............................................     2      1     Z2_
......Cguaaacauccuacacucucag.............................................     2      1     Z2_
......uguaaacauccuacacucucagG............................................     1      1     Z2_
......Aguaaacauccuacacucucagc............................................    11      1     Z2_
......uguGaacauccuacacucucagc............................................    16      1     Z2_
......uguaaacauccuCcacucucagc............................................     1      1     Z2_
......uguaaacauccuacacucucGgc............................................    19      1     Z2_
......uguaaacauccAacacucucagc............................................     4      1     Z2_
......uguaaacCuccuacacucucagc............................................     1      1     Z2_
......uguaaacUuccuacacucucagc............................................     1      1     Z2_
......ugCaaacauccuacacucucagc............................................     9      1     Z2_
......uguaaacauccuacacCcucagc............................................    18      1     Z2_
......uguaaacauccuacacucCcagc............................................    21      1     Z2_
......uguaaacauccuacacAcucagc............................................     4      1     Z2_
......Gguaaacauccuacacucucagc............................................     3      1     Z2_
......uguaaacauccuacacucucaAc............................................     4      1     Z2_
......uCuaaacauccuacacucucagc............................................     1      1     Z2_
......uguaaCcauccuacacucucagc............................................     8      1     Z2_
......uguaaacaucAuacacucucagc............................................     3      1     Z2_
......uguaaacauccuacaAucucagc............................................     2      1     Z2_
......uguaaacauAcuacacucucagc............................................     3      1     Z2_
......uguaaUcauccuacacucucagc............................................     2      1     Z2_
......uguaaacauccCacacucucagc............................................    10      1     Z2_
......uguaaacauccuacacucucagU............................................   501      1     Z2_
......uguaaacauccuacacucucUgc............................................     1      1     Z2_
......uguaGacauccuacacucucagc............................................    12      1     Z2_
......uguaaacauccuacacucucCgc............................................     1      1     Z2_
......uguaaacauccuacGcucucagc............................................    21      1     Z2_
......uguaaacauccuacacucAcagc............................................     9      1     Z2_
......uguaaacauccuaUacucucagc............................................     7      1     Z2_
......uguaaacaCccuacacucucagc............................................    25      1     Z2_
......uguaaacaucUuacacucucagc............................................     8      1     Z2_
......uguaCacauccuacacucucagc............................................     1      1     Z2_
......uguaaacauUcuacacucucagc............................................    13      1     Z2_
......uguaaGcauccuacacucucagc............................................    24      1     Z2_
......uguaUacauccuacacucucagc............................................     6      1     Z2_
......Cguaaacauccuacacucucagc............................................    19      1     Z2_
......uguaaacauGcuacacucucagc............................................     1      1     Z2_
......uguaaacauccuacacuGucagc............................................     1      1     Z2_
......uguaaacauccuGcacucucagc............................................    11      1     Z2_
......uguaaacauccuacacuUucagc............................................     3      1     Z2_
......uguaaacauccuUcacucucagc............................................     2      1     Z2_
......uguaaacauccuacacucucagA............................................   153      1     Z2_
......uAuaaacauccuacacucucagc............................................     8      1     Z2_
......uguaaacauccuacaUucucagc............................................     7      1     Z2_
......uguaaacauccuacacucucagc............................................  3480      0     Z2_
......uguaaaAauccuacacucucagc............................................     2      1     Z2_
......uguUaacauccuacacucucagc............................................     1      1     Z2_
......uguaaacGuccuacacucucagc............................................    19      1     Z2_
......uguaaacauccuacacucuUagc............................................    12      1     Z2_
......uguaaacaAccuacacucucagc............................................     6      1     Z2_
......uguaaacauccuacacucucaUc............................................     1      1     Z2_
......ugAaaacauccuacacucucagc............................................     1      1     Z2_
......uguaaacauccuacUcucucagc............................................     6      1     Z2_
......uguaaUcauccuacacucucagcu...........................................     4      1     Z2_
......uguaaacauccuacacucGcagcu...........................................     2      1     Z2_
......uguaaacauUcuacacucucagcu...........................................    58      1     Z2_
......uguaaCcauccuacacucucagcu...........................................    19      1     Z2_
......uguaaacauccuacCcucucagcu...........................................     2      1     Z2_
......uAuaaacauccuacacucucagcu...........................................     7      1     Z2_
......uguaaacauccuacacCcucagcu...........................................    33      1     Z2_
......uguaaacaCccuacacucucagcu...........................................    30      1     Z2_
......uguaaacauccuacacucucaUcu...........................................     1      1     Z2_
```

hsa-miR-30c-5p

hsa-miR-30c-2-3p

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

Sequence	Count	MM	Sample
......Cguaaacauccuacacucucagcu...	48	1	Z2_
.....uguaaacauccuacacucucagcC...	488	1	Z2_
.....uguaaacauccuacacucuUagcu...	4	1	Z2_
.....uguUaacauccuacacucucagcu...	1	1	Z2_
.....uguaaacauccuacacucucagcu...	5663	0	Z2_
.....uguaaacauccuacacAcucagcu...	6	1	Z2_
.....uguaaacauccuUcacucucagcu...	5	1	Z2_
.....ugGaaacauccuacacucucagcu...	1	1	Z2_
.....uguaaacCuccuacacucucagcu...	1	1	Z2_
.....uguaaacauccuacacucCcagcu...	37	1	Z2_
.....uguaaacaAccuacacucucagcu...	5	1	Z2_
.....uguaaacaGccuacacucucagcu...	2	1	Z2_
.....uguaaacauccuacacucaAcu...	11	1	Z2_
.....uguaaaAauccuacacucucagcu...	2	1	Z2_
.....uguaaacauccuacacucUgcu...	2	1	Z2_
.....uguaaacauccuacacucGgcu...	34	1	Z2_
.....uguaGacauccuacacucucagcu...	29	1	Z2_
.....uguaaacGuccuacacucucagcu...	13	1	Z2_
.....uguaaGcauccuacacucucagcu...	20	1	Z2_
.....uguaaacauccuacaAucucagcu...	1	1	Z2_
.....uguCaacauccuacacucucagcu...	2	1	Z2_
.....uguaaacaucAuacacucucagcu...	2	1	Z2_
.....uguaaacauccuacacGcucagcu...	1	1	Z2_
.....uguaaacauccAacacucucagcu...	11	1	Z2_
.....uUuaaacauccuacacucucagcu...	2	1	Z2_
.....uguaaacauccuacaUucucagcu...	7	1	Z2_
.....uguaaacauccuacacuUucagcu...	5	1	Z2_
.....uguaaacauccuaUacucucagcu...	11	1	Z2_
.....uguaaacaucUuacacucucagcu...	10	1	Z2_
.....uguaaacauccuacacucucCgcu...	1	1	Z2_
.....uguaaacauccuacacucucagcA...	325	1	Z2_
.....uguaaacauccuacacucuAagcu...	1	1	Z2_
.....Aguaaacauccuacacucucagcu...	12	1	Z2_
.....uguaaacauccuacacucucagcG...	51	1	Z2_
.....uguaaaUauccuacacucucagcu...	8	1	Z2_
.....Gguaaacauccuacacucucagcu...	2	1	Z2_
.....uguaaacauccGacacucucagcu...	1	1	Z2_
.....uguaaacauccuacacuAucagcu...	2	1	Z2_
.....uguaCacauccuacacucucagcu...	2	1	Z2_
.....uguaaacauccuCcacucucagcu...	3	1	Z2_
.....uguaaacauccCacacucucagcu...	32	1	Z2_
.....uguGaacauccuacacucucagcu...	23	1	Z2_
.....uguaaacauccuacacucAcagcu...	7	1	Z2_
.....uguaaacauccuacGcucagcu...	20	1	Z2_
.....uguaaacauccuacacucucagUu...	10	1	Z2_
.....ugCaaacauccuacacucucagcu...	11	1	Z2_
.....uguaUacauccuacacucucagcu...	7	1	Z2_
.....uCuaaacauccuacacucucagcu...	1	1	Z2_
.....uguaaacauccuaAacucagcu...	1	1	Z2_
.....uguaaacauccuGcacucucagcu...	14	1	Z2_
.....uguaaacauccuacacucucagcuU..	8	1	Z2_
.....uguaaacauccuacacucucagcug..	3	0	Z2_
.....uguaaacauccuacacucucagcuA..	9	1	Z2_
.....uguaaacauccuacacucucagUugu..	1	1	Z2_
.....uguaaacauccuacacucucagcuUu...	2	1	Z2_
.....uguaaacauccuacacucucagcugu...	7	0	Z2_
......guaaacauccuacacucucagA..	1	1	Z2_
......guaaacauccuacacucucagc..	2	0	Z2_
....cugggagaaggcguuuacu......	1	0	Z2_
....cugggagaaggcguuuacucu....	1	0	Z2_
....cugggagaaggcguuuacucuu...	1	0	Z2_
.....cuguaaacauccuacacucucagc...	2	0	GDM
.....cuguaaacauccuacacucucagcu..	1	0	GDM
.....uguaaacauccuacacuU..	2	1	GDM
.....uguaaacauccuacacuc..	6	0	GDM
.....uguaaacauccuacacuc..	6	0	GDM
.....uguaaacauccuacacuU..	2	1	GDM
.....uguaaacauccuacacCcu...	2	1	GDM

hsa-miR-30c-5p

hsa-miR-30c-2-3p

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

```
......uguaaacauccuacacucu...............................................    34    0    GDM
......uguaaacaCccuacacucu...............................................     1    1    GDM
......uguaaacauccuaUacucu...............................................     2    1    GDM
......uguaaacauccuacacucC...............................................     5    1    GDM
......uguaaacauccuacacucC...............................................     5    1    GDM
......uguaaacauccuacacucu...............................................    34    0    GDM
......uguaaCcauccuacacucu...............................................     1    1    GDM
......uguaaacauccuacacucC...............................................     5    1    GDM
......uguaaacauccuacacucu...............................................    34    0    GDM
......uguaaacauccuacacucuA..............................................    14    1    GDM
......uguaaacauccuGcacucuc..............................................     1    1    GDM
......uguaaacauccuaUacucuc..............................................     3    1    GDM
......Aguaaacauccuacacucuc..............................................     2    1    GDM
......uguaaacauccuacacucuU..............................................    53    1    GDM
......uguaaacaAccuacacucuc..............................................     1    1    GDM
......uguaaacCuccuacacucuc..............................................     1    1    GDM
......uguaaacauUcuacacucuc..............................................     4    1    GDM
......uguaaacauccuacacucuc..............................................   435    0    GDM
......uguaGacauccuacacucuc..............................................     3    1    GDM
......uguaaacauccuacacucuU..............................................    53    1    GDM
......uguaaacauccuacacucAc..............................................     1    1    GDM
......uguaaacaucGuacacucuc..............................................     1    1    GDM
......ugCaaacauccuacacucuc..............................................     5    1    GDM
......uguaaCcauccuacacucuc..............................................     1    1    GDM
......uguaaacauccuacacucCc..............................................     3    1    GDM
......uguaUacauccuacacucuc..............................................     1    1    GDM
......uguaaacauccuacacuUuc..............................................     2    1    GDM
......uguaaacauccuacacAcuc..............................................     3    1    GDM
......uguaaacauccCacacucuc..............................................     6    1    GDM
......uguaaacauccuacacucCc..............................................     3    1    GDM
......uguaaacauccuacaUucuc..............................................     2    1    GDM
......uguaaacauccuacGcucuc..............................................     1    1    GDM
......uguaaacaCccuacacucuc..............................................     1    1    GDM
......uguGaacauccuacacucuc..............................................     2    1    GDM
......Aguaaacauccuacacucuc..............................................     2    1    GDM
......ugCaaacauccuacacucuc..............................................     5    1    GDM
......uguaaacauccuacacucuA..............................................    14    1    GDM
......uguaaacauccuacacucuc..............................................   435    0    GDM
......uguaaacauccuUcacucuc..............................................     1    1    GDM
......uguaaacauccuacUcucuc..............................................     1    1    GDM
......uguaaacauccCacacucuc..............................................     6    1    GDM
......Cguaaacauccuacacucuc..............................................     7    1    GDM
......uguaaacauccuaUacucuc..............................................     3    1    GDM
......uguaaacauccuacacucuA..............................................    14    1    GDM
......uguaaacauccuacacuAuc..............................................     1    1    GDM
......Cguaaacauccuacacucuc..............................................     7    1    GDM
......uguaaacauccuacacucuc..............................................   435    0    GDM
......uguaGacauccuacacucuc..............................................     3    1    GDM
......uguaaacUuccuacacucuc..............................................     1    1    GDM
......uguaaacauccCacacucuc..............................................     6    1    GDM
......uguaaacauccuacacucuU..............................................    53    1    GDM
......ugCaaacauccuacacucuc..............................................     5    1    GDM
......uguaGacauccuacacucuc..............................................     3    1    GDM
......uguaaacauccuacGcucuca.............................................     7    1    GDM
......uguaUacauccuacacucuca.............................................     3    1    GDM
......uguaaacauUcuacacucuca.............................................    12    1    GDM
......Cguaaacauccuacacucuca.............................................     6    1    GDM
......uguGaacauccuacacucuca.............................................     1    1    GDM
......uguaaCcauccuacacucuca.............................................     3    1    GDM
......uguaaacaCccuacacucuca.............................................     4    1    GDM
......uguaaacauccAacacucuca.............................................     1    1    GDM
......uguaaacauccCacacucuca.............................................     3    1    GDM
......ugCaaacauccuacacucuca.............................................     3    1    GDM
......uguaaGcauccuacacucuca.............................................     5    1    GDM
......uguaGacauccuacacucuca.............................................     5    1    GDM
......uguaaacauccuacacucucC.............................................     3    1    GDM
......uguaaacauccuacacucucC.............................................     3    1    GDM
......uguaaacauUcuacacucuca  uguggaaaguaagaaag  cugggagaaggcuguuuacucu  uucu    12    1    GDM
......uguaaacauccuaUacucuca.............................................     2    1    GDM
```

Note: at the row with count 12 (second occurrence), the label **hsa-miR-30c-2-3p** appears above the continuation sequence.

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

```
.....uguaaacauccuacacucuca.............................................    793    0    GDM
.....uguaaacauccuacGcucuca.............................................      7    1    GDM
.....uguaaacauccuacacucuca.............................................    793    0    GDM
.....uguaGacauccuacacucuca.............................................      5    1    GDM
.....uguaaacauccuacacucucG.............................................      8    1    GDM
.....uguaaacauccuacacucucU.............................................      5    1    GDM
.....uguaaacauccuacGcucuca.............................................      7    1    GDM
.....uguaaacauccuacaAucuca.............................................      1    1    GDM
.....Aguaaacauccuacacucuca.............................................      1    1    GDM
.....uguaaacauAcuacacucuca.............................................      1    1    GDM
.....uguaaacauccuacacucucU.............................................      5    1    GDM
.....uguaaacGuccuacacucuca.............................................      3    1    GDM
.....uguaaaUauccuacacucuca.............................................      1    1    GDM
.....uguaaacauccuacacucuca.............................................    793    0    GDM
.....uguaaacauccuacacucucC.............................................      3    1    GDM
.....uguaaacauccCacacucuca.............................................      3    1    GDM
.....ugCaaacauccuacacucuca.............................................      3    1    GDM
.....uguaaacaucUuacacucuca.............................................      3    1    GDM
.....uguaaacauUcuacacucuca.............................................     12    1    GDM
.....uguaaacaCcuacacucuca..............................................      4    1    GDM
.....uguaaacauccuacacCcuca.............................................      5    1    GDM
.....Cguaaacauccuacacucuca.............................................      6    1    GDM
.....uguaaacauccuacacucucU.............................................      5    1    GDM
.....Gguaaacauccuacacucuca.............................................      1    1    GDM
.....uguaUacauccuacacucuca.............................................      3    1    GDM
.....uguaaacauccuacacucCca.............................................      1    1    GDM
.....uguaaacaucUuacacucuca.............................................      3    1    GDM
.....uguaaacauccuGcacucuca.............................................      2    1    GDM
.....uguaaacaCcuacacucuca..............................................      4    1    GDM
.....uguaaacauccuacacCcuca.............................................      5    1    GDM
.....uguaaGcauccuacacucuca.............................................      5    1    GDM
.....uguaaacauccuacacucucG.............................................      8    1    GDM
.....uguaaacauccAacacucucag............................................      1    1    GDM
.....uguaaacauccuacacucucaA............................................     12    1    GDM
.....Cguaaacauccuacacucucag............................................      4    1    GDM
.....uguaaacGuccuacacucucag............................................      1    1    GDM
.....uguaaacauUcuacacucucag............................................      2    1    GDM
.....uguaaGcauccuacacucucag............................................      1    1    GDM
.....ugCaaacauccuacacucucag............................................      1    1    GDM
.....uguaaacauccuacacucuGag............................................      1    1    GDM
.....uguaaacauccuacacucucag............................................    194    0    GDM
.....uguaUacauccuacacucucag............................................      1    1    GDM
.....uguaaacauccuacacucCcag............................................      1    1    GDM
.....uguaaacaucGuacacucucag............................................      1    1    GDM
.....uguaGacauccuacacucucag............................................      1    1    GDM
.....uguaaacaCcuacacucucag.............................................      2    1    GDM
.....uguaaacauccuacacucucag............................................    194    0    GDM
.....uguaaacauccuacacucucaA............................................     12    1    GDM
.....uguaaacauccuacacucucag............................................    194    0    GDM
.....uguaaacauccuacacucucCg............................................      3    1    GDM
.....uguaaacauccuacacucucGg............................................      1    1    GDM
.....uguaaacauUcuacacucucag............................................      2    1    GDM
.....uguaaacauccuacacucucaA............................................     12    1    GDM
.....uAuaaacauccuacacucucagc...........................................     14    1    GDM
.....uguaaaAauccuacacucucagc...........................................      4    1    GDM
.....uguaaacauccuacUcucucagc...........................................      5    1    GDM
.....uguaUacauccuacacucucagc...........................................      5    1    GDM
.....uguaaacaucUuacacucucagc...........................................      4    1    GDM
.....uguaaacauccuacacucucUgc...........................................      9    1    GDM
.....uguaaacauccuacacucucagA...........................................    227    1    GDM
.....uguaaacauccuacUcucucagc...........................................      5    1    GDM
.....uguaaacaGccuacacucucagc...........................................      3    1    GDM
.....uguaaacauccuacacucucUgc...........................................      9    1    GDM
.....uguaaacauccuacacuAucagc...........................................      1    1    GDM
.....uguaaacaCccuacacucucagc...........................................     38    1    GDM
.....uguaaacauccuacUcucucagc...........................................      5    1    GDM
.....uguaGacauccuacacucucagc..........................hsa-miR-30c-2-3p     26    1    GDM
.....uguaaacauccuGcacucucagc...........................................     15    1    GDM
.....uguaaacauccuacacucucagA...........................................    227    1    GDM
```

hsa-miR-30c-2-3p

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

```
.....uguaaacauccuacacucucaAc............................................    12     1    GDM
.....uguaaacaAccuacacucucagc............................................     2     1    GDM
.....uguaaacauUcuacacucucagc............................................    18     1    GDM
.....uguaaacauccuacaGucucagc............................................     2     1    GDM
.....uguaaacauccuacacCcucagc............................................    27     1    GDM
.....uguCaacauccuacacucucagc............................................     1     1    GDM
.....uguaaacauccuacacucuUagc............................................    11     1    GDM
.....ugAaaacauccuacacucucagc............................................     4     1    GDM
.....uguaaacauccuacacucucagc............................................  5015     0    GDM
.....uguaaacaGccuacacucucagc............................................     3     1    GDM
.....uguaaacauccuacacucCcagc............................................    31     1    GDM
.....uguaaacauccuacacucuUagc............................................    11     1    GDM
.....uguaaaGauccuacacucucagc............................................     1     1    GDM
.....ugAaaacauccuacacucucagc............................................     4     1    GDM
.....uguaaacauccuacacucuUagc............................................    11     1    GDM
.....uguaaacauccuacacucucaUc............................................     1     1    GDM
.....uguaaacauccuacaUucucagc............................................     8     1    GDM
.....uguaaacauccuacacCcucagc............................................    27     1    GDM
.....uguaaacauccuacacuUucagc............................................     2     1    GDM
.....uguaaacGuccuacacucucagc............................................    29     1    GDM
.....uguaaacauccGacacucucagc............................................     4     1    GDM
.....Aguaaacauccuacacucucagc............................................    12     1    GDM
.....uguaaacauccAacacucucagc............................................    11     1    GDM
.....uguaaacUuccuacacucucagc............................................     3     1    GDM
.....uguaaCcauccuacacucucagc............................................    19     1    GDM
.....uguaUacauccuacacucucagc............................................     5     1    GDM
.....uguaaacCuccuacacucucagc............................................     1     1    GDM
.....uguaaacauUcuacacucucagc............................................    18     1    GDM
.....uguaaacaCccuacacucucagc............................................    38     1    GDM
.....Cguaaacauccuacacucucagc............................................    27     1    GDM
.....uguaaCcauccuacacucucagc............................................    19     1    GDM
.....uAuaaacauccuacacucucagc............................................    14     1    GDM
.....uguaaacauccuaAacucucagc............................................     2     1    GDM
.....uguaaCcauccuacacucucagc............................................    19     1    GDM
.....ugGaaacauccuacacucucagc............................................     6     1    GDM
.....uguaaacauccuacacucAcagc............................................     9     1    GDM
.....uguaaacGuccuacacucucagc............................................    29     1    GDM
.....uguaaacauccuacacucAcagc............................................     9     1    GDM
.....uguaaUcauccuacacucucagc............................................     4     1    GDM
.....uguaaacaucUuacacucucagc............................................     4     1    GDM
.....uguaaacGuccuacacucucagc............................................    29     1    GDM
.....uguaaacauccuacacAcucagc............................................     7     1    GDM
.....uguaGacauccuacacucucagc............................................    26     1    GDM
.....uguaaacauccCacacucucagc............................................    30     1    GDM
.....uguaaacauccuacacucucagG............................................     8     1    GDM
.....ugCaaacauccuacacucucagc............................................    25     1    GDM
.....uguaaUcauccuacacucucagc............................................     4     1    GDM
.....uguaaacauccuacacCcucagc............................................    27     1    GDM
.....uguaaacauccuacacucucaAc............................................    12     1    GDM
.....Cguaaacauccuacacucucagc............................................    27     1    GDM
.....uguaaGcauccuacacucucagc............................................    21     1    GDM
.....uguaaacauccuaUacucucagc............................................     5     1    GDM
.....Gguaaacauccuacacucucagc............................................     2     1    GDM
.....uguaGacauccuacacucucagc............................................    26     1    GDM
.....ugCaaacauccuacacucucagc............................................    25     1    GDM
.....uguaaacauccuacacucucagU............................................  1004     1    GDM
.....uguaaacauccuacacucucGgc............................................    17     1    GDM
.....ugGaaacauccuacacucucagc............................................     6     1    GDM
.....uguaaacauccuacGcucucagc............................................    20     1    GDM
.....uguaaaUauccuacacucucagc............................................     8     1    GDM
.....uguaaacauccGacacucucagc............................................     4     1    GDM
.....uguaaacauccuacacAcucagc............................................     7     1    GDM
.....uguaaacauccuacacucucaAc............................................    12     1    GDM
.....uguaaacauccuacacucucagU............................................  1004     1    GDM
.....uguGaacauccuacacucucagc............................................     9     1    GDM
.....uguaaacauccuacacGcucagc............................................     2     1    GDM
.....uguaaUcauccuacacucucagc.....................hsa-miR-30c-2-3p........     4     1    GDM
.....uguaaacauccuacaUucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu     8     1    GDM
.....uguaaacauccuacacucuAagc............................................     2     1    GDM
```

hsa-miR-30c-5p

hsa-miR-30c-2-3p

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcguuuacucuuucu

```
......uguaaacauccuGcacucucagc...........................................    15     1    GDM
......uguaaacauccuUcacucucagc...........................................    10     1    GDM
......ugCaaacauccuacacucucagc...........................................    25     1    GDM
......uguaaaUauccuacacucucagc...........................................    8      1    GDM
......uguaUacauccuacacucucagc...........................................    5      1    GDM
......uguaaacauccuacacucucGgc...........................................    17     1    GDM
......uguaaGcauccuacacucucagc...........................................    21     1    GDM
......uguaaacauccuacaAucucagc...........................................    2      1    GDM
......uguaaacaCccuacacucucagc...........................................    38     1    GDM
......uguaaacauccuacacucucagA...........................................    227    1    GDM
......uguaaacauccuacacucCcagc...........................................    31     1    GDM
......uguaaacauccuacacucucaCc...........................................    1      1    GDM
......uguaaacauccuacacucucagG...........................................    8      1    GDM
......uguaaacauccuacacAcucagc...........................................    7      1    GDM
......uguaaacauccuaUacucucagc...........................................    5      1    GDM
......uguaaacaucUuacacucucagc...........................................    4      1    GDM
......uguaaacauccAaacucucagc............................................    11     1    GDM
......uguaCacauccuacacucucagc...........................................    3      1    GDM
......uguaaacauccuacaUucucagc...........................................    8      1    GDM
......ugGaaacauccuacacucucagc...........................................    6      1    GDM
......uguaCacauccuacacucucagc...........................................    3      1    GDM
......uguaaacauccuacGcucucagc...........................................    20     1    GDM
......uguaaacauccCacacucucagc...........................................    30     1    GDM
......uguaaaAauccuacacucucagc...........................................    4      1    GDM
......uguaaacauccuUcacucucagc...........................................    10     1    GDM
......Aguaaacauccuacacucucagc...........................................    12     1    GDM
......uguaaacauccuacacucucUgc...........................................    9      1    GDM
......uguGaacauccuacacucucagc...........................................    9      1    GDM
......uguaaacauccuacaAucucagc...........................................    2      1    GDM
......uguaaGcauccuacacucucagc...........................................    21     1    GDM
......uguaaacauccuacacucAcagc...........................................    9      1    GDM
......uAuaaacauccuacacucucagc...........................................    14     1    GDM
......Cguaaacauccuacacucucagc...........................................    27     1    GDM
......uguaaacauccCacacucucagc...........................................    30     1    GDM
......uguaaacauccuGcacucucagc...........................................    15     1    GDM
......uguaaacauccuaUacucucagc...........................................    5      1    GDM
......uguaaacauUcuacacucucagc...........................................    18     1    GDM
......uguaaacauccuacacucucagU...........................................    1004   1    GDM
......uguaaacauccuacacucuAagc...........................................    2      1    GDM
......uguaaacauccuacacucCcagc...........................................    31     1    GDM
......uguaaacauccuacGcucucagc...........................................    20     1    GDM
......uguaaacauccuacacucucagc...........................................    5015   0    GDM
......uguaaacauccuacaGucucagc...........................................    2      1    GDM
......uguaaacauccuacacucucagc...........................................    5015   0    GDM
......uguaaacauccAacacucucagc...........................................    11     1    GDM
......Aguaaacauccuacacucucagc...........................................    12     1    GDM
......uguaaacauccuacacucucGgc...........................................    17     1    GDM
......uguaaacaucAuacacucucagc...........................................    1      1    GDM
......uguGaacauccuacacucucagc...........................................    9      1    GDM
......uguaaacauccuacacucucagG...........................................    8      1    GDM
......uguaaacauccAacacucucagcu..........................................    5      1    GDM
......uguaaacauccuGcacucucagcu..........................................    31     1    GDM
......Gguaaacauccuacacucucagcu..........................................    4      1    GDM
......uguaaacauccuGcacucucagcu..........................................    31     1    GDM
......uguaaacauccuacacucucUgcu..........................................    5      1    GDM
......uguaaacauccuacacCcucagcu..........................................    37     1    GDM
......uguaaacauccuacacucucagcu..........................................    7091   0    GDM
......uguaaacaGccuacacucucagcu..........................................    4      1    GDM
......uguaaacauccuacacucAcagcu..........................................    11     1    GDM
......uguaaacauccuaUacucucagcu..........................................    8      1    GDM
......uguaaacauccuacacuUucagcu..........................................    8      1    GDM
......uguaaacauccuacacuUucagcu..........................................    8      1    GDM
......uguaaacauccuacacucGcagcu..........................................    2      1    GDM
......ugGaaacauccuacacucucagcu..........................................    6      1    GDM
......uguaaacauccuacaUucucagcu..........................................    6      1    GDM
......uguaaacauccuacacucuAagcu..........................................    3      1    GDM
......uguaaacauAcuacacucucagcu..........................................    3      1    GDM
```

......Aguaaacauccuacacucucagcu...........................hsa-miR-30c-2-3p

```
......Aguaaacauccuacacucucagcu..........................................    12     1    GDM
```

......uguaaacaucUuacacucucagcu..........................cugggagaaggcguuuacucuuucu

```
......uguaaacaucUuacacucucagcu..........................................    12     1    GDM
```

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

```
.....uguaaacaucUuacacucucagcu.........................................    12      1    GDM
.....uguaaacauUcuacacucucagcu.........................................    62      1    GDM
.....Cguaaacauccuacacucucagcu.........................................    44      1    GDM
.....uguaaacUuccuacacucucagcu.........................................     5      1    GDM
.....uguaaacauccuUcacucucagcu.........................................    12      1    GDM
.....uguaaaAauccuacacucucagcu.........................................     4      1    GDM
.....uguaaacauAcuacacucucagcu.........................................     3      1    GDM
.....uguaaaAauccuacacucucagcu.........................................     4      1    GDM
.....uguaaacUuccuacacucucagcu.........................................     5      1    GDM
.....uguaGacauccuacacucucagcu.........................................    32      1    GDM
.....uguaaacaAccuacacucucagcu.........................................     5      1    GDM
.....uguCaacauccuacacucucagcu.........................................     2      1    GDM
.....uguaaacCuccuacacucucagcu.........................................     4      1    GDM
.....uguaaacauccuCcacucucagcu.........................................     1      1    GDM
.....uguaaacauccuaUacucucagcu.........................................     8      1    GDM
.....uguaaacauccuacacucuGgcu.........................................    31      1    GDM
.....uguaaacauccuacacAcucagcu.........................................    12      1    GDM
.....uguaaacauccuacacucucagcu.........................................  7091      0    GDM
.....uguaaacauccuacacucucagcG.........................................    55      1    GDM
.....uguaaacauccuacacucUgcu.........................................     5      1    GDM
.....uguaaacauccuacUcucagcu.........................................     5      1    GDM
.....uguaaacauccuacacucucagUu.........................................    15      1    GDM
.....uguaaacauccAacacucucagcu.........................................     5      1    GDM
.....uguaaacauUcuacacucucagcu.........................................    62      1    GDM
.....uguaaCcauccuacacucucagcu.........................................    18      1    GDM
.....uguaGacauccuacacucucagcu.........................................    32      1    GDM
.....ugAaaacauccuacacucucagcu.........................................     6      1    GDM
.....uguaaacauccuacacucucagcu.........................................  7091      0    GDM
.....uguaaacauccuacacucucagcG.........................................    55      1    GDM
.....uguaaacauccuacUcucagcu.........................................     5      1    GDM
.....uguaaacauccCacacucucagcu.........................................    31      1    GDM
.....uguaaacUuccuacacucucagcu.........................................     5      1    GDM
.....uguaaacauccuaAacucucagcu.........................................     2      1    GDM
.....uguaaacauccuacacucuUagcu.........................................    10      1    GDM
.....uguaaacauccuacacucucagcC.........................................   647      1    GDM
.....ugCaaacauccuacacucucagcu.........................................    29      1    GDM
.....uguaaacauccuacacucuGgcu.........................................    31      1    GDM
.....uguaaacauccuacGcucagcu.........................................    26      1    GDM
.....uguaaacaCccuacacucucagcu.........................................    43      1    GDM
.....uguaaacauccuacacCcucagcu.........................................    37      1    GDM
.....uguaaaUauccuacacucucagcu.........................................     9      1    GDM
.....uguaaacauccCacacucucagcu.........................................    31      1    GDM
.....uguaaacauccuUcacucucagcu.........................................    12      1    GDM
.....uguaaacauccuacacucuAagcu.........................................     3      1    GDM
.....uguaUacauccuacacucucagcu.........................................     7      1    GDM
.....uguaaacauAcuacacucucagcu.........................................     3      1    GDM
.....uguaaacauccuacCcucagcu.........................................     4      1    GDM
.....uguaaacauccuacCcucagcu.........................................     4      1    GDM
.....ugAaaacauccuacacucucagcu.........................................     6      1    GDM
.....uguaaacauccuacaUucucagcu.........................................     6      1    GDM
.....uAuaaacauccuacacucucagcu.........................................    18      1    GDM
.....uguaaacauccuacacucucagUu.........................................    15      1    GDM
.....uguaaacauccuacacucaAcu.........................................    10      1    GDM
.....uguaaacauccuGcacucucagcu.........................................    31      1    GDM
.....uguaaacaucUuacacucucagcu.........................................    12      1    GDM
.....uguaaacauccuaAacucucagcu.........................................     2      1    GDM
.....uCuaaacauccuacacucucagcu.........................................     2      1    GDM
.....uguaaacGuccuacacucucagcu.........................................    32      1    GDM
.....ugGaaacauccuacacucucagcu.........................................     6      1    GDM
.....uguaaCcauccuacacucucagcu.........................................    18      1    GDM
.....uguaaacauccuacacucucagUu.........................................    15      1    GDM
.....uguaaacauccuacacucuUgcu.........................................     5      1    GDM
.....uguaaacaCccuacacucucagcu.........................................    43      1    GDM
.....uguaaacauccuacacucaUcu.........................................     2      1    GDM
.....Cguaaacauccuacacucucagcu.........................................    44      1    GDM
.....Aguaaacauccuacacucucagcu.........................................    12      1    GDM
.....uguaaacauccuacacAcucagcu.........................................    12      1    GDM
.....uguaaacauccCacacucucagcu................................    31      1    GDM
.....uguaaacauccuacGcucagcu.........................................    26      1    GDM
```

hsa-miR-30c-5p

hsa-miR-30c-2-3p

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

```
.....ugCaaacauccuacacucucagcu............................................    29      1     GDM
.....uguaaacauccuacUcucucagcu............................................    5       1     GDM
.....uguaaacauccuUcacucucagcu............................................    12      1     GDM
.....uguaaacauccuacacucucagcA............................................    555     1     GDM
.....uguaaacauccuacacAcucagcu............................................    12      1     GDM
.....uguaaacauccuacacucCcagcu............................................    38      1     GDM
.....uguaaacaGccuacacucucagcu............................................    4       1     GDM
.....Gguaaacauccuacacucucagcu............................................    4       1     GDM
.....uguaaacaGccuacacucucagcu............................................    4       1     GDM
.....uAuaaacauccuacacucucagcu............................................    18      1     GDM
.....uguaaacauccuacacucuAagcu............................................    3       1     GDM
.....uguaaacauccuacacucuCggcu............................................    31      1     GDM
.....uguaaacauccuacaAucucagcu............................................    3       1     GDM
.....uguaaacauccuacacucucaAcu............................................    10      1     GDM
.....uguaaacGuccuacacucucagcu............................................    32      1     GDM
.....uguaaacauccuacacGcucagcu............................................    1       1     GDM
.....uguaaacauccGacacucucagcu............................................    5       1     GDM
.....uguGaacauccuacacucucagcu............................................    19      1     GDM
.....uguaaacauccuacacucucagcC............................................    647     1     GDM
.....uguGaacauccuacacucucagcu............................................    19      1     GDM
.....uguaaacauccuacacucucagGu............................................    2       1     GDM
.....uguaaacaAccuacacucucagcu............................................    5       1     GDM
.....uguaaGcauccuacacucucagcu............................................    40      1     GDM
.....uguaaacauccuacacucucaCcu............................................    1       1     GDM
.....uguaaacauccuacacucucagcG............................................    55      1     GDM
.....Aguaaacauccuacacucucagcu............................................    12      1     GDM
.....uguaaacGuccuacacucucagcu............................................    32      1     GDM
.....uguUaacauccuacacucucagcu............................................    6       1     GDM
.....uguaaaUauccuacacucucagcu............................................    9       1     GDM
.....uguaaacauccGacacucucagcu............................................    5       1     GDM
.....ugCaaacauccuacacucucagcu............................................    29      1     GDM
.....uguaaaUauccuacacucucagcu............................................    9       1     GDM
.....uguaaacauccuacaAucucagcu............................................    3       1     GDM
.....uguaaacauUcuacacucucagcu............................................    62      1     GDM
.....uguaaacauccuacGcucucagcu............................................    26      1     GDM
.....uguaUacauccuacacucucagcu............................................    7       1     GDM
.....uguaaacaCccuacacucucagcu............................................    43      1     GDM
.....uguaaacCuccuacacucucagcu............................................    4       1     GDM
.....uguaaacauccuacacucucagGu............................................    2       1     GDM
.....uguaaacauccuacacucCcagcu............................................    38      1     GDM
.....uguaaacauccuacacucAcagcu............................................    11      1     GDM
.....uguaaacauccuacacuUcagcu.............................................    8       1     GDM
.....uguGaacauccuacacucucagcu............................................    19      1     GDM
.....uguaaCcauccuacacucucagcu............................................    18      1     GDM
.....uguaaacauccuacacucucagcA............................................    555     1     GDM
.....uguaaacauccuacacucAcagcu............................................    11      1     GDM
.....uguaaUcauccuacacucucagcu............................................    4       1     GDM
.....uguaaacauccuacacCcucagcu............................................    37      1     GDM
.....uguaaacauccuaUacucucagcu............................................    8       1     GDM
.....uguUaacauccuacacucucagcu............................................    6       1     GDM
.....uguaaacauccuacacucucagcA............................................    555     1     GDM
.....uguaUacauccuacacucucagcu............................................    7       1     GDM
.....uguaaUcauccuacacucucagcu............................................    4       1     GDM
.....uguaaacauccuacacucCcagcu............................................    38      1     GDM
.....uguaaacauccuacaUucucagcu............................................    6       1     GDM
.....uguaaacauccuacacucuUagcu............................................    10      1     GDM
.....uguaaacauccuacacucucagcC............................................    647     1     GDM
.....uguaaacauccuacacucucaAcu............................................    10      1     GDM
.....uguaaGcauccuacacucucagcu............................................    40      1     GDM
.....uguaGacauccuacacucucagcu............................................    32      1     GDM
.....Cguaaacauccuacacucucagcu............................................    44      1     GDM
.....uguaaacauccuacacucuUagcu............................................    10      1     GDM
.....uguaaacauccuacacucucaUcu............................................    2       1     GDM
.....uguaaacauccuacacuAucagcu............................................    1       1     GDM
.....uAuaaacauccuacacucucagcu............................................    18      1     GDM
.....uguaaacauccGacacucucagcu............................................    5       1     GDM
.....uguaaGcauccuacacucucagcu............................................    40      1     GDM
.....uguaaacauccuacacucucagcuA.......................cugggagaaggcuguuuacucuuucu    13    1     GDM
.....uguaaacauccuacacucucagcuU...........................................    37      1     GDM
```

hsa-miR-30c-5p

hsa-miR-30c-2-3p

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

```
.....uguaaacauccuacacucucagcuA..........................................    13    1    GDM
.....uguaaacauccuacacucucagcuU..........................................    37    1    GDM
.....uguaaacauccuacacucucagcuA..........................................    13    1    GDM
.....uguaaacauccuacacucucagcuU..........................................    37    1    GDM
.....uguaaacauccuacacucucagcugu.........................................    13    0    GDM
.....uguaaacauccuacacucucagcugC.........................................     1    1    GDM
.....uguaaacauccuacacucucagcugu.........................................    13    0    GDM
.....uguaaacauccuacacucucagcuUu.........................................     7    1    GDM
.....uguaaacauccuacacucucagcugA.........................................     3    1    GDM
.....uguaaacauccuacacucucagcuUu.........................................     7    1    GDM
.....uguaaacauccuacacucucagcugA.........................................     3    1    GDM
.....uguaaacauccuacacucucagcugu.........................................    13    0    GDM
.......guaaacaGccuacacucuca.............................................     1    1    GDM
.......guaaacauccuacacucucagA...........................................     1    1    GDM
..................................................cugggagaaggcuguuuacu......     5    0    GDM
..................................................cugggagaaggcuguuuacuc.....     1    0    GDM
..................................................cugggagaaggcuguuuacucu....     2    0    GDM
..................................................cugggagaaggcuguuuacucC....     1    1    GDM
..................................................cugggagaaggcuguuuacucu....     2    0    GDM
..................................................cugggagaaggcuguuuacucuu...     1    0    GDM
...................................................ugggagaaggcuguuuacucu....     3    0    GDM
...................................................ugggagaaggcuguuuacucu....     3    0    GDM

....aAuguaaacauccuacacucucagcu..........................................     2    1    Z1_
.....Auguaaacauccuacacucuca.............................................     1    1    Z1_
.....cuguaaacauccuacacucucagc...........................................     4    0    Z1_
.....cuguaaacauccuacacucucagU...........................................     1    1    Z1_
.....Auguaaacauccuacacucucagcu..........................................     3    1    Z1_
.....cuguaaacauccuacacucucagcu..........................................     1    0    Z1_
.....cuguaaacauccuacacucucagcC..........................................     1    1    Z1_
......uguaaacauccuacacuc................................................     1    0    Z1_
......uguaaacauccuacacucu...............................................     2    0    Z1_
......uguaaacauccuacGcucuc..............................................     2    1    Z1_
......uguaaacauccuacacucCc..............................................     1    1    Z1_
......uguaaacauccuacacAcuc..............................................     1    1    Z1_
......uguaaacauccuGcacucuc..............................................     4    1    Z1_
......uguaaacauccuacacucuA..............................................     3    1    Z1_
......uguaaacauccuacacCcuc..............................................     1    1    Z1_
......uguaaacauccuacacucuU..............................................    28    1    Z1_
......uguaaacauccuacacucuc..............................................   239    0    Z1_
......uguaaacauccuacaUucuc..............................................     1    1    Z1_
......uguaaCcauccuacacucuc..............................................     1    1    Z1_
......uguaaacauccAacacucuc..............................................     1    1    Z1_
......uguaaacaCccuacacucuc..............................................     2    1    Z1_
......uguCaacauccuacacucuc..............................................     2    1    Z1_
......uguaaacauccCacacucuca.............................................     3    1    Z1_
......ugCaaacauccuacacucuca.............................................     2    1    Z1_
......uguaaaUauccuacacucuca.............................................     1    1    Z1_
......uguaGacauccuacacucuca.............................................     1    1    Z1_
......uguaaacauccuacGcucuca.............................................     1    1    Z1_
......Cguaaacauccuacacucuca.............................................     1    1    Z1_
......uguaaacaCccuacacucuca.............................................     5    1    Z1_
......uguaaGcauccuacacucuca.............................................     1    1    Z1_
......uguaaacauccAacacucuca.............................................     3    1    Z1_
......uguaaacauccuacacucuca.............................................   240    0    Z1_
......uguaaacauccuacacuAuca.............................................     1    1    Z1_
......uguaaacGuccuacacucuca.............................................     1    1    Z1_
......uguaaacauccuacacCcuca.............................................     2    1    Z1_
......uguaaacaucUuacacucuca.............................................     1    1    Z1_
......uguaaacauccuacacucucG.............................................     1    1    Z1_
......uguGaacauccuacacucuca.............................................     1    1    Z1_
......uguaaacauccCacacucucag............................................     1    1    Z1_
......Cguaaacauccuacacucucag............................................     3    1    Z1_
......uguaaacauccuacacCcucag............................................     1    1    Z1_
......uguaaacauccuacacucucaA............................................     4    1    Z1_
......uguaaacGuccuacacucucag............................................     3    1    Z1_
......uguaaacauccuacacucucag............................................    99    0    Z1_
......Aguaaacauccuacacucucag.................uggaaaguaagaaagcugggagaaggcuguuuacucuuucu     1    1    Z1_
......uguaaacauccuacacucucGg............................................     1    1    Z1_
```

hsa-miR-30c-5p

hsa-miR-30c-2-3p

agauac**uguaaacauccuacacucucagc**uguggaaaguaagaaag**cugggagaaggcuguuuacucu**uucu

```
.....uguaaacauccuacacucucaU.............................................    4      1    Z1_
.....uguaaacauccuacacucCcag.............................................    2      1    Z1_
.....uguaaacauccuacacucCcagc............................................   25      1    Z1_
.....uguaaacauccuacacucucagc............................................ 3899      0    Z1_
.....uguaaacGuccuacacucucagc............................................   10      1    Z1_
.....uguaaacauccAacacucucagc............................................    5      1    Z1_
.....uguaaacauccuCcacacucucagc..........................................    1      1    Z1_
.....uguaaacauccuacacucucaUc............................................    1      1    Z1_
.....uguCaacauccuacacucucagc............................................    2      1    Z1_
.....uguaaacauccuacacucucagU............................................  716      1    Z1_
.....uguaaacaCccuacacucucagc............................................   25      1    Z1_
.....uguaaacauUcuacacucucagc............................................   18      1    Z1_
.....uguaaacauccuacacucuUagc............................................    4      1    Z1_
.....Cguaaacauccuacacucucagc............................................   27      1    Z1_
.....uguaaacaAccuacacucucagc............................................    4      1    Z1_
.....uguaaacauccuacUcucucagc............................................    4      1    Z1_
.....uguaaacauccuacGcucucagc............................................   10      1    Z1_
.....uguaaacauccuacacCcucagc............................................   22      1    Z1_
.....uguaaacauccuacacucAcagc............................................    4      1    Z1_
.....ugCaaacauccuacacucucagc............................................   22      1    Z1_
.....uguaUacauccuacacucucagc............................................    2      1    Z1_
.....uguaaacauccuUcacucucagc............................................    2      1    Z1_
.....uguaaacCuccuacacucucagc............................................    4      1    Z1_
.....uguaaacauccuacacucucagG............................................    7      1    Z1_
.....uguGaacauccuacacucucagc............................................   17      1    Z1_
.....uguaaacauccuacacuUucagc............................................    5      1    Z1_
.....uguaaacauccuacacucucGgc............................................   15      1    Z1_
.....uguaaacauccuacacucucagA............................................  130      1    Z1_
.....uguaCacauccuacacucucagc............................................    1      1    Z1_
.....uguUaacauccuacacucucagc............................................    4      1    Z1_
.....Gguaaacauccuacacucucagc............................................    2      1    Z1_
.....uguaaacauccuacacucucaAc............................................    3      1    Z1_
.....uguaaGcauccuacacucucagc............................................   15      1    Z1_
.....uguaaacauccuaUacucucagc............................................    9      1    Z1_
.....uguaaacaGccuacacucucagc............................................    1      1    Z1_
.....ugGaaacauccuacacucucagc............................................   15      1    Z1_
.....uguaaacauccuacaUucucagc............................................    2      1    Z1_
.....uguaaaUauccuacacucucagc............................................    2      1    Z1_
.....uguaaacauccuGcacucucagc............................................   11      1    Z1_
.....uguaGacauccuacacucucagc............................................   20      1    Z1_
.....uAuaaacauccuacacucucagc............................................    8      1    Z1_
.....uguaaacauccuacacucucUgc............................................    2      1    Z1_
.....uguaaacauccuacacAcucagc............................................    2      1    Z1_
.....uguaaacauccuacacucucCgc............................................    3      1    Z1_
.....Aguaaacauccuacacucucagc............................................    9      1    Z1_
.....uguaaacauccCacacucucagc............................................   25      1    Z1_
.....uguaaUcauccuacacucucagc............................................    2      1    Z1_
.....uguaaCcauccuacacucucagc............................................   10      1    Z1_
.....Cguaaacauccuacacucucagcu...........................................   23      1    Z1_
.....uguaaacauccuacacucucaCcu...........................................    1      1    Z1_
.....uAuaaacauccuacacucucagcu...........................................   15      1    Z1_
.....uguaaacauccuacacucCcagcu...........................................   26      1    Z1_
.....uguaaacauccuacacuUucagcu...........................................    2      1    Z1_
.....uguaaacauGcuacacucucagcu...........................................    1      1    Z1_
.....uguaaacauccuacUcucucagcu...........................................    1      1    Z1_
.....uguaaacauccuacacAcucagcu...........................................    3      1    Z1_
.....uguaaUcauccuacacucucagcu...........................................    1      1    Z1_
.....uguaaacauccuacaUucucagcu...........................................    4      1    Z1_
.....uguaaaUauccuacacucucagcu...........................................    5      1    Z1_
.....uguaaacauccuacacucAcagcu...........................................   11      1    Z1_
.....uguaaacauccuacacucucUgcu...........................................    5      1    Z1_
.....uguaaacauccuacacucucagcA...........................................  291      1    Z1_
.....uguaaacauccuaAacucucagcu...........................................    1      1    Z1_
.....uguaaacauccuGcacucucagcu...........................................   14      1    Z1_
.....uguaaacauccAacacucucagcu...........................................    5      1    Z1_
.....ugCaaacauccuacacucucagcu...........................................   20      1    Z1_
.....Gguaaacauccuacacucucagcu...........................................    1      1    Z1_
.....uguaaacauccuacacucucagcu....aaaguaagaaagcugggagaaggcuguuuacucuuucu 4655      0    Z1_
.....uguCaacauccuacacucucagcu...........................................    5      1    Z1_
```

hsa-miR-30c-2-3p

agauacuguaaacauccuacacucucagcuguggaaaguaagaaagcugggagaaggcuguuuacucuuucu

```
......uguaaacauccuacacucucCgcu...........................................          2        1        Z1_
......uguaaacaGccuacacucucagcu............................................          1        1        Z1_
......uguaaacauccuacacucucaUcu............................................          1        1        Z1_
......uguaaacauccuaGacucucagcu............................................          1        1        Z1_
......uguaUacauccuacacucucagcu............................................          7        1        Z1_
......uguaaacaucGuacacucucagcu............................................          1        1        Z1_
......uguaaGcauccuacacucucagcu............................................         28        1        Z1_
......uguaGacauccuacacucucagcu............................................         22        1        Z1_
......uguaaacauUcuacacucucagcu............................................         37        1        Z1_
......uguaaacauccCacacucucagcu............................................         16        1        Z1_
......uguaaacauccuacacucucagUu............................................          5        1        Z1_
......uguaaacaAccuacacucucagcu............................................          8        1        Z1_
......uguaaacauccuacGcucucagcu............................................         21        1        Z1_
......uguaaacauccuacacuAucagcu............................................          2        1        Z1_
......uguaaacauccuacacucucGgcu............................................         19        1        Z1_
......ugAaaacauccuacacucucagcu............................................          3        1        Z1_
......uguaaacaucAuacacucucagcu............................................          1        1        Z1_
......uguaaacaCccuacacucucagcu............................................         21        1        Z1_
......uguaaacauccuacacucucaAcu............................................         10        1        Z1_
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