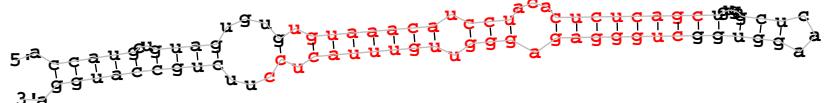miRBase precursor : hsa-mir-30c-1
Total read count : 47459
hsa-miR-30c-5p read count : 47395
hsa-miR-30c-1-3p read count64
remaining reads : 0

freq.

hsa-miR-30c-5p

hsa-miR-30c-1-3p

```
5'- accaugcuguagugugguaaacauccuacacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga   -3'    exp
    .(((((..((((...(.(((((((((.(((...(((((((((((....(((...)))))))))))))).))).))))))).)...)))))))))).      reads    mm      sample
    ...............uguaaacauccuacacuc.........................................................     2        0        Z2_
    ...............uguaaacauccuacacucu........................................................     22       0        Z2_
    ...............uguaaacauccuacacucC........................................................     1        1        Z2_
    ...............uguaUacauccuacacucuc.......................................................     1        1        Z2_
    ...............uguaaacauccuUcacucuc.......................................................     3        1        Z2_
    ...............uguaaacauccuacacCcuc.......................................................     1        1        Z2_
    ...............uguaaacauccuGcacucuc.......................................................     3        1        Z2_
    ...............uguaaacauccuacacucuA.......................................................     4        1        Z2_
    ...............ugCaaacauccuacacucuc.......................................................     3        1        Z2_
    ...............uguaaacauccuacacucuc.......................................................     206      0        Z2_
    ...............uguaaacauccuaUacucuc.......................................................     3        1        Z2_
    ...............uguaaacauccuacacucCc.......................................................     3        1        Z2_
    ...............uguaaacauccCcacucuc.......................................................     1        1        Z2_
    ...............uguaaacaucUuacacucuc.......................................................     1        1        Z2_
    ...............uguaaacauccuacacucuU.......................................................     16       1        Z2_
    ...............uguaaacauUcacacucuc.......................................................     2        1        Z2_
    ...............Cguaaacauccuacacucuc.......................................................     1        1        Z2_
    ...............uguaaacauccuacacucucG.......................................................    5        1        Z2_
    ...............uguaaacGuccuacacucuca.......................................................    1        1        Z2_
    ...............uguaaacauccuacacucuca.......................................................    371      0        Z2_
    ...............uguaaacauccuacaUucuca.......................................................    2        1        Z2_
    ...............uguaaacaucUuacacucuca......................................................     1        1        Z2_
    ...............Cguaaacauccuacacucuca......................................................     4        1        Z2_
    ...............Gguaaacauccuacacucuca......................................................     1        1        Z2_
    ...............uguaaacauccuacacucuUa......................................................     1        1        Z2_
    ...............uguaGacauccuacacucuca......................................................     1        1        Z2_
    ...............uguaaacauccuacacucAca......................................................     1        1        Z2_
    ...............uguaaacauccuacacCcuca......................................................     5        1        Z2_
    ...............uguaaGcauccuacacucuca......................................................     4        1        Z2_
    ...............uguaaacauccuacaGucuca......................................................     1        1        Z2_
    ...............uguGaacauccuacacucuca......................................................     1        1        Z2_
    ...............uguaaacauccuacacucCca......................................................     2        1        Z2_
    ...............uguaaacauccuUcacucuca......................................................     1        1        Z2_
    ...............uguaaacauccuacacuUuca......................................................     4        1        Z2_
```

hsa-miR-30c-5p

hsa-miR-30c-1-3p

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga

```
...................ugCaaacauccuacacucuca....................................................   2      1     Z2_
...................uguaaacauccuCcacucuca....................................................   1      1     Z2_
...................uguaaacauccuacacucucU....................................................   2      1     Z2_
...................uguaaacauccAacacucuca....................................................   2      1     Z2_
...................uguaaaUauccuacacucuca....................................................   1      1     Z2_
...................uguaaacauUcuacacucuca....................................................   7      1     Z2_
...................Aguaaacauccuacacucuca....................................................   2      1     Z2_
...................uguaaGcauccuacacucucag..................................................   2      1     Z2_
...................uguaaacauccuacacucucaA..................................................   5      1     Z2_
...................uguaaacauccuaAacucucag..................................................   1      1     Z2_
...................uguaaacauccuacacucucGg.................................................   2      1     Z2_
...................uguaaacauccuacacucucag..................................................  118     0     Z2_
...............Cguaaacauccuacacucucag......................................................   2      1     Z2_
...................uguaaacauccuGcacucucag.................................................   1      1     Z2_
...................uguaaacauccCacacucucag.................................................   1      1     Z2_
...................uguaaacGuccuacacucucag.................................................   3      1     Z2_
...................uguaaacauccuUcacucucag.................................................   1      1     Z2_
...................uguaaacauUcuacacucucagc...............................................  13      1     Z2_
...................uguaaacauccuacacucucaUc...............................................   1      1     Z2_
...................uguaaCcauccuacacucucagc...............................................   8      1     Z2_
...................uguaGcauccuacacucucagc................................................  12      1     Z2_
...................uguaaacauAcuacacucucagc...............................................   3      1     Z2_
...................uguaaacauccuacUcucucagc...............................................   6      1     Z2_
...................uguaaacauccuCcacucucagc...............................................   1      1     Z2_
...................uguaaacauccuacacucucUgc...............................................   1      1     Z2_
...................uguaUacauccuacacucucagc...............................................   6      1     Z2_
...................uguaaacauccuacacuGucagc...............................................   1      1     Z2_
...................uguaaacauccuUcacucucagc...............................................   2      1     Z2_
...................uguaaacauccuacacucAcagc...............................................   9      1     Z2_
...................uguaaUcauccuacacucucagc...............................................   2      1     Z2_
...................uguUaacauccuacacucucagc...............................................   1      1     Z2_
...................uguaaacauccuacacucucagc...............................................  3480    0     Z2_
...................uguaaacauccuacacucCcagc...............................................  21      1     Z2_
...................uguaaacauccuacacCcucagc...............................................  18      1     Z2_
...................uguGaacauccuacacucucagc...............................................  16      1     Z2_
...................uguaaacUuccuacacucucagc...............................................   1      1     Z2_
...................uguaaacauccuacaUucucagc...............................................   7      1     Z2_
...................ugCaaacauccuacacucucagc...............................................   9      1     Z2_
...................ugAaaacauccuacacucucagc...............................................   1      1     Z2_
...................uguaaacauccuacacucucagU...............................................  501     1     Z2_
...............Gguaaacauccuacacucucagc....................................................   3      1     Z2_
...................uguaCacauccuacacucucagc...............................................   1      1     Z2_
...............Aguaaacauccuacacucucagc....................................................  11      1     Z2_
...................uguaaacauccuGcacucucagc...............................................  11      1     Z2_
...................uguaaacauccCacacucucagc...............................................  10      1     Z2_
...................uguaaacGuccuacacucucagc...............................................  19      1     Z2_
...................uguaaacauccuacacucucagG...............................................   1      1     Z2_
...................uguaaacauccuacacucucaAc...............................................   4      1     Z2_
...................uguaaacauccuacacucucagA...............................................  153     1     Z2_
...................uguaaaAauccuacacucucagc...............................................   2      1     Z2_
...................uguaaacauccuacacAcucagc...............................................   4      1     Z2_
...................uguaaacaucAuacacucucagc...............................................   3      1     Z2_
...................uguaaacauccuacacucUagc................................................  12      1     Z2_
...................uguaaacauccuaUacucucagc...............................................   7      1     Z2_
...................uguaaacaAccuacacucucagc...............................................   6      1     Z2_
...................uguaaacauccuacaAucucagc...............................................   2      1     Z2_
...................uguaaacCuccuacacucucagc...............................................   1      1     Z2_
...................uguaaacaucUuacacucucagc...............................................   8      1     Z2_
...................uguaaGcauccuacacucucagc...............................................  24      1     Z2_
...................uguaaacauccuacacucucCgc...............................................   1      1     Z2_
...................uAuaaacauccuacacucucagc...............................................   8      1     Z2_
...................uguaaacauccuacacucucGgc...............................................  19      1     Z2_
...................uguaaacauccuacacuUucagc...............................................   3      1     Z2_
...................uCuaaacauccuacacucucagc...............................................   1      1     Z2_
...............Cguaaacauccuacacucucagc....................................................  19      1     Z2_
...................uguaaacaucCAacacucucagc...............................................   4      1     Z2_
...................uguaaacaCccuacacucucagc...............................................  25      1     Z2_
accaugcuguagugug...uguaaacauccuacGcucucagc.ugugagcucaaggugg.cugggagagggguuguuuacucc...........  21      1     Z2_
...............uguaaacauGcuacacucucagc....................................................   1      1     Z2_
```

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagagggguuguuuacuccuucugccaugga

```
.....................uguaaacaAccuacacucucagcu............................................  5      1   Z2_
.....................uguaaacGuccuacacucucagcu............................................  13     1   Z2_
.....................uguaaacaCccuacacucucagcu............................................  30     1   Z2_
.....................uguaaacCuccuacacucucagcu............................................  1      1   Z2_
.....................ugGaaacauccuacacucucagcu............................................  1      1   Z2_
.....................uguaaacauccuacacuUucagcu............................................  5      1   Z2_
.....................uguaaacauccuacaUucucagcu............................................  7      1   Z2_
.....................uguaaacauccuGcacucucagcu............................................  14     1   Z2_
.....................uguaaacauccuacacuAucagcu............................................  2      1   Z2_
.....................uguGaacauccuacacucucagcu............................................  23     1   Z2_
.....................Cguaaacauccuacacucucagcu............................................  48     1   Z2_
.....................uguaaacauccuacacCcucagcu............................................  33     1   Z2_
.....................uguaGacauccuacacucucagcu............................................  29     1   Z2_
.....................uguaaacauccuacacucucGgcu............................................  34     1   Z2_
.....................uguaaacauccCacacucucagcu............................................  32     1   Z2_
.....................uguaaacauccuacacucAcagcu............................................  7      1   Z2_
.....................uguaaCcauccuacacucucagcu............................................  19     1   Z2_
.....................uguaaacauccuacaAucucagcu............................................  1      1   Z2_
.....................uguCaacauccuacacucucagcu............................................  2      1   Z2_
.....................uguaaGcauccuacacucucagcu............................................  20     1   Z2_
.....................uguaaacauccuUcacucucagcu............................................  5      1   Z2_
.....................uguaaacauccAacacucucagcu............................................  11     1   Z2_
.....................uguaUacauccuacacucucagcu............................................  7      1   Z2_
.....................uguaaacauccuCcacucucagcu............................................  3      1   Z2_
.....................uguaaacauccuacacucucagcA............................................  325    1   Z2_
.....................uUuaaacauccuacacucucagcu............................................  2      1   Z2_
.....................uguaaUcauccuacacucucagcu............................................  4      1   Z2_
.....................uguaaacauccuaUacucucagcu............................................  11     1   Z2_
.....................uguaaacauccuacacucucagcC............................................  488    1   Z2_
.....................uguaaacauccuacacucucagUu............................................  10     1   Z2_
.....................uguaaaAauccuacacucucagcu............................................  2      1   Z2_
.....................uguaaacaucAuacacucucagcu............................................  2      1   Z2_
.....................uguaaacauccuacGcucucagcu............................................  20     1   Z2_
.....................uguaaacauccuacacucucagcu............................................  5663   0   Z2_
.....................uguaaacaucUuacacucucagcu............................................  10     1   Z2_
.....................uCuaaacauccuacacucucagcu............................................  1      1   Z2_
.....................uguaaacauccuacacucucaAcu............................................  11     1   Z2_
.....................uguaaacauccuacacucuUagcu............................................  4      1   Z2_
.....................uguaaacauccuacacucucaUcu............................................  1      1   Z2_
.....................uguUaacauccuacacucucagcu............................................  1      1   Z2_
.....................uguaCacauccuacacucucagcu............................................  2      1   Z2_
.....................uguaaacauccuacacucuUgcu............................................  2      1   Z2_
.....................uguaaacauccuacCcucucagcu............................................  2      1   Z2_
.....................uguaaacauccuacacucGcagcu............................................  2      1   Z2_
.....................Gguaaacauccuacacucucagcu............................................  2      1   Z2_
.....................uguaaacaGccuacacucucagcu............................................  2      1   Z2_
.....................uAuaaacauccuacacucucagcu............................................  7      1   Z2_
.....................uguaaacauccuacacGcucagcu............................................  1      1   Z2_
.....................uguaaacauccuacacAcucagcu............................................  6      1   Z2_
.....................uguaaacauccuacacucuCgcu............................................  1      1   Z2_
.....................ugCaaacauccuacacucucagcu............................................  11     1   Z2_
.....................uguaaacauUcuacacucucagcu............................................  58     1   Z2_
.....................uguaaacauccuacacucucagcG............................................  51     1   Z2_
.....................uguaaaUauccuacacucucagcu............................................  8      1   Z2_
.....................uguaaacauccuaAacucucagcu............................................  1      1   Z2_
.....................uguaaacauccGacacucucagcu............................................  1      1   Z2_
.....................uguaaacauccuacacucCcagcu............................................  37     1   Z2_
.....................Aguaaacauccuacacucucagcu............................................  12     1   Z2_
.....................uguaaacauccuacacucuAagcu............................................  1      1   Z2_
.....................uguaaacauccuacacucucagcug...........................................  3      0   Z2_
.....................uguaaacauccuacacucucagcuU...........................................  8      1   Z2_
.....................uguaaacauccuacacucucagcuA...........................................  9      1   Z2_
.....................uguaaacauccuacacucucagcuUu..........................................  2      1   Z2_
.....................uguaaacauccuacacucucagUugu..........................................  1      1   Z2_
.....................uguaaacauccuacacucucagcugu..........................................  7      0   Z2_
......................guaaacauccuacacucucagA............................................  1      1   Z2_
......................guaaacauccuacacucucagc.............................  hsa-miR-30c-1-3p  2      0   Z2_
accaugcuguagugug uguaaacauccuacacucucagc ugugagcucaaggugg            cugggagagggguuguuuacucA.............  1      1   Z2_
...................................................................cugggagagggguuguuuacucu..............  16     0   Z2_
```

hsa-miR-30c-5p

hsa-miR-30c-1-3p

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagagggguuguuuacuccuucugccaugga

Sequence	Count	Mismatch	Label
....cugggagagggguuguuuacuc..............	2	0	Z2_
....cugggagagggguuguuuacuU..............	4	1	Z2_
....cugggagagggguuguuuacucc.............	2	0	Z2_
....cugggagagggguuguuuacucU.............	3	1	Z2_
...............uguaaacauccuacacuc...	6	0	GDM
...............uguaaacauccuacacuc...	6	0	GDM
...............uguaaacauccuacacuU...	2	1	GDM
...............uguaaacauccuacacuU...	2	1	GDM
...............uguaaacauccuacacCcu..	2	1	GDM
...............uguaaacauccuacacucC..	5	1	GDM
...............uguaaacauccuaUacucu..	2	1	GDM
...............uguaaCcauccuacacucu..	1	1	GDM
...............uguaaacauccuacacucu..	34	0	GDM
...............uguaaacauccuacacucC..	5	1	GDM
...............uguaaacaCccuacacucu..	1	1	GDM
...............uguaaacauccuacacucC..	5	1	GDM
...............uguaaacauccuacacucu..	34	0	GDM
...............uguaaacauccuacacucu..	34	0	GDM
...............uguaaacauccuacacucuc...	435	0	GDM
...............uguaaacauccuacacucCc...	3	1	GDM
...............uguaGacauccuacacucuc...	3	1	GDM
...............uguaaacCuccuacacucuc...	1	1	GDM
...............uguaaacauUcuacacucuc...	4	1	GDM
...............uguaaacauccuacacucAc...	1	1	GDM
...............uguaGacauccuacacucuc...	3	1	GDM
...............uguaaacauccuaUacucuc...	3	1	GDM
...............Cguaaacauccuacacucuc...	7	1	GDM
...............uguaaacaucGuacacucuc...	1	1	GDM
...............uguaaacauccuacacucuU...	53	1	GDM
...............uguaGacauccuacacucuc...	3	1	GDM
...............Aguaaacauccuacacucuc...	2	1	GDM
...............uguaaacaAccuacacucuc...	1	1	GDM
...............uguaaacauccuacacucuU...	53	1	GDM
...............uguaaacauccCacacucuc...	6	1	GDM
...............uguaaacauccuacacAcuc...	3	1	GDM
...............uguaaacauccuacacucCc...	3	1	GDM
...............uguaaacauccuacacucuU...	53	1	GDM
...............uguaaacauccuacaUucuc...	2	1	GDM
...............uguGaacauccuacacucuc...	2	1	GDM
...............uguaaacauccuacacucuc...	435	0	GDM
...............uguaaacauccuacacuAuc...	1	1	GDM
...............uguaaacauccuacacucuA...	14	1	GDM
...............ugCaaacauccuacacucuc...	5	1	GDM
...............uguaaacauccuGcacucuc...	1	1	GDM
...............uguaaacauccuacUcucuc...	1	1	GDM
...............ugCaaacauccuacacucuc...	5	1	GDM
...............uguaaacauccuacacucuA...	14	1	GDM
...............Cguaaacauccuacacucuc...	7	1	GDM
...............uguaaacaCccuacacucuc...	1	1	GDM
...............uguaaacauccCacacucuc...	6	1	GDM
...............uguaaacauccCacacucuc...	6	1	GDM
...............Aguaaacauccuacacucuc...	2	1	GDM
...............uguaaCcauccuacacucuc...	1	1	GDM
...............ugCaaacauccuacacucuc...	5	1	GDM
...............uguaaacauccuacacucuc...	435	0	GDM
...............uguaaacauccuacacuUuc...	2	1	GDM
...............uguaaacauccuacGcucuc...	1	1	GDM
...............uguaaacauccuacacucuA...	14	1	GDM
...............uguaaacUuccuacacucuc...	1	1	GDM
...............uguaUacauccuacacucuc...	1	1	GDM
...............uguaaacauccuUcacucuc...	1	1	GDM
...............uguaaacauccuaUacucuc...	3	1	GDM
...............uguaaacauccCacacucuca..	3	1	GDM
...............uguaaacauccuacaAucuca..	1	1	GDM
...............uguaaacauccuacacucuca..	793	0	GDM
...............uguaUacauccuacacucuca..	3	1	GDM
accaugcuguagugug uguaaacauccuacacucucG ugugagcucaagguggcugggagagggguuguuuacuccuucugccaugga	8	1	GDM
...............uguaaacauUcuacacucuca..	12	1	GDM

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga

```
...............Aguaaacauccuacacucuca...............................................      1     1    GDM
...............uguaaacauccuacacucucC...............................................      3     1    GDM
...............uguaaacauccuacGcucuca...............................................      7     1    GDM
...............uguaaacaCccuacacucuca...............................................      4     1    GDM
...............uguaaacauccuacacucucU...............................................      5     1    GDM
...............uguaaCcauccuacacucuca...............................................      3     1    GDM
...............uguaaaUauccuacacucuca...............................................      1     1    GDM
...............uguaaacauccCacacucuca...............................................      3     1    GDM
...............uguaaGcauccuacacucuca...............................................      5     1    GDM
...............Cguaaacauccuacacucuca...............................................      6     1    GDM
...............uguaaacauccuacacucucC...............................................      3     1    GDM
...............uguaaacauAcuacacucuca...............................................      1     1    GDM
...............uguaaacGuccuacacucuca...............................................      3     1    GDM
...............ugCaaacauccuacacucuca...............................................      3     1    GDM
...............ugCaaacauccuacacucuca...............................................      3     1    GDM
...............uguGaacauccuacacucuca...............................................      1     1    GDM
...............uguaaacauccAacacucuca...............................................      1     1    GDM
...............uguaaacauccuacacucucU...............................................      5     1    GDM
...............uguaaacaucUuacacucuca...............................................      3     1    GDM
...............uguaaGcauccuacacucuca...............................................      5     1    GDM
...............uguaaacauccuaUacucuca...............................................      2     1    GDM
...............uguaaacaCccuacacucuca...............................................      4     1    GDM
...............uguaaacauccuacGcucuca...............................................      7     1    GDM
...............Gguaaacauccuacacucuca...............................................      1     1    GDM
...............uguaaacauccuacacucucU...............................................      5     1    GDM
...............uguaaacauccuacGcucuca...............................................      7     1    GDM
...............uguaaacaucUuacacucuca...............................................      3     1    GDM
...............uguaGacauccuacacucuca...............................................      5     1    GDM
...............uguaaacauccuGcacucuca...............................................      2     1    GDM
...............uguaaacaCccuacacucuca...............................................      4     1    GDM
...............uguaaacauUcuacacucuca...............................................     12     1    GDM
...............uguaGacauccuacacucuca...............................................      5     1    GDM
...............uguaaacauccuacacucucG...............................................      8     1    GDM
...............Cguaaacauccuacacucuca...............................................      6     1    GDM
...............uguaaacauUcuacacucuca...............................................     12     1    GDM
...............uguaaacauccuacacucuca...............................................    793     0    GDM
...............uguaaacauccuacacucCca...............................................      1     1    GDM
...............uguaUacauccuacacucuca...............................................      3     1    GDM
...............uguaaacauccuacacucuca...............................................    793     0    GDM
...............uguaaacauccuacacucucC...............................................      3     1    GDM
...............uguaaacauccuacacCcuca...............................................      5     1    GDM
...............uguaaacauccuacacCcuca...............................................      5     1    GDM
...............ugCaaacauccuacacucucag..............................................      1     1    GDM
...............uguaaacauccuacacucucag..............................................    194     0    GDM
...............uguaaacaucGuacacucucag..............................................      1     1    GDM
...............uguaaacauccuacacucucGg.............................................      1     1    GDM
...............uguaaacauccuacacucucCg.............................................      3     1    GDM
...............uguaGacauccuacacucucag..............................................      1     1    GDM
...............uguaaacauccuacacucucaA..............................................     12     1    GDM
...............uguaUacauccuacacucucag..............................................      1     1    GDM
...............uguaaacaCccuacacucucag..............................................      2     1    GDM
...............uguaaacauccuacacucucag..............................................    194     0    GDM
...............uguaaacauccuacacucucag..............................................    194     0    GDM
...............uguaaacauUcuacacucucag..............................................      2     1    GDM
...............uguaaacauccuacacucucaA..............................................     12     1    GDM
...............uguaaacauUcuacacucucag..............................................      2     1    GDM
...............uguaaGcauccuacacucucag..............................................      1     1    GDM
...............Cguaaacauccuacacucucag..............................................      4     1    GDM
...............uguaaacGuccuacacucucag..............................................      1     1    GDM
...............uguaaacauccuacacucuGag..............................................      1     1    GDM
...............uguaaacauccAacacucucag..............................................      1     1    GDM
...............uguaaacauccuacacucCcag..............................................      1     1    GDM
...............uguaaacauccuacacucucaA..............................................     12     1    GDM
...............uguaaacauccuaUacucucagc.............................................      5     1    GDM
...............Aguaaacauccuacacucucagc.............................................     12     1    GDM
...............uguaaacauccuacaUucucagc.............................................      8     1    GDM
...............uguaaacauccuacacucucUgc.............................................      9     1    GDM
accaugcuguagugug uguaaacauccuacacucucUgc..........................................      9     1    GDM
...............uguaaacauccuacacucucagG.............................................      8     1    GDM
```

hsa-miR-30c-5p

hsa-miR-30c-1-3p

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga

```
................uguaaacauccuacacucuUagc........................................  11    1   GDM
................uguaaacauccuUcacucucagc........................................  10    1   GDM
................Aguaaacauccuacacucucagc........................................  12    1   GDM
................uguaaacGuccuacacucucagc........................................  29    1   GDM
................uguaaacauccuacacGcucagc........................................  2     1   GDM
................uguaaacauccCacacucucagc........................................  30    1   GDM
................uguaaaUauccuacacucucagc........................................  8     1   GDM
................uguaaacauccuacacucucaAc........................................  12    1   GDM
................uguaaacauccuacacucucagc........................................  5015  0   GDM
................Aguaaacauccuacacucucagc........................................  12    1   GDM
................Cguaaacauccuacacucucagc........................................  27    1   GDM
................uguaaacaGccuacacucucagc........................................  3     1   GDM
................uguaaacauccuacaUucucagc........................................  8     1   GDM
................uguaaacauccuacacAcucagc........................................  7     1   GDM
................uguaaGcauccuacacucucagc........................................  21    1   GDM
................uguaaacauccuacacucucaAc........................................  12    1   GDM
................uguaaacauccuaUacucucagc........................................  5     1   GDM
................uguaaacCuccuacacucucagc........................................  1     1   GDM
................uguaaacauccuGcacucucagc........................................  15    1   GDM
................uguaaacauccuacacucAcagc........................................  9     1   GDM
................uguaaGcauccuacacucucagc........................................  21    1   GDM
................uguaaacauccuacUcucucagc........................................  5     1   GDM
................uAuaaacauccuacacucucagc........................................  14    1   GDM
................uguaaacauccAacacucucagc........................................  11    1   GDM
................uguaaacGuccuacacucucagc........................................  29    1   GDM
................uguaaacauccuacacucuUagc........................................  11    1   GDM
................uguaaaUauccuacacucucagc........................................  8     1   GDM
................uguaaacauccGacacucucagc........................................  4     1   GDM
................uguGaacauccuacacucucagc........................................  9     1   GDM
................uguaaaGauccuacacucucagc........................................  1     1   GDM
................ugGaaacauccuacacucucagc........................................  6     1   GDM
................uguaaacauccuacacucucagU........................................  1004  1   GDM
................uguaaacaucAuacacucucagc........................................  1     1   GDM
................uguaaacauccuacacucuAagc........................................  2     1   GDM
................uguaGacauccuacacucucagc........................................  26    1   GDM
................uguaaacauccuacacucAcagc........................................  9     1   GDM
................uguaaacauccuacacucCcagc........................................  31    1   GDM
................uguaaacauccuacacucucagG........................................  8     1   GDM
................uguaaacauccuacacucucaAc........................................  12    1   GDM
................uguaaacauccuacacucucagc........................................  5015  0   GDM
................uguaaacauccGacacucucagc........................................  4     1   GDM
................uAuaaacauccuacacucucagc........................................  14    1   GDM
................uguaaCcauccuacacucucagc........................................  19    1   GDM
................uguaaacaAccuacacucucagc........................................  2     1   GDM
................uguaaUcauccuacacucucagc........................................  4     1   GDM
................uguaaacauccuUcacucucagc........................................  10    1   GDM
................uguaaacUuccuacacucucagc........................................  3     1   GDM
................uguaUacauccuacacucucagc........................................  5     1   GDM
................uguaCacauccuacacucucagc........................................  3     1   GDM
................ugAaaacauccuacacucucagc........................................  4     1   GDM
................uguaGacauccuacacucucagc........................................  26    1   GDM
................uguGaacauccuacacucucagc........................................  9     1   GDM
................uguaaacauUcuacacucucagc........................................  18    1   GDM
................uguaaacauccuacacucuCugc........................................  9     1   GDM
................uguaaacauccuacacucucagG........................................  8     1   GDM
................uguaaacauccuaAacucucagc........................................  2     1   GDM
................ugCaaacauccuacacucucagc........................................  25    1   GDM
................uguaaacauccuacacCcucagc........................................  27    1   GDM
................uguGaacauccuacacucucagc........................................  9     1   GDM
................Gguaaacauccuacacucucagc........................................  2     1   GDM
................uguaaaAauccuacacucucagc........................................  4     1   GDM
................uguaaacauccuacacucucagA........................................  227   1   GDM
................uguaaacauUcuacacucucagc........................................  18    1   GDM
................uguaGacauccuacacucucagc........................................  26    1   GDM
................uguaaacGuccuacacucucagc........................................  29    1   GDM
................uguaaacauUcuacacucucagc........................................  18    1   GDM
................uguaaacauccuacacucuAagc........................................  2     1   GDM
accaugcuguagugug.uguaaacauccuaUacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga  5     1   GDM
................uguaUacauccuacacucucagc........................................  5     1   GDM
```

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga

Sequence			
..................uguaaUcauccuacacucucagc..	4	1	GDM
..................uguaaaAauccuacacucucagc..	4	1	GDM
..................uguaaacauccuacacAcucagc..	7	1	GDM
..................uguaaacauccuacacucucagU..	1004	1	GDM
..................uguaaacauccuacacucucaUc..	1	1	GDM
..................uguaaacaucUuacacucucagc..	4	1	GDM
..................uguaaCcauccuacacucucagc..	19	1	GDM
..................uguaaacaCccuacacucucagc..	38	1	GDM
..................uguaaacauccuacaGucucagc..	2	1	GDM
..................uguaaGcauccuacacucucagc..	21	1	GDM
..................uguaaCcauccuacacucucagc..	19	1	GDM
..................uguaaacauccCacacucucagc..	30	1	GDM
..................uguaaacauccuacacuUucagc..	2	1	GDM
..................uguaaacauccCacacucucagc..	30	1	GDM
..................Cguaaacauccuacacucucagc..	27	1	GDM
..................uguaaacauccuacGcucucagc..	20	1	GDM
..................uguaUacauccuacacucucagc..	5	1	GDM
..................ugAaaacauccuacacucucagc..	4	1	GDM
..................uguaaacauccuacacucucGgc..	17	1	GDM
..................ugCaaacauccuacacucucagc..	25	1	GDM
..................uguaaacauccAacacucucagc..	11	1	GDM
..................uguaaacaGccuacacucucagc..	3	1	GDM
..................uguaaacauccuacGcucucagc..	20	1	GDM
..................Cguaaacauccuacacucucagc..	27	1	GDM
..................uguaaacauccuGcacucucagc..	15	1	GDM
..................uguaaacauccuacaGucucagc..	2	1	GDM
..................uguaaacaucUuacacucucagc..	4	1	GDM
..................uguaaacauccuacacucCcagc..	31	1	GDM
..................uguaaacauccuacaUucucagc..	8	1	GDM
..................uguCaacauccuacacucucagc..	1	1	GDM
..................uguaaacauccuacacucucagc..	5015	0	GDM
..................uguaaacauccuacacucucagA..	227	1	GDM
..................uguaaacauccuacacucucGgc..	17	1	GDM
..................ugCaaacauccuacacucucagc..	25	1	GDM
..................uguaaacaCccuacacucucagc..	38	1	GDM
..................uguaaacauccuacacuAucagc..	1	1	GDM
..................ugGaaacauccuacacucucagc..	6	1	GDM
..................uguaaacaucUuacacucucagc..	4	1	GDM
..................uguaaacauccuacacucuCggc..	17	1	GDM
..................uguaaacauccuacacucAcagc..	9	1	GDM
..................uguaaacauccuacGcucucagc..	20	1	GDM
..................uguaaacauccAacacucucagc..	11	1	GDM
..................uguaCacauccuacacucucagc..	3	1	GDM
..................uguaaacauccuacacucucagU..	1004	1	GDM
..................uguaaacauccuacacucCcagc..	31	1	GDM
..................uguaaacauccuacacucucagA..	227	1	GDM
..................uguaaUcauccuacacucucagc..	4	1	GDM
..................uguaaacauccuacUcucucagc..	5	1	GDM
..................uguaaacaCccuacacucucagc..	38	1	GDM
..................uguaaacauccuacacCcucagc..	27	1	GDM
..................uguaaacauccuacUcucucagc..	5	1	GDM
..................uAuaaacauccuacacucucagc..	14	1	GDM
..................uguaaacauccuacacCcucagc..	27	1	GDM
..................uguaaacauccuGcacucucagc..	15	1	GDM
..................uguaaacauccuacacucucaCc..	1	1	GDM
..................uguaaacauccuacacucuUagc..	11	1	GDM
..................uguaaacauccuacaAucucagc..	2	1	GDM
..................ugGaaacauccuacacucucagc..	6	1	GDM
..................uguaaacauccuacacAcucagc..	7	1	GDM
..................uguaaacauccuacaAucucagc..	2	1	GDM
..................uguaaacauccuacaUucucagcu...	6	1	GDM
..................uguaaacauccGacacucucagcu...	5	1	GDM
..................uguaaCcauccuacacucucagcu...	18	1	GDM
..................uguaaCcauccuacacucucagcu...	18	1	GDM
..................uguaaacauccuacacucuGgcu...	31	1	GDM
..................Aguaaacauccuacacucucagcu...	12	1	GDM
..................uguaaacUuccuacacucucagcu...hsa-miR-30c-1-3p............	5	1	GDM
accaugcuguagugug..uguaaacUuccuacacucucagcu...ugugagcucaagguggcugggagagggguuguuuacuccuucugccaugga	5	1	GDM
..................uguaaacauccuGcacucucagcu...	31	1	GDM

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaaggugg cugggagagggguuguuuacucc uucugccaugga

```
...............uguaaacauccuacacGcucagcu..........................................   1      1   GDM
...............uguaaacauccuacaUucucagcu..........................................   6      1   GDM
...............uguaaacauccuacacucucagcC.........................................  647     1   GDM
...............ugGaaacauccuacacucucagcu..........................................   6      1   GDM
...............uguaaacauccuacacucuUagcu..........................................  10     1   GDM
...............uguaaacauccuacacuUucagcu..........................................   8      1   GDM
...............ugAaaacauccuacacucucagcu..........................................   6      1   GDM
...............Gguaaacauccuacacucucagcu..........................................   4      1   GDM
...............uguaaacauccuacacuUucagcu..........................................   8      1   GDM
...............ugCaaacauccuacacucucagcu..........................................  29     1   GDM
...............uguaaacauccuacacucucaUcu..........................................   2      1   GDM
...............uguaaacauUcuacacucucagcu..........................................  62     1   GDM
...............uguaaacauccuacacucucGgcu..........................................  31     1   GDM
...............uAuaaacauccuacacucucagcu..........................................  18     1   GDM
...............uguaaaAauccuacacucucagcu..........................................   4      1   GDM
...............uguaaacauccuacaAucucagcu..........................................   3      1   GDM
...............uguaaacGuccuacacucucagcu..........................................  32     1   GDM
...............uguaaacauccCacacucucagcu..........................................  31     1   GDM
...............uAuaaacauccuacacucucagcu..........................................  18     1   GDM
...............uguUaacauccuacacucucagcu..........................................   6      1   GDM
...............uguaaacauccuacacucucaUcu..........................................   2      1   GDM
...............uguaaacauccuacGcucucagcu..........................................  26     1   GDM
...............uguaaacauccuacacCcucagcu..........................................  37     1   GDM
...............uguaaacauccuacacucucagcA.........................................  555     1   GDM
...............uguaaacauccuacacucCcagcu..........................................  38     1   GDM
...............uguaaacauccuacUcucucagcu..........................................   5      1   GDM
...............uguaaacauccuacUcucucagcu..........................................   5      1   GDM
...............uguaaacauccuacGcucucagcu..........................................  26     1   GDM
...............uguaaacauccuacacucucagUu..........................................  15     1   GDM
...............uguaaacauccuacacucuUagcu..........................................  10     1   GDM
...............uguaaacauccuacacucucagcu.........................................  7091    0   GDM
...............uguaaacauccuacacucucagUu..........................................  15     1   GDM
...............uguaaacauccCacacucucagcu..........................................  31     1   GDM
...............ugGaaacauccuacacucucagcu..........................................   6      1   GDM
...............uguaaacauccuUcacacucucagcu.........................................  12     1   GDM
...............uguaaacauccAacacucucagcu..........................................   5      1   GDM
...............uguaaacauccuacaUucucagcu..........................................   6      1   GDM
...............Cguaaacauccuacacucucagcu..........................................  44     1   GDM
...............uguaaacGuccuacacucucagcu..........................................  32     1   GDM
...............Cguaaacauccuacacucucagcu..........................................  44     1   GDM
...............uguaaacaAccuacacucucagcu..........................................   5      1   GDM
...............uguaaacauccuacacucucagcu.........................................  7091    0   GDM
...............uguaaacaCccuacacucucagcu..........................................  43     1   GDM
...............uguaaacauccuacacucucagGu..........................................   2      1   GDM
...............uguaaacauccuCcacacucucagcu.........................................   1      1   GDM
...............uguaaacauccGacacucucagcu..........................................   5      1   GDM
...............uAuaaacauccuacacucucagcu..........................................  18     1   GDM
...............uguaaacauccuacacucucaAcu..........................................  10     1   GDM
...............uguaaacUuccuacacucucagcu..........................................   5      1   GDM
...............uguaaacauccuacacucGcagcu..........................................   2      1   GDM
...............uguaaacCuccuacacucucagcu..........................................   4      1   GDM
...............uguaaacauccuacacucucaCcu..........................................   1      1   GDM
...............uguaaacauccuaAacucucagcu..........................................   2      1   GDM
...............uguaaacauccuacacucuAagcu..........................................   3      1   GDM
...............Aguaaacauccuacacucucagcu..........................................  12     1   GDM
...............uguaaacauccuacGcucucagcu..........................................  26     1   GDM
...............Cguaaacauccuacacucucagcu..........................................  44     1   GDM
...............uguaaacauccuacacucuAagcu..........................................   3      1   GDM
...............uguaGacauccuacacucucagcu..........................................  32     1   GDM
...............uguaaacauccuacacucucagcG..........................................  55     1   GDM
...............uguaaacaGccuacacucucagcu..........................................   4      1   GDM
...............uguaaacauccuacacucucagcA.........................................  555     1   GDM
...............uguaaacauccuacacucucagcG..........................................  55     1   GDM
...............uguaaacauAcuacacucucagcu..........................................   3      1   GDM
...............uguaaacauccuacacuAucagcu..........................................   1      1   GDM
...............uguaaacauccuacacucAcagcu..........................................  11     1   GDM
...............uguaaacauUcuacacucucagcu..........................................  62     1   GDM
accaugcuguagugug.uguaaacauccuacacucucagcA.........................................  555     1   GDM
...............uguaaacauccuacacucuUgcu..........................................   5      1   GDM
```

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga

Sequence	Count	Mismatch	Group
...............uguGaacauccuacacucucagcu..	19	1	GDM
...............uguaaacaGccuacacucucagcu..	4	1	GDM
...............uguaaacauAcuacacucucagcu..	3	1	GDM
...............uguaaacauccuacacucuAagcu..	3	1	GDM
...............uguaaaUauccuacacucucagcu..	9	1	GDM
...............uguaaacauccuacacucucagcC..	647	1	GDM
...............uguaaacauccuaUacucucagcu..	8	1	GDM
...............uguaaacauccuacacCcucagcu..	37	1	GDM
...............uguaGacauccuacacucucagcu..	32	1	GDM
...............uguaaacauccuacacuUucagcu..	8	1	GDM
...............uguaaacauccuUcacucucagcu..	12	1	GDM
...............uguaaacauccuacacucuUagcu..	10	1	GDM
...............uguaaacauccuacacucCcagcu..	38	1	GDM
...............uguaaGcauccuacacucucagcu..	40	1	GDM
...............uguaaGcauccuacacucucagcu..	40	1	GDM
...............uCuaaacauccuacacucucagcu..	2	1	GDM
...............uguaaacauccuacacucucaAcu..	10	1	GDM
...............uguaaacauccuUcacucucagcu..	12	1	GDM
...............uguCaacauccuacacucucagcu..	2	1	GDM
...............uguaaacaucUuacacucucagcu..	12	1	GDM
...............uguaaacauccuacCcucucagcu..	4	1	GDM
...............uguaaacauccuacacucuUgcu..	5	1	GDM
...............uguaaacaucUuacacucucagcu..	12	1	GDM
...............uguaaacauccGacacucucagcu..	5	1	GDM
...............uguaGacauccuacacucucagcu..	32	1	GDM
...............uguaaacauccCacacucucagcu..	31	1	GDM
...............uguaaUcauccuacacucucagcu..	4	1	GDM
...............ugAaaacauccuacacucucagcu..	6	1	GDM
...............uguaUacauccuacacucucagcu..	7	1	GDM
...............uguaaacGuccuacacucucagcu..	32	1	GDM
...............uguaaacauccuaAacucucagcu..	2	1	GDM
...............uguaaacauccAacacucucagcu..	5	1	GDM
...............uguaaacauccuacacAcucagcu..	12	1	GDM
...............uguaaUcauccuacacucucagcu..	4	1	GDM
...............uguaaacauccuacacucucagcu..	7091	0	GDM
...............uguaaacauccuacacucucagcG..	55	1	GDM
...............uguaaacauccuGcacucucagcu..	31	1	GDM
...............uguaaacauccuacacucucaAcu..	10	1	GDM
...............uguaaaAauccuacacucucagcu..	4	1	GDM
...............uguaaacaucUuacacucucagcu..	12	1	GDM
...............uguaaacaCccuacacucucagcu..	43	1	GDM
...............uguaaacaGccuacacucucagcu..	4	1	GDM
...............uguGaacauccuacacucucagcu..	19	1	GDM
...............uguaaacaAccuacacucucagcu..	5	1	GDM
...............uguaaacauccuaUacucucagcu..	8	1	GDM
...............uguaaCcauccuacacucucagcu..	18	1	GDM
...............uguaaacauccuacacucAcagcu..	11	1	GDM
...............uguaaacauccuacacucucagcC..	647	1	GDM
...............uguaaacauccuacacucucagUu..	15	1	GDM
...............uguGaacauccuacacucucagcu..	19	1	GDM
...............uguaaGcauccuacacucucagcu..	40	1	GDM
...............uguaaaUauccuacacucucagcu..	9	1	GDM
...............uguaaacauccuacaAucucagcu..	3	1	GDM
...............uguaaacauccuacacucCcagcu..	38	1	GDM
...............uguaaacauccuaUacucucagcu..	8	1	GDM
...............ugCaaacauccuacacucucagcu..	29	1	GDM
...............uguaaacCuccuacacucucagcu..	4	1	GDM
...............uguaaacauAcuacacucucagcu..	3	1	GDM
...............uguaUacauccuacacucucagcu..	7	1	GDM
...............uguaaaUauccuacacucucagcu..	9	1	GDM
...............uguaaacauccuacacucucUgcu..	5	1	GDM
...............Gguaaacauccuacacucucagcu..	4	1	GDM
...............uguaaacauccuacacAcucagcu..	12	1	GDM
...............uguaaacauccuGcacucucagcu..	31	1	GDM
...............uguaaacauccuacCcucucagcu..	4	1	GDM
...............uguUaacauccuacacucucagcu..	6	1	GDM
...............uguaaacauccuacUcucucagcu..	5	1	GDM
accaugcuguagugug...ugCaaacauccuacacucucagcuugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga	29	1	GDM
...............uguaaacauccuacacucucagGu..	2	1	GDM

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga

Sequence	Count	Flag	Set
...............................uguaaacauccuacacucucGgcu...	31	1	GDM
...............................uguaaacauUcuacacucucagcu...	62	1	GDM
...............................uguaaacauccuacacucAcagcu...	11	1	GDM
...............................uguaaacauccuacacAcucagcu...	12	1	GDM
...............................Aguaaacauccuacacucucagcu...	12	1	GDM
...............................uguaaacaCccuacacucucagcu...	43	1	GDM
...............................uguaUacauccuacacucucagcu...	7	1	GDM
...............................uguaaacauccuacacCcucagcu...	37	1	GDM
...............................uguaaacauccuacacucucagcuU..	37	1	GDM
...............................uguaaacauccuacacucucagcuU..	37	1	GDM
...............................uguaaacauccuacacucucagcuA..	13	1	GDM
...............................uguaaacauccuacacucucagcuA..	13	1	GDM
...............................uguaaacauccuacacucucagcuA..	13	1	GDM
...............................uguaaacauccuacacucucagcuU..	37	1	GDM
...............................uguaaacauccuacacucucagcugC...	1	1	GDM
...............................uguaaacauccuacacucucagcuUu...	7	1	GDM
...............................uguaaacauccuacacucucagcugA...	3	1	GDM
...............................uguaaacauccuacacucucagcugu...	13	0	GDM
...............................uguaaacauccuacacucucagcugu...	13	0	GDM
...............................uguaaacauccuacacucucagcugA...	3	1	GDM
...............................uguaaacauccuacacucucagcugu...	13	0	GDM
...............................uguaaacauccuacacucucagcuUu...	7	1	GDM
...............................guaaacaGccuacacucuca..	1	1	GDM
...............................guaaacauccuacacucucagA..	1	1	GDM
....cugggagaggguuguuuaG...............	1	1	GDM
....cugggagaggguuguuuacu..............	9	0	GDM
....cugggagaggguuguuuacu..............	9	0	GDM
....cugggagaggguCguuuacu..............	1	1	GDM
....cugggagaggguuguuuacC..............	1	1	GDM
....cugggagaggguuguuuacuU.............	2	1	GDM
....cugggagaggguuguuuacuc.............	1	0	GDM
....cugggagaggguuguuuacucU............	1	1	GDM
.............Auguaaacauccuacacucuca...	1	1	Z1_
.............Auguaaacauccuacacucucagcu..	3	1	Z1_
...............................uguaaacauccuacacuc.....................................	1	0	Z1_
...............................uguaaacauccuacacucu....................................	2	0	Z1_
...............................uguaaacauccuacacucuc...................................	239	0	Z1_
...............................uguaaacauccuacacucCc...................................	1	1	Z1_
...............................uguaaacauccuacGcucuc...................................	2	1	Z1_
...............................uguaaacauccuacacucuA...................................	3	1	Z1_
...............................uguaaacauccuacaUucuc...................................	1	1	Z1_
...............................uguCaacauccuacacucuc...................................	2	1	Z1_
...............................uguaaacaCccuacacucuc...................................	2	1	Z1_
...............................uguaaacauccuGcacucuc...................................	4	1	Z1_
...............................uguaaacauccuacacucuU...................................	28	1	Z1_
...............................uguaaacauccAacacucuc...................................	1	1	Z1_
...............................uguaaacauccuacacAcuc...................................	1	1	Z1_
...............................uguaaCcauccuacacucuc...................................	1	1	Z1_
...............................uguaaacauccuacacCcuc...................................	1	1	Z1_
...............................uguaaacaCccuacacucuca..................................	5	1	Z1_
...............................uguaaacauccuacacucucG..................................	1	1	Z1_
...............................uguaaaUauccuacacucuca..................................	1	1	Z1_
...............................uguaGacauccuacacucuca..................................	1	1	Z1_
...............................uguaaGcauccuacacucuca..................................	1	1	Z1_
...............................Cguaaacauccuacacucuca..................................	1	1	Z1_
...............................ugCaaacauccuacacucuca..................................	2	1	Z1_
...............................uguaaacauccuacacuAuca..................................	1	1	Z1_
...............................uguaaacGuccuacacucuca..................................	1	1	Z1_
...............................uguaaacauccuacGcucuca..................................	1	1	Z1_
...............................uguaaacauccuacacucuca..................................	240	0	Z1_
...............................uguaaacauccCacacucuca..................................	3	1	Z1_
...............................uguaaacauccuacacCcuca..................................	2	1	Z1_
...............................uguaaacauccAacacucuca..................................	3	1	Z1_
...............................uguaaacaucUuacacucuca..................................	1	1	Z1_
...............................uguGaacauccuacacucuca..................................	1	1	Z1_
...............................uguaaacGuccuacacucucag.................................	3	1	Z1_
accaugcuguagugug..........uguaaacauccuacacucucGg..	1	1	Z1_
...............................uguaaacauccuacacucucaA.................................	4	1	Z1_

accaugcuguaguguguguaaacauccuacacucucagcugugagcucaagguggcugggagaggguuguuuacuccuucugccaugga

```
...............uguaaacauccuacacCcucag.........................................    1      1    Z1_
...............uguaaacauccuacacucucaU.........................................    4      1    Z1_
...............uguaaacauccCacacucucag.........................................    1      1    Z1_
...............uguaaacauccuacacucCcag.........................................    2      1    Z1_
...............uguaaacauccuacacucucag.........................................   99      0    Z1_
...............Aguaaacauccuacacucucag.........................................    1      1    Z1_
...............Cguaaacauccuacacucucag.........................................    3      1    Z1_
...............uguaaacauccuacacucucGgc.........................................   15      1    Z1_
...............uguaaacauccuacacucucaUc.........................................    1      1    Z1_
...............uguaaacauccuacacucucagA.........................................  130      1    Z1_
...............uguaaacauccuacacucucagc......................................... 3899      0    Z1_
...............uguaaacauccuacacGcucagc.........................................   10      1    Z1_
...............uguaaaUauccuacacucucagc.........................................    2      1    Z1_
...............uguaaacauccuacUcucucagc.........................................    4      1    Z1_
...............uguaaacauccuUcacucucagc.........................................    2      1    Z1_
...............Gguaaacauccuacacucucagc.........................................    2      1    Z1_
...............ugCaaacauccuacacucucagc.........................................   22      1    Z1_
...............uguaCacauccuacacucucagc.........................................    1      1    Z1_
...............uguaaacauccuacacucAcagc.........................................    4      1    Z1_
...............uguaaacauccuacacucucCgc.........................................    3      1    Z1_
...............uguaaacauccuacacucCcagc.........................................   25      1    Z1_
...............uguaaacauccuacacCcucagc.........................................   22      1    Z1_
...............uguaaacauccuacacucucaAc.........................................    3      1    Z1_
...............uguaUacauccuacacucucagc.........................................    2      1    Z1_
...............uguaaacauccuaUacucucagc.........................................    9      1    Z1_
...............uguaGacauccuacacucucagc.........................................   20      1    Z1_
...............uguaaUcauccuacacucucagc.........................................    2      1    Z1_
...............uguGaacauccuacacucucagc.........................................   17      1    Z1_
...............uguaaacaCccuacacucucagc.........................................   25      1    Z1_
...............uguaaacauccuacacuUucagc.........................................    5      1    Z1_
...............uguaaGcauccuacacucucagc.........................................   15      1    Z1_
...............ugGaaacauccuacacucucagc.........................................   15      1    Z1_
...............uguaaacGuccuacacucucagc.........................................   10      1    Z1_
...............Cguaaacauccuacacucucagc.........................................   27      1    Z1_
...............uguaaacauccCacacucucagc.........................................   25      1    Z1_
...............uguaaCcauccuacacucucagc.........................................   10      1    Z1_
...............uguaaacaAccuacacucucagc.........................................    4      1    Z1_
...............uguaaacauUcuacacucucagc.........................................   18      1    Z1_
...............uguaaacauccuacacucucUgc.........................................    2      1    Z1_
...............uguaaacauccuacaUucucagc.........................................    2      1    Z1_
...............uguaaacauccuacacucucagU......................................... 716      1    Z1_
...............uguaaacaGccuacacucucagc.........................................    1      1    Z1_
...............uguaaacauccuacacAcucagc.........................................    2      1    Z1_
...............uguaaacauccuacacucuUagc.........................................    4      1    Z1_
...............uAuaaacauccuacacucucagc.........................................    8      1    Z1_
...............uguaaacauccuacacucucagG.........................................    7      1    Z1_
...............uguaaacCuccuacacucucagc.........................................    4      1    Z1_
...............uguCaacauccuacacucucagc.........................................    2      1    Z1_
...............uguaaacauccuGcacucucagc.........................................   11      1    Z1_
...............Aguaaacauccuacacucucagc.........................................    9      1    Z1_
...............uguaaaccAacacucucagc.........................................       5      1    Z1_
...............uguaaacauccuCcacucucagc.........................................    1      1    Z1_
...............uguUaacauccuacacucucagc.........................................    4      1    Z1_
...............uguaCacauccuacacucucagcu........................................    4      1    Z1_
...............uguaaacauccuGcacucucagcu........................................   14      1    Z1_
...............uguaaacaAccuacacucucagcu........................................    8      1    Z1_
...............uguaaacauccuacacucuUagcu........................................    7      1    Z1_
...............uguaaacauccuacacAcucagcu........................................    3      1    Z1_
...............uguaaacauccuacacucuAagcu........................................    1      1    Z1_
...............uguCaacauccuacacucucagcu........................................    5      1    Z1_
...............uguaaacauccuacacucucagcG........................................   46      1    Z1_
...............Cguaaacauccuacacucucagcu........................................   23      1    Z1_
...............uguaaacauAcuacacucucagcu........................................    2      1    Z1_
...............uguaaacauccuaDacucucagcu........................................    1      1    Z1_
...............uguaaacauccuacaAucucagcu........................................    1      1    Z1_
...............uguaaacaucUuacacucucagcu........................................    4      1    Z1_
...............uguaaaUauccuacacucucagcu........................................    5      1    Z1_
accaugcuguagugug uguaaacauccuUcacucucagcu ugugagcucaaggugg cugggagaggguuguuuacucc uucugccaugga    3      1    Z1_
...............uguGaacauccuacacucucagcu........................................   16      1    Z1_
```

```
accaugcuguagugug uguaaacauccuacacucucagc ugugagcucaaggugg cgggagaggguuguuuacucc uucugccaugga

...........................uguaaacauccuacacucAcagcu.........................................  11    1   Z1_
...........................ugCaaacauccuacacucucagcu.........................................  20    1   Z1_
...........................uguaUacauccuacacucucagcu.........................................  7     1   Z1_
...........................ugGaaacauccuacacucucagcu.........................................  10    1   Z1_
...........................uguaGacauccuacacucucagcu.........................................  22    1   Z1_
...........................uguaaacaGccuacacucucagcu.........................................  1     1   Z1_
...........................uguaaacauccuacacucucagcu.........................................  4655  0   Z1_
...........................uguaaacUuccuacacucucagcu.........................................  2     1   Z1_
...........................uguaaacauccuacacuAucagcu.........................................  2     1   Z1_
...........................uguaaacauccuacGcucucagcu.........................................  21    1   Z1_
...........................Gguaaacauccuacacucucagcu.........................................  1     1   Z1_
...........................uguaaCcauccuacacucucagcu.........................................  11    1   Z1_
...........................uguaaacaucGuacacucucagcu.........................................  1     1   Z1_
...........................uguaaacCuccuacacucucagcu.........................................  3     1   Z1_
...........................uguaaacGuccuacacucucagcu.........................................  20    1   Z1_
...........................uAuaaacauccuacacucucagcu.........................................  15    1   Z1_
...........................ugAaaacauccuacacucucagcu.........................................  3     1   Z1_
...........................uguaaacauccuacUcucucagcu.........................................  1     1   Z1_
...........................uguaaacauccuacacucucGgcu.........................................  19    1   Z1_
...........................uguaaacauccuacaUucucagcu.........................................  4     1   Z1_
...........................uguaaacauccuacacucucaUcu.........................................  1     1   Z1_
...........................uguaaacaCccuacacucucagcu.........................................  21    1   Z1_
...........................uguaaacauccuacacucucagcC.........................................  437   1   Z1_
...........................uguaaacauccAacacucucagcu.........................................  5     1   Z1_
...........................uguaaacauccuacacCcucagcu.........................................  24    1   Z1_
...........................uguaaacauccuaAacucucagcu.........................................  1     1   Z1_
...........................uguaaacauccuacacucCcagcu.........................................  26    1   Z1_
...........................uguaaacauccuacacucucaCcu.........................................  1     1   Z1_
...........................uguaaacauccuacacucucCgcu.........................................  2     1   Z1_
...........................uguaaacauccuacacucucagcA.........................................  291   1   Z1_
...........................uguaaacauccuacacucucagUu.........................................  5     1   Z1_
...........................uguaaacauUcuacacucucagcu.........................................  37    1   Z1_
...........................uguaaUcauccuacacucucagcu.........................................  1     1   Z1_
...........................Aguaaacauccuacacucucagcu.........................................  6     1   Z1_
...........................uguaaacauccuacacucucaAcu.........................................  10    1   Z1_
...........................uguaaacauccuaUacucucagcu.........................................  10    1   Z1_
...........................uguaaGcauccuacacucucagcu.........................................  28    1   Z1_
...........................uguaaacauccCacacucucagcu.........................................  16    1   Z1_
...........................uguaaacaucAuacacucucagcu.........................................  1     1   Z1_
...........................uguaaacauccuacacuUucagcu.........................................  2     1   Z1_
...........................uguaaacauccuacacucucUgcu.........................................  5     1   Z1_
...........................uguaaacauGcacacucucagcu.........................................  1     1   Z1_
...........................uguaaacauccuacacucucagcuU........................................  10    1   Z1_
...........................uguaaacauccuacacucucagcuA........................................  3     1   Z1_
...........................uguaaacauccuacacucucagcug........................................  3     0   Z1_
...........................uguaaacauccuacacucucagcugu.......................................  18    0   Z1_
...........................uguaaacauccuGcacucucagcugu.......................................  2     1   Z1_
...........................uguaaacauccuacacucucagcuUu.......................................  7     1   Z1_
...........................uguaaacauccuacacucucagcugC.......................................  1     1   Z1_
.........................uGaacauccuacacucucagcu.............................................  1     1   Z1_
...............................................cugggagaggguuguuuacu.........................  14    0   Z1_
...............................................cugggagaggguuguuuacuc........................  1     0   Z1_

...........................uguaaacauccuacacucuc............................................  2     0   Z3_
.........................Cguaaacauccuacacucuc..............................................  1     1   Z3_
...........................uguaaacauccuacacucuA............................................  2     1   Z3_
...........................uguaaacauccuacacucuU............................................  20    1   Z3_
...........................uguaaacauccuacacucuc............................................  67    0   Z3_
...........................uguaaacauccuGcacucuc............................................  1     1   Z3_
.........................Aguaaacauccuacacucuc..............................................  1     1   Z3_
...........................uguaaacauccuacacCcuca...........................................  1     1   Z3_
.........................Cguaaacauccuacacucuca.............................................  2     1   Z3_
...........................uguaaacauUcuacacucuca...........................................  1     1   Z3_
...........................uguaaacauccuacacucuca...........................................  158   0   Z3_
.........................Gguaaacauccuacacucuca.............................................  1     1   Z3_
...........................uguaaGcauccuacacucuca...........................................  3     1   Z3_
...........................uguaaacGuccuacacucuca...........................................  1     1   Z3_
accaugcuguaguguguguaaacauccuacacucucC ugugagcucaaggugg cgggagaggguuguuuacucc uucugccaugga  1     1   Z3_
...........................uguaaacaCccuacacucuca...........................................  2     1   Z3_
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hsa-miR-30c-5p

hsa-miR-30c-1-3p

accaugcuguagugug uguaaacauccuacacucucagc ugugagcucaaggugg cugggagagggguuguuuacucc uucugccaugga

Sequence	Count		
................ugCaaacauccuacacucuca...	1	1	Z3_
................uguaaacauAcuacacucuca...	1	1	Z3_
................uguaaacauccuacacucucU...	4	1	Z3_
................uguaaacauccuacacucucaA..	3	1	Z3_
................uguaaacauccuacacucucag..	60	0	Z3_
................uguaGacauccuacacucucag..	1	1	Z3_
................uguaaacauccuacacCcucag..	2	1	Z3_
................Aguaaacauccuacacucucag..	1	1	Z3_
................uguaaUcauccuacacucucag..	1	1	Z3_
................uguaaacGuccuacacucucag..	1	1	Z3_
................uguaaacaCccuacacucucag..	1	1	Z3_
................uguaaacauUcuacacucucagc...	4	1	Z3_
................uguaaacauccuacacucucagA...	88	1	Z3_
................uguaaacauccuacacucucaAc...	3	1	Z3_
................uguaaacauccuUcacacucucagc.......................................	1	1	Z3_
................uguaaacauccuacacucucagG...	9	1	Z3_
................uguaaacauccGacacucucagc...	1	1	Z3_
................uguaaacauccuacacucucaUc...	1	1	Z3_
................Cguaaacauccuacacucucagc...	10	1	Z3_
................uguaaacauccuacaUucucagc...	2	1	Z3_
................uguCaacauccuacacucucagc...	1	1	Z3_
................uguaGacauccuacacucucagc...	6	1	Z3_
................uguaaacauccuacacucAcagc...	2	1	Z3_
................uguaaacauccAacacucucagc...	1	1	Z3_
................uguaaacauccuacacucCcagc...	3	1	Z3_
................uguaaaUauccuacacucucagc...	2	1	Z3_
................Gguaaacauccuacacucucagc...	1	1	Z3_
................uguaaacaCcuacacucucagc...	6	1	Z3_
................ugCaaacauccuacacucucagc...	6	1	Z3_
................uguaaacauccuacacucucagU...	288	1	Z3_
................uguaaacauccCacacucucagc...	5	1	Z3_
................uguaaacGuccuacacucucagc...	2	1	Z3_
................Aguaaacauccuacacucucagc...	1	1	Z3_
................ugGaaacauccuacacucucagc...	1	1	Z3_
................uguGaacauccuacacucucagc...	1	1	Z3_
................uguaaacauccuacacucucagc...	1272	0	Z3_
................uguaaacauccuacacCcucagc...	7	1	Z3_
................uguaaacauccuacGcucagc..	1	1	Z3_
................uguaaGcauccuacacucucagc...	6	1	Z3_
................uguaaacauccuacacAcucagc...	2	1	Z3_
................uguaaacaAccuacacucucagc...	2	1	Z3_
................uguaaacaucUuacacucucagc...	1	1	Z3_
................uguaaacauccuGcacucucagc...	2	1	Z3_
................uguaaacauccuacacucuCggc...	7	1	Z3_
................uAuaaacauccuacacucucagc...	2	1	Z3_
................uguaaacauccuacacucuUagc...	3	1	Z3_
................uguaaacauccuaUacucucagc...	1	1	Z3_
................uguaaCcauccuacacucucagc...	6	1	Z3_
................uguaaacauccuacacucCcagcu..	17	1	Z3_
................uguaaGcauccuacacucucagcu..	20	1	Z3_
................uguaaacaAccuacacucucagcu..	5	1	Z3_
................uguGaacauccuacacucucagcu..	6	1	Z3_
................uguaaacauccuacacucucagcG..	23	1	Z3_
................uguCaacauccuacacucucagcu..	1	1	Z3_
................uguaUacauccuacacucucagcu..	2	1	Z3_
................uguaaacauccCacacucucagcu..	9	1	Z3_
................uguaCacauccuacacucucagcu..	1	1	Z3_
................uguaaacauccuacaAucucagcu..	1	1	Z3_
................uguaaacauccuacacucuCggcu..	9	1	Z3_
................uguaaacauccuacUcucucagcu..	4	1	Z3_
................uguaaacauccuacacucucagUu..	7	1	Z3_
................uguaaacauccuaUacucucagcu..	5	1	Z3_
................uguaaacauccuacacucucagcC..	292	1	Z3_
................uguaaCcauccuacacucucagcu..	5	1	Z3_
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................uguaaacauccuacaUucucagcu..	6	1	Z3_
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................uguaaacaucUuacacucucagcu..	4	1	Z3_

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