```
miRBase precursor
                              : bta-mir-99a
                              : 74100
     Total read count
                                                          hsa-miR-99a-5p read count: 1482
     hsa-miR-99a-3p read count: 0
     mmu-miR-99a-5p read count 1482
     rno-miR-99a-5p read count: 1482
     gga-miR-99a-5p read count: 1482
     gga-miR-99a-3p read count: 0
     dre-miR-99 read count
                             : 1482
     mml-miR-99a-5p read count 1482
     mml-miR-99a-3p read count 0
     ptr-miR-99a read count
     ggo-miR-99a read count : 1482
     ppy-miR-99a read count : 1482
     lla-miR-99a read count
                              : 1482
     mne-miR-99a read count : 1482
     ppa-miR-99a read count : 1482
     bta-miR-99a-5p read count: 1482
     bta-miR-99a-3p read count: 0
  freq.
Xtr-miR-99 read count
    Can-miR-99-5p read count · 1482
     cfa-miR-99a read count : 1482
     eca-miR-99a re<mark>a</mark>d count :1482
0.75 sc-miR-99a-51 read count : 1482
ssc-miR-99a-31 read count : 0
 0.5 gu-miR-99-5p read count : 1482
     tgu-miR-99-3p read count: 0
     aca-miR-99a-5<mark>p</mark> read count:1482
0.25 aca-miR-99a-3p read count : 0
     cgr-miR-99a-5<mark>p read count:1482</mark>
  o cgr-miR-99a-3p read count · 0
     ccr-miR-99 read count
                                                                                    length
     ipu-miR-99a read count
                              : 1482
     oar-miR-99a read count
                              1482
                                                        cgr-miR-99a-3p
     ssa-miR-99-5pgreachcounta-5p482
     efu-miR-99a read count : 1482
                                                        chi-miR-99a-3p
     cpi-miR-99a-5pread count: 1482
     cpi-miR-99a-3ригеад коми5р0
     ami-miR-99a-5p readrecount; 1482
     ami-miR-99a-3p readscount: 0
     cli-miR-99-5p amad\mathbf{mac}ounta-5\mathbf{1}482
     cli-miR-99-3p read count : 0
                                                        dno-miR-99a-3p
     pbv-miR-99a-5preadreount: 1482
     chi-miR-99a-5percad count: 1482
     chi-miR-99a-3paread count-50
     tch-miR-99a-5pread count-51482
     oha-miR-99a-5ps cendre count 51 482
     cja-miR-99 reacteomnt-99a: 1482
     pal-miR-99a-5pcread count-5d482
     pal-miR-99a-3paread rountsp0
     abu-miR-99b readmounta : 1482
     mze-miR-99b read count : 1482
                                                        pal-miR-99a-3p
     nbr-miR-99b read-coursesa : 1482
     oni-miR-99b read county 9-5 p 1482
     pny-miR-99b read count : 1482
                                                        aca-miR-99a-3p
     gmo-miR-99-5pcread recurat-51482
     xla\text{-miR-99-5pmcach counta-5p} 482
     cpo-miR-99a-5p read count: 1482
                                                        cli-miR-99-3p
     cpo-miR-99a-3parendrecount: 0
     dno-miR-99a-5preadscounts 1482
     dno-miR-99a-3poeadreount 50
     ocu-miR-99a-5p readrount: 1482
     ocu-miR-99a-3p read count: 0
                                                        gga-miR-99a-3p
     mmr-miR-99a заражения : 1482
     nle-miR-99a read count
                                                        ssc-miR-99a-3p
     sbo-miR-99a read-counts9a: 1482
     pha-miR-99a rend-compt9a-5p482
     oga-miR-99a rend-ecumpsa : 1482
     remaining readscr-miR-99 : 0
                                                        cpo-miR-99a-3p
                                                        hsa-miR-99a-3p
                                                        mml-miR-99a-3p
                                                        ami-miR-99a-3p
                  ggo-miR-99a
                                                        tgu-miR-99-3p
                  chi-miR-99a-5p
                  pbv-miR-99a-5p
                  mze-miR-99b
```

bta-miR-99a-3p

aca-miR-99a-5p

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg8laelpugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
           efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                                hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                                tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                               bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                                ocu-miR-99a-3p
           ppy-miR-99a
                                                cpi-miR-99a-3p
           hsa-miR-99a-5p
```

aacccguagauccgaAcu	5	1	F03
aacccguagauccgaAcuu	7	1	F03
aacccguagauccgaucuug	4	0	F03
aacccguagauccgaAcuug	85	1	F03
aacccguagauccgCucuugu	1	1	F03

cpi-miR-99a-5p oga-miR-99a

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg@laeupugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
          efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                               hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                               tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                               bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                               ocu-miR-99a-3p
           ppy-miR-99a
                                               cpi-miR-99a-3p
```

aacccguagauccgaucuugu	34	0	F03
aacccguagauccgaAcuugu	109	1	F03
aacccguagauccgaucuugC	2	1	F03
aacccguagauccgaucuugug	4	0	F03
aacccguagauccgaAcuugug	107	1	F03

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg8laelpugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
           efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                               cpo-miR-99a-3p
                                               hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                               ami-miR-99a-3p
           ggo-miR-99a
                                               tgu-miR-99-3p
           chi-miR-99a-5p
```

pbv-miR-99a-5p mze-miR-99b

bta-miR-99a-3p

aca-miR-99a-5p
lla-miR-99a
cja-miR-99
pal-miR-99a-5p
cgr-miR-99a
bta-miR-99a
bta-miR-99a
ipu-miR-99a
ipu-miR-99a
ipu-miR-99a
rno-miR-99a
nno-miR-99a

ocu-miR-99a-3p

ppy-miR-99a

ssa-miR-99-5p

cpi-miR-99a-3p

aacccguagauccgaucuugugU	2	1	F03
aacccguagauccgaucuugugA	8	1	F03
aacccguagauccgaAcuugugg	3	1	F03
acccguagauccgaAcuug	1	1	F03
acccguagauccgaAcuugu	2	1	F03

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg8laelpugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
           efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                               cpo-miR-99a-3p
                                               hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                               ami-miR-99a-3p
           ggo-miR-99a
                                               tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                               bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                               ocu-miR-99a-3p
           ppy-miR-99a
                                               cpi-miR-99a-3p
           hsa-miR-99a-5p
```

acccguagauccgaAcuugug	3	1	F03
aaacccguagauccgaucuugC	1	1	F02
aaacccquagauccgaucuugu	4	0	F02
aacccguagauccgaAc	2	1	F02

cpi-miR-99a-5p oga-miR-99a

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg8laelpugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
           efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                                hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                                tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                               bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                                ocu-miR-99a-3p
           ppy-miR-99a
                                                cpi-miR-99a-3p
```

aacccguagauccgaAcu	7	1	F02
aacccguagauccgaAcuu	1	1	F02
aacccguagauccgaGcuug	1	1	F02
aacccguagauccgaAcuug	40	1	F02
aacccguagaucUgaucuugu	1	1	F02

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg@laeupugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                                dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
          efu-miR-99a
                                                pal-miR-99a-3p
           sbo-miR-99a
           qmo-miR-99-5p
                                                aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                                cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                                gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                                hsa-miR-99a-3p
                                                 mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                                tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                                bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
```

bta-miR-99
aca-miR-99a-5p
lla-miR-99a
cja-miR-99
pal-miR-99a-5p
cgr-miR-99a-5p
mne-miR-99a
bta-miR-99a
bta-miR-99b
ppa-miR-99a
mmr-miR-99a

ipu-miR-99a
rno-miR-99a-5p
nle-miR-99a
ssa-miR-99-5p

oga-miR-99a

ocu-miR-99a-3p

cpi-miR-99a-3p

hsa-miR-99a-5p
cpi-miR-99a-5p

 ...aacccguagauccgaGcuugu
 2
 1
 F02

 ...aacccguagauccgaAcuugu
 272
 1
 F02

 ...aacccguagauccgaucuugC
 5
 1
 F02

 ...aacccguagauccgaucuugu
 22
 0
 F02

 ...aaUccguagauccgaucuugu
 1
 1
 F02

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg8laelpugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                                hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                               tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                               bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                               ocu-miR-99a-3p
           ppy-miR-99a
                                                cpi-miR-99a-3p
```

aacccguagauccgaCcuugu	1	1	F02
aacccguagauccgaAcuugug	120	1	F02
aacccguagauccgaucuugug	2	0	F02
aacccguagauccgaucuugugA	13	1	F02
aacccguagauccgaAcuugugg	3	1	F02

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg@laeupugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                                dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
          efu-miR-99a
                                                pal-miR-99a-3p
           sbo-miR-99a
           qmo-miR-99-5p
                                                aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                                cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                                gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                                hsa-miR-99a-3p
                                                 mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                                tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
```

mze-miR-99b

aca-miR-99a-5p

bta-miR-99a-3p

lla-miR-99a cja-miR-99 pal-miR-99a-5p cgr-miR-99a-5p mne-miR-99a bta-miR-99a-5p abu-miR-99b ppa-miR-99a mmr-miR-99a ipu-miR-99a rno-miR-99a-5p

nle-miR-99a ssa-miR-99-5p

ppy-miR-99a cpi-miR-99a-3p

hsa-miR-99a-5p cpi-miR-99a-5p oga-miR-99a

F02 1 F02 1 F02 13 acccquagauccqaAcuuqu..... 1 F02 .....acccguagauccgaAcuugug..... F02

ocu-miR-99a-3p

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gga-miR-99a-5p
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         cli-miR-99-5p
         xla-miR-99-5p
         oni-miR-99b
         ami-miR-99a-5p
                                      dno-miR-99a-3p
         nbr-miR-99b
         xtr-miR-99
         mmu-miR-99a-5p
         cpo-miR-99a-5p
         ssc-miR-99a-5p
         ptr-miR-99a
         ocu-miR-99a-5p
         oan-miR-99-5p
        efu-miR-99a
                                      pal-miR-99a-3p
         sbo-miR-99a
         gmo-miR-99-5p
                                      aca-miR-99a-3p
         tch-miR-99a-5p
         mml-miR-99a-5p
                                      cli-miR-99-3p
         oar-miR-99a
         tgu-miR-99-5p
         dno-miR-99a-5p
         dre-miR-99
                                      gga-miR-99a-3p
         pny-miR-99b
                                      ssc-miR-99a-3p
         eca-miR-99a
         oha-miR-99a-5p
         pha-miR-99a
         ccr-miR-99
                                      cpo-miR-99a-3p
                                      hsa-miR-99a-3p
                                       mml-miR-99a-3p
                                      ami-miR-99a-3p
         ggo-miR-99a
                                      tgu-miR-99-3p
         chi-miR-99a-5p
         pbv-miR-99a-5p
         mze-miR-99b
                                      bta-miR-99a-3p
         aca-miR-99a-5p
         lla-miR-99a
         cja-miR-99
         pal-miR-99a-5p
         cgr-miR-99a-5p
         mne-miR-99a
         bta-miR-99a-5p
         abu-miR-99b
         ppa-miR-99a
         mmr-miR-99a
         ipu-miR-99a
         rno-miR-99a-5p
         nle-miR-99a
         ssa-miR-99-5p
                                      ocu-miR-99a-3p
         ppy-miR-99a
                                      cpi-miR-99a-3p
         hsa-miR-99a-5p
         cpi-miR-99a-5p
         oga-miR-99a
.....aacccguagauccgaAcu......6
.....aacccquagauccqaAcuu.
                                                                  3
.....aacccguagauccgaGcuug.....
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F01

F01 F01

F01

1

1

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cgr-miR-99a-3p
           gga-miR-99a-5p
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           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                                hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                               tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                               bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                               ocu-miR-99a-3p
           ppy-miR-99a
                                                cpi-miR-99a-3p
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aacccguagauccgaAcuug	62	1	F01
aacccguagauccgaucuugC	4	1	F01
aacccguagauccgaAcuugu	334	1	F01
aacccguagauccgaucuugu	21	0	F01
aacccguagauccgaGcuugu	5	1	F01

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cgr-miR-99a-3p
           gga-miR-99a-5p
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           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                                hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                               tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                               bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                               ocu-miR-99a-3p
           ppy-miR-99a
                                                cpi-miR-99a-3p
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aacccguagauccgaucuugG	1	1	F01
aacccgAagauccgaucuugu	1	1	F01
aacccguagauccgaAcuugug	111	1	F01
aacccguagaucUgaucuugug	1	1	F01
aacccguagauccgaAcuugugg	7	1	F01

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg@laeupugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
          efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                                cpo-miR-99a-3p
                                               hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                               tgu-miR-99-3p
           chi-miR-99a-5p
           pbv-miR-99a-5p
           mze-miR-99b
                                               bta-miR-99a-3p
           aca-miR-99a-5p
           lla-miR-99a
           cja-miR-99
           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                               ocu-miR-99a-3p
           ppy-miR-99a
                                               cpi-miR-99a-3p
           hsa-miR-99a-5p
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aacccguagauccgaucuugugU	1	1	F01
aacccguagauccgaucuugugA	11	1	F01
aacccguagauccgaucuuguggA	1	1	F01
acccguagauccgaAcuug	1	1	F01
acccguagauccgaAcuugu	11	1	F01

cpi-miR-99a-5p oga-miR-99a

```
cgr-miR-99a-3p
           gga-miR-99a-5p
cccauuggcauaaacccguagauccgaucuuguggugaaguggaccgcachagminRg8laelpugggucugugucagugug
           cfa-miR-99a
           cli-miR-99-5p
           xla-miR-99-5p
           oni-miR-99b
           ami-miR-99a-5p
                                               dno-miR-99a-3p
           nbr-miR-99b
           xtr-miR-99
           mmu-miR-99a-5p
           cpo-miR-99a-5p
           ssc-miR-99a-5p
           ptr-miR-99a
           ocu-miR-99a-5p
           oan-miR-99-5p
           efu-miR-99a
                                               pal-miR-99a-3p
           sbo-miR-99a
           gmo-miR-99-5p
                                               aca-miR-99a-3p
           tch-miR-99a-5p
           mml-miR-99a-5p
                                               cli-miR-99-3p
           oar-miR-99a
           tgu-miR-99-5p
           dno-miR-99a-5p
           dre-miR-99
                                               gga-miR-99a-3p
           pny-miR-99b
                                                ssc-miR-99a-3p
           eca-miR-99a
           oha-miR-99a-5p
           pha-miR-99a
           ccr-miR-99
                                               cpo-miR-99a-3p
                                               hsa-miR-99a-3p
                                                mml-miR-99a-3p
                                                ami-miR-99a-3p
           ggo-miR-99a
                                               tgu-miR-99-3p
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           pbv-miR-99a-5p
           mze-miR-99b
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           pal-miR-99a-5p
           cgr-miR-99a-5p
           mne-miR-99a
           bta-miR-99a-5p
           abu-miR-99b
           ppa-miR-99a
           mmr-miR-99a
           ipu-miR-99a
           rno-miR-99a-5p
           nle-miR-99a
           ssa-miR-99-5p
                                               ocu-miR-99a-3p
```

ppy-miR-99a

hsa-miR-99a-5p cpi-miR-99a-5p oga-miR-99a

cpi-miR-99a-3p