```
miRBase precursor
                                                              : bta-mir-21
                                                              : 23080
          Total read count
                                                                                                                        5'u G u C G G u A u CAG A C u G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C A A C G G U A C U G A C U G A C A A C G G U A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A C U G U A 
          hsa-miR-21-5p read count : 577
          mmu-miR-21a-5p read count 577
          mmu-miR-21a-3p read count 0
          rno-miR-21-5p read count : 577
          rno-miR-21-3p read count : 0
          ssc-miR-21-5p read count : 577
          ssc-miR-21-3p read count : 0
          mml-miR-21-5p read count: 577
          ptr-miR-21 read count
          ggo-miR-21 read count
          ppy-miR-21 read count
                                                              : 577
                                                              : 577
          mne-miR-21 read count
          age-miR-21 read count
                                                              : 577
                                                              : 577
          ppa-miR-21 read count
          bta-miR-21-5p read count : 577
          bta-miR-21-3p read count : 0
      gga-miR-21-5p read count : 577
             ndo-miR-21-5p read count: 577
           cgr-miR-21-5p read count : 577
            cgr-miR-21-3p read count : 0
           oan-miR-21-5p read count : 577
o·75 San-miR-21-3p read count : 0
cfa-miR-21 read count : 57
   0.5 eca-miR-21 read count
                                                              : 577
           tgu-miR-21-5p read count : 577
oar-miR-21 read count : 577
0.25 aca-miR-21-5p read count : 577
sha-miR-21 read count : 577
      o hja-miR-D1 read count
                                                               • 0
          efu-miR-21 read count
                                                                                                                                                         length
                                                              : 0
          cpi-miR-21-5p read count : 577
          ami-miR-21-5p read count: 577
                                                                                                           aja-miR-21
          cli-miR-21-5 m readicount : 577
          pbv-miRm2b-5pread-count: 577
          chi-miR-211:5piread count : 577
          chi-miR-211a3piread count :0
          tch-miR-2da-5piread count : 577
          oha-miR-2h-5pread-count : 577
          cja-miR-21 read count
                                                                                                           ssc-miR-21-3p
          pal-miR-2da5piread count : 577
          pal-miR-21-3p read count : 0
                                                                                                            efu-miR-21
          cpo-miR-2b-5pread-count : 577
          cpo-miR 211-3pread-count :0
          dno-miR-21-5pread-count : 577
          dno-miR-21-3pread count : 0
          ocu-miR 21-5pread count : 577
          ocu-miR-21-3p read count : 0
                                                                                                          oan-miR-21-3p
          mmr-miR-21-mend210-spt : 577
          dma-miRm2d-mead zrount
                                                              : 577
          nle-miR-21 read count
                                                              : 577
                                                                                                           dno-miR-21-3p
          sbo-miR-212 read-count
                                                              : 577
          pha-miR-22b-read-count
                                                              : 577
          oga-miR 224 read-count
                                                              : 577
          remaining reads -21a-5p
                           chi-miR-21-5p
                           gga-miR-21-5p
                           pha-miR-21
                           tgu-miR-21-5p
                           cgr-miR-21-5p
                           nle-miR-21
                           oar-miR-21
                           ptr-miR-21
                           mml-miR-21-5p
                           ocu-miR-21-5p
                          pal-miR-21-5p
                           pbv-miR-21-5p
                           cli-miR-21-5p
                                                                                                          chi-miR-21-3p
                                                                                                           rno-miR-21-3p
                           sbo-miR-21
                                                                                                              mu-miR-21a-3p
                           ssc-miR-21-5p
                                                                                                          pal-miR-21-3p
                                                                                                           ocu-miR-21-3p
                           oga-miR-21
                                                                                                            bta-miR-21-3p
```

ggo-miR-21

```
aja-miR-21
     aca-miR-21-5p
ugucgggmdgemmiRu2agapugauguugacuguugaaucucauggcaacagcagucgaugggcugucugaca
     ami-miR-21-5p
     sha-miR-21
     oha-miR-21-5p
    tch-miR-21-5p
                               ssc-miR-21-3p
    hsa-miR-21-5p
                               efu-miR-21
    cpo-miR-21-5p
    cpi-miR-21-5p
     rno-miR-21-5p
     age-miR-21
     ppy-miR-21
                               oan-miR-21-3p
    bta-miR-21-5p
     mmr-miR-21
                               dno-miR-21-3p
    cja-miR-21
    dno-miR-21-5p
     mmu-miR-21a-5p
     chi-miR-21-5p
     gga-miR-21-5p
    pha-miR-21
     tgu-miR-21-5p
     cgr-miR-21-5p
     nle-miR-21
    oar-miR-21
    ptr-miR-21
     mm1-miR-21-5p
     ocu-miR-21-5p
     pal-miR-21-5p
     pbv-miR-21-5p
     cli-miR-21-5p
                               chi-miR-21-3p
                                rno-miR-21-3p
    sbo-miR-21
                               mmu-miR-21a-3p
     ssc-miR-21-5p
                               pal-miR-21-3p
                                ocu-miR-21-3p
    oga-miR-21
                                bta-miR-21-3p
     ggo-miR-21
     mne-miR-21
    cfa-miR-21
     dma-miR-21
                               cgr-miR-21-3p
    oan-miR-21-5p
                                cpo-miR-21-3p
    eca-miR-21
.....uagcuuaucagacugauguu.....
                                                                     F03
.....uaCcuuaucagacugauguug.....
                                                     1
                                                             1
                                                                     FO3
                                                                     F03
                                                     1
                                                             1
.....uagcuuaucagacugauguuA.....
.....uagcuuaucagacugauguug.....
                                                     18
                                                             0
                                                                     F03
                                                                     F03
....uagcuCaucagacugauguug.
                                                     1
                                                            1
                                                     27
                                                                     F03
.....uagcuuaucagacugauguuga.....
                                                     1
                                                             1
                                                                     F03
.....uagcuuaucagCcugauguugac.....
.....uagcuuaucagacugauguugac.....
                                                     76
                                                             0
                                                                     F03
.....uagcuuaucagacugauguugUc.....
                                                     1
                                                             1
                                                                     F03
.....uagcuuaucagacugGuguugac.....
                                                     1
                                                             1
                                                                     F03
.....uagcuuaAcagacugauguugac.....
                                                                     F03
                                                     16
.....uagcuuaucagacugauguugaA.....
                                                             1
                                                                     F03
                                                     7
                                                             1
                                                                     F03
```

.....uagcuuaucagacugauguugaU.....uagcuuaucagacugauAuugac....

.....uagcuuaucagacugauguugacu.....uagcuuaucagacugauguugacC......

.....uagcuuaucagacugauguugacA.....uagcuuaucagacugauguugacG.....

1

4

22

1

1

1

1

F03

FO3

F03

F03

```
aja-miR-21
      aca-miR-21-5p
ugucgggmdgemmRu2dg5pugauguugacuguugaaucucauggcaacagcagucgaugggcugucugaca
      ami-miR-21-5p
      sha-miR-21
      oha-miR-21-5p
      tch-miR-21-5p
                                           ssc-miR-21-3p
      hsa-miR-21-5p
                                           efu-miR-21
      cpo-miR-21-5p
      cpi-miR-21-5p
      rno-miR-21-5p
      age-miR-21
      ppy-miR-21
                                           oan-miR-21-3p
      bta-miR-21-5p
      mmr-miR-21
                                           dno-miR-21-3p
      cja-miR-21
      dno-miR-21-5p
      ppa-miR-21
      mmu-miR-21a-5p
      chi-miR-21-5p
      gga-miR-21-5p
      pha-miR-21
      tgu-miR-21-5p
      cgr-miR-21-5p
      nle-miR-21
      oar-miR-21
      ptr-miR-21
      mml-miR-21-5p
      ocu-miR-21-5p
      pal-miR-21-5p
      pbv-miR-21-5p
      cli-miR-21-5p
                                           chi-miR-21-3p
                                            rno-miR-21-3p
      sbo-miR-21
                                           mmu-miR-21a-3p
      ssc-miR-21-5p
                                           pal-miR-21-3p
                                            ocu-miR-21-3p
      oga-miR-21
                                             bta-miR-21-3p
      ggo-miR-21
      mne-miR-21
      cfa-miR-21
```

uagcuuaucagacugaugu	3	0	F02
uagcuuaucagacugauguC	2	1	F02
uagcuuaucagacugauguu	2	0	F02
uagcuuaucagacugauguug	19	0	F02
uagcuuaucagacugauguuA	2	1	F02
uagcuuaucagacugauguuga	30	0	F02
uagcuuaucagacugauguugaA	16	1	F02
uagcuuaucagacugGuguugac	1	1	F02
uagcuuaucagacugauguugaU	3	1	F02
uGgcuuaucagacugauguugac	1	1	F02
uagcuuaAcagacugauguugac	1	1	F02
uagcuuaucagacCgauguugac	1	1	F02
uagcuuaucagacugauguugGc	1	1	F02
uagcuuaucagacugaugAugac	1	1	F02
uagcuuaucagacugauguugac	91	0	F02
uagcuuaucGgacugauguugac	2	1	F02
uagcuuaucagacugauguugaAu	1	1	F02

cgr-miR-21-3p

cpo-miR-21-3p

oan-miR-21-5p

eca-miR-21

```
aja-miR-21
     aca-miR-21-5p
ugucgggmdgemmiRu2agapugauguugacuguugaaucucauggcaacagcagucgaugggcugucugaca
     ami-miR-21-5p
     sha-miR-21
     oha-miR-21-5p
    tch-miR-21-5p
                                ssc-miR-21-3p
    hsa-miR-21-5p
                                efu-miR-21
    cpo-miR-21-5p
    cpi-miR-21-5p
     rno-miR-21-5p
     age-miR-21
     ppy-miR-21
                                oan-miR-21-3p
    bta-miR-21-5p
     mmr-miR-21
                                dno-miR-21-3p
    cja-miR-21
    dno-miR-21-5p
     mmu-miR-21a-5p
     chi-miR-21-5p
     gga-miR-21-5p
    pha-miR-21
     tgu-miR-21-5p
     cgr-miR-21-5p
    nle-miR-21
    oar-miR-21
    ptr-miR-21
    mm1-miR-21-5p
     ocu-miR-21-5p
     pal-miR-21-5p
    pbv-miR-21-5p
     cli-miR-21-5p
                                chi-miR-21-3p
                                rno-miR-21-3p
    sbo-miR-21
                                mmu-miR-21a-3p
     ssc-miR-21-5p
                                pal-miR-21-3p
                                ocu-miR-21-3p
    oga-miR-21
                                 bta-miR-21-3p
     ggo-miR-21
     mne-miR-21
    cfa-miR-21
     dma-miR-21
                                cgr-miR-21-3p
    oan-miR-21-5p
                                cpo-miR-21-3p
    eca-miR-21
.....uagcuuaucagacugauguugacu.....
                                                                       F02
.....uagcuuaucGgacugauguugacu.....
                                                      1
                                                              1
                                                                       F02
                                                                       F02
                                                      39
                                                              1
.....uaqcuuaucaqacuqauquuqacA.....
.....uagcuuaucagacugauguugacC......
                                                      1
                                                              1
                                                                       F02
.....uagAuuaucagacugauguug.....
                                                              1
                                                                       F01
                                                                      F01
.....uagcuuaucagacugauguug.....
                                                      20
                                                              0
.....uagcuuaucagGcugauguuga.....
                                                      1
                                                              1
                                                                       F01
.....uagcuuaucagacugauguuga.....
                                                      27
                                                              0
                                                                      F01
.....uagcuuaucagacugauguugac.....
                                                      81
                                                             0
                                                                      F01
.....uagcuuaCcagacugauguugac.....
                                                      1
                                                             1
                                                                      F01
.....uagcAuaucagacugauguugac.....
                                                      1
                                                              1
                                                                      F01
```

.....uagcuuaucagacugauguugaU.....uagcuuaAcagacugauguugac....

.....uaqcuuaucagacugauquuqacu....

2

3

1

1

1

F01

F01 F01

F01

F01