```
: 138
     Total read count
     hsa-miR-23a-5p read count: 0
                                                          5'gg cgg cuuuagggaccguuacacuaacacugg
     hsa-miR-23a-3p read count: 4
     mmu-miR-23a-5p read count 0
     mmu-miR-23a-3p read count 4
     rno-miR-23a-5p read count: 0
     rno-miR-23a-3p read count: 4
     dre-miR-23a-3p read count: 4
     ssc-miR-23a read count
     ggo-miR-23a read count
                             : 4
     age-miR-23a read count
     ppa-miR-23a read count : 4
     lca-miR-23a read count
     ppy-miR-23a read count
                             : 4
     ptr-miR-23a read count
                             : 4
     mml-miR-23a-5p read count 0
     mml-miR-23a-3p read count 4
     sla-miR-23a read count
  freq. mine-miR-23a read count
     fru-miR-23a read count
     ni-miR-23a read count
xtr-miR-23a read count
o.75 5ta-miR-23a read count
                             : 4
     mdo-miR-23a-5p read count 0
 0.5 mdo-miR-23a-3p read count 4
     oan-miR-23a-3p read count: 4
cfa-miR-23a read count
0.25 kla-miR-23a read count
                              : 4
     eca-miR-23a read count
  o aca-miR-23a-3p read count · 4
     ola-miR-23a read count
                                                                            length
     sha-miR-23a read count
     cgr-miR-2ma-5pireacheosynt:0
     cgr-miR-23a-3p read count: 4
                                                   xtr-miR-23a
     ccr-miR-23a read count
                                                   oar-miR-23b
     ipu-miR-28 countsp : 4
     oar-miR-23a read count : 4
                                                   oan-miR-23a-3p
     oar-miR-23b read count : 2
                                                   mml-miR-23a-3p
     hhi-miR-23a read count
                                                   ssc-miR-23a
     ssa-miR-23a-3p read count: 4
                                                   fru-miR-23a
     chi-miR-23a read count
                                                   ipu-miR-23a
     oha-miR-23a-3preadacount: 4
                             : 0
     remaining reads
                                                  bta-miR-23a
                                                   aca-miR-23a-3p
                                                   dre-miR-23a-3p
                                                   xla-miR-23a
                                                   mdo-miR-23a-3p
                                                   ggo-miR-23a
                                                   rno-miR-23a-3p
              rno-miR-23a-5p
                                                   mne-miR-23a
                                                  hsa-miR-23a-3p
                                                   ptr-miR-23a
                                                   ola-miR-23a
                                                   cgr-miR-23a-3p
                                                   cfa-miR-23a
                                                   oha-miR-23a-3p
                                                   oar-miR-23a
                                                   lca-miR-23a
                                                   chi-miR-23a
                                                   age-miR-23a
                                                   ppy-miR-23a
                                                   sha-miR-23a
                                                   sla-miR-23a
                                                   mmu-miR-23a-3p
                                                   ppa-miR-23a
                                                   ccr-miR-23a
                                                   hhi-miR-23a
                mml-miR-23a-5p
                mdo-miR-23a-5p
                                                   tni-miR-23a
                                                   ssa-miR-23a-3p
                                                   eca-miR-23a
  {\tt 5'-ggccggcugggguuccuggggauuugcugccugucacaaaucacauugccagggauuuccaaccgacc}
```

sample

F02

.....aucacauuUccagggauuucc.....

miRBase precursor

: bta-mir-23a

xtr-miR-23a ggccggcugggguuccuggggaugggauuugcugccugucacaaearamaRuggbagggauuuccaaccgacc hsa-miR-23a-5p oan-miR-23a-3p mml-miR-23a-3p ssc-miR-23a ipu-miR-23a cgr-miR-23a-5p bta-miR-23a aca-miR-23a-3p dre-miR-23a-3p xla-miR-23a mdo-miR-23a-3p ggo-miR-23a rno-miR-23a-3p rno-miR-23a-5p mne-miR-23a hsa-miR-23a-3p ptr-miR-23a ola-miR-23a cgr-miR-23a-3p cfa-miR-23a oha-miR-23a-3p oar-miR-23a lca-miR-23a chi-miR-23a age-miR-23a ppy-miR-23a sha-miR-23a sla-miR-23a mmu-miR-23a-3p ppa-miR-23a ccr-miR-23a hhi-miR-23a mml-miR-23a-5p mdo-miR-23a-5p tni-miR-23a ssa-miR-23a-3p eca-miR-23a

.....aucacauugccagggauuuccaaU..... 1 1 F02aucacauugccagggauuucU...... 1 F01 1aucacauugccagggauuuccaaU..... 1 F01