```
miRBase precursor
                                 : bta-mir-100
                                 : 117656
     Total read count
     hsa-miR-100-5p read count: 2674
     mmu-miR-100-5p read count 2674
                                                                                caca<sup>a</sup>acc<sup>e</sup>guagau<sup>c</sup>cga<sup>a</sup>cuugug<sup>s</sup>ug
caca<sup>a</sup>acc<sup>e</sup>guagau<sup>c</sup>cga<sup>a</sup>cuugug<sup>s</sup>ug
gugu<sub>a</sub>ugg<sub>a</sub>uaucug<sub>u</sub>guu<sub>c</sub>gaacacac
     mmu-miR-100-3p read count0
     rno-miR-100-5p read count: 2674
     rno-miR-100-3p read count: 0
     gga-miR-100-5p read count: 2674
     aga-miR-100 read count : 2674
     dre-miR-100-5p read count: 2674
     ggo-miR-100 read count : 2674
     age-miR-100 read count
     ppa-miR-100 read count
                               : 2674
     ppy-miR-100 read count : 2674
     ptr-miR-100 read count
                                 : 2674
     mml-miR-100-5p read count 2674
     mml-miR-100-3p read count 0
     sla-miR-100 read count
                                 : 2674
     lla-miR-100 read count
                                 : 2674
   freq.
fru-miR-100 read count
                                 : 2674
     Tni-miR-100 read count
                                  . 2674
      xtr-miR-100 red count
                               : 2674
      mdo-miR-100- p read count 2674
o.75 mdo-miR-100-sp read count 0
ame-miR-100 read count : 2674
 0.5 pan-miR-100-5 p read count: 2674
      pan-miR-100-3p read count: 0
      bta-miR-100 read count
                                 : 2674
0.25 gi-miR-100 read count
                                 : 2674
      sko-miR-100 read count
                                 : 2674
   o hmo-miR-100 read count
                                                                                       length
     eca-miR-100 read count
                                 : 2674
     ssc-miR-100 read count
                                 : 2674
     bma-miR-100bread count: 2674
     aae-miR-100 read-comptoo : 2674
     cqu-miR-100-5p-readreount: 2674
     tgu-miR-100-5pnreadrount: 2674
     nvi-miR-100 read count
                                : 2674
                                                             mml-miR-100-3p
     pma-miR-100a-5p read count2674
                                                           oan-miR-100-3p
     aca-miR-100 read-ocumtiona: 2674
     ola-miR-100 read countroo : 2674
     sha-miR-100 read-ecuratioo : 2674
     cgr-miR-100-5pgreadreount-52674
     cgr-miR-100-3pmread recount-50
     mse-miR-100 mad-commtoo: 2674
     ccr-miR-100 read countroo : 2674
     ipu-miR-100 read-countroo: 2674
     pmi-miR-100-5p read count: 2674
                                                            mu-miR-100-3p
     bbe-miR-100-5p read count: 2674
                                                             mdo-miR-100-3p
     ssa-miR-100a-<del>Spiraad coun</del>t: 2674
     ssa-miR-100a-2-3 partered count
     chi-miR-100-5phread count-52674
     chi-miR-100-3 psread xount:0
     tch-miR-100-5pread count: 2674
     remaining read ge-mir-100:0
                                                           rno-miR-100-3p
                    tch-miR-100-5p
                    chi-miR-100-5p
                    lgi-miR-100
                    bta-miR-100
                    cqu-miR-100-5p
                    oan-miR-100-5p
                    hsa-miR-100-5p
                    ssc-miR-100
                    ggo-miR-100
                    pma-miR-100a-5p
                                                           chi-miR-100-3p
                    dre-miR-100-5p
                    nvi-miR-100
                    bbe-miR-100-5p
                    xtr-miR-100
                    eca-miR-100
                                                          ssa-miR-100a-2-3p
                    sko-miR-100
                    gga-miR-100-5p
                    pmi-miR-100-5p
                    aga-miR-100
                    bma-miR-100b
                    mdo-miR-100-5p
```

car-miR-100-3p

bmo-miR-100

```
sha-miR-100
ipu-miR-100
```

ccuguugccacaaaremgRagaûccgaacuuguggugguagugcacacaagcuugugucuauagguaugugucugu

ame-miR-100

mml-miR-100-3p oan-miR-100-3p

ssa-miR-100a-5p

aca-miR-100

ptr-miR-100

cgr-miR-100-5p mml-miR-100-5p

fru-miR-100

ola-miR-100

sla-miR-100

mmu-miR-100-3p

mdo-miR-100-3p

tni-miR-100

ppy-miR-100

rno-miR-100-5p

mse-miR-100 lla-miR-100

age-miR-100

rno-miR-100-3p

tch-miR-100-5p

chi-miR-100-5p

lgi-miR-100

bta-miR-100

cqu-miR-100-5p

oan-miR-100-5p

hsa-miR-100-5p

ssc-miR-100 ggo-miR-100

pma-miR-100a-5p

chi-miR-100-3p

dre-miR-100-5p

nvi-miR-100

bbe-miR-100-5p

xtr-miR-100

eca-miR-100

ssa-miR-100a-2-3p

sko-miR-100

gga-miR-100-5p

pmi-miR-100-5p

aga-miR-100 bma-miR-100b

mdo-miR-100-5p

bmo-miR-100

cgr-miR-100-3p

tgu-miR-100-5p

aae-miR-100

aacccguagauccgaacu	. 5	0	F03
aacccguagauccgaacuu	. 7	0	F03
aacccguagauccgaacuC	. 1	1	F03
aacAcguagauccgaacuug	. 1	1	F03
aacccguagauccgaacuuU	. 1	1	F03
aacUcguagauccgaacuug	. 1	1	F03
aacccguGgauccgaacuug	. 1	1	F03
aacccguagauccgaacuuA	. 3	1	F03
aacccguagauccgaacuug	. 85	0	F03
aacccguagauccgaacuugA	. 2	1	F03
aacccguagauccgaacuAgu	. 1	1	F03
aacccguagauUcgaacuugu	. 1	1	F03
aacccguagauccgaacuugu	. 109	0	F03
aacccguagaCccgaacuugu	. 1	1	F03
Gacccguagauccgaacuugu	. 6	1	F03
aacccgAagauccgaacuugu	. 1	1	F03
aacccguGgauccgaacuugu	. 1	1	F03
aacccguagauccgaacuCgu	. 1	1	F03
aacccguagauccgaacuugC	. 42	1	F03

```
sha-miR-100
ipu-miR-100
```

ccuguugccacaaaremgRagaûccgaacuuguggugguagugcacacaagcuugugucuauagguaugucugu

ame-miR-100

mml-miR-100-3p oan-miR-100-3p

ssa-miR-100a-5p

aca-miR-100

ptr-miR-100

cgr-miR-100-5p

mml-miR-100-5p

fru-miR-100

ola-miR-100 sla-miR-100

mmu-miR-100-3p

mdo-miR-100-3p

tni-miR-100

ppy-miR-100

rno-miR-100-5p

mse-miR-100 lla-miR-100

age-miR-100

rno-miR-100-3p

tch-miR-100-5p

chi-miR-100-5p

lgi-miR-100

bta-miR-100

cqu-miR-100-5p

oan-miR-100-5p

hsa-miR-100-5p

ssc-miR-100

ggo-miR-100 pma-miR-100a-5p

chi-miR-100-3p

dre-miR-100-5p

nvi-miR-100

bbe-miR-100-5p

xtr-miR-100

eca-miR-100

ssa-miR-100a-2-3p

sko-miR-100

gga-miR-100-5p

pmi-miR-100-5p aga-miR-100

bma-miR-100b

mdo-miR-100-5p

bmo-miR-100

cgr-miR-100-3p

tgu-miR-100-5p

aae-miR-100

aacccAuagauccgaacuugu	1	1	F03
aacccguagauccgaacuugG	6	1	F03
aacccguagauccgaacuAgug	1	1	F03
aacccguagauccUaacuugug	1	1	F03
aacccguagauccgaacCugug	1	1	F03
aacccguagauccgaaUuugug	1	1	F03
aaAccguagauccgaacuugug	1	1	F03
aacccUuagauccgaacuugug	1	1	F03
aacccguagauccgaacuugug	107	0	F03
	1	1	F03
aacccguagauccgaacuCgug	1	1	F03
aacccguagauccgaacuugCg	1	1	F03
aacccguagauccgaacuuguA	10	1	F03
aacccguagauccgaacuugugg	3	0	F03
aacccguagauccgaacuugugA	85	1	F03
aacccguagauccgaacuugugU	112	1	F03
aacccguagauccgaacuugugC	26	1	F03
aacccguagauccgaacuugugAu	8	1	F03
acccguagauccgaacuug	1	0	F03

```
sha-miR-100
ipu-miR-100
```

ccuguugccacaaaremgRagaucuguggugguagugcacacaagcuugugucuauagguaugugucugu

ame-miR-100

mm1-miR-100-3p oan-miR-100-3p

ssa-miR-100a-5p

aca-miR-100

ptr-miR-100

cgr-miR-100-5p

mml-miR-100-5p

fru-miR-100 ola-miR-100

sla-miR-100

mmu-miR-100-3p

mdo-miR-100-3p

tni-miR-100

ppy-miR-100

rno-miR-100-5p

mse-miR-100

lla-miR-100

age-miR-100

rno-miR-100-3p

tch-miR-100-5p

chi-miR-100-5p

lgi-miR-100

bta-miR-100

cqu-miR-100-5p

oan-miR-100-5p

hsa-miR-100-5p

ssc-miR-100 ggo-miR-100

pma-miR-100a-5p

chi-miR-100-3p

dre-miR-100-5p

nvi-miR-100

bbe-miR-100-5p

xtr-miR-100

eca-miR-100

ssa-miR-100a-2-3p

sko-miR-100

gga-miR-100-5p

pmi-miR-100-5p

aga-miR-100 bma-miR-100b

mdo-miR-100-5p

bmo-miR-100

cgr-miR-100-3p

tgu-miR-100-5p

aae-miR-100

Gcccguagauccgaacuugu	1	1	F03
acccguagauccgaacuugu	2	0	F03
Gcccguagauccgaacuugug	1	1	F03
acccguagauccgaacuugug	3	0	F03
acccguagauccgaacuugugA	5	1	F03
acccguagauccgaacuugugU	5	1	F03
Caacccguagauccgaacuugu	1	1	F02
aacccguagauccgaacu	7	0	F02
aacccguagauccgaacuu	1	0	F02
aacccguagauccgaacuuA	1	1	F02
aacccguagauccgaGcuug	1	1	F02
aacccguagauccgaacuug	40	0	F02
aacccguagauccgaacuugA	5	1	F02
aacccguGgauccgaacuugu	1	1	F02
aacccguagaCccgaacuugu	1	1	F02
aacccguagauccgaGcuugu	2	1	F02
aacccguagauccgaacuugC	29	1	F02
aacccguagauccAaacuugu	2	1	F02

```
sha-miR-100
ipu-miR-100
```

ccuguugccacaaaremgRagaûccgaacuuguggugguagugcacacaagcuugugucuauagguaugucugu

ame-miR-100

mml-miR-100-3p oan-miR-100-3p

ssa-miR-100a-5p

aca-miR-100

ptr-miR-100

cgr-miR-100-5p

mml-miR-100-5p

fru-miR-100

ola-miR-100 sla-miR-100

mmu-miR-100-3p

mdo-miR-100-3p

tni-miR-100

ppy-miR-100

rno-miR-100-5p

mse-miR-100 lla-miR-100

age-miR-100

rno-miR-100-3p

tch-miR-100-5p

chi-miR-100-5p

lgi-miR-100

bta-miR-100

cqu-miR-100-5p

oan-miR-100-5p

hsa-miR-100-5p

ssc-miR-100

ggo-miR-100

pma-miR-100a-5p

chi-miR-100-3p

dre-miR-100-5p

nvi-miR-100

bbe-miR-100-5p

xtr-miR-100

eca-miR-100

ssa-miR-100a-2-3p

sko-miR-100

gga-miR-100-5p

pmi-miR-100-5p aga-miR-100

bma-miR-100b

mdo-miR-100-5p

bmo-miR-100

cgr-miR-100-3p

tgu-miR-100-5p

aae-miR-100

mmu-miR-100-5p

ppa-miR-100

Gacccguagauccgaacuugu	3	1	F02
aacccguagauccgaacuCgu	1	1	F02
aacccguagauAcgaacuugu	1	1	F02
aacccguagGuccgaacuugu	2	1	F02
aacccgAagauccgaacuugu	4	1	F02
aacccguagauccgaCcuugu	1	1	F02
aacccguagauUcgaacuugu	1	1	F02
aacccguagauccgaacuugu	272	0	F02
aGcccguagauccgaacuugu	1	1	F02
aacccguagaucUgaacuugu	3	1	F02
aacccguagauccgaacuugG	5	1	F02
aacccguaAauccgaacuugu	1	1	F02
aacUcguagauccgaacuugu	1	1	F02
aacAcguagauccgaacuugu	1	1	F02
aaGccguagauccgaacuugu	1	1	F02
aacccguaCauccgaacuugu	1	1	F02
aacccguagauccgaacuuguC	1	1	F02
aacUcguagauccgaacuugug	2	1	F02
aacccguagauccgCacuugug	1	1	F02

```
sha-miR-100
ipu-miR-100
```

ccuguugccacaaaremgRagâûccgaacuuguggugguagugcacacaagcuugugucuauagguaugugucugu

ame-miR-100

mml-miR-100-3p oan-miR-100-3p

ssa-miR-100a-5p

aca-miR-100

ptr-miR-100

cgr-miR-100-5p

mml-miR-100-5p

fru-miR-100 ola-miR-100

sla-miR-100

mmu-miR-100-3p

mdo-miR-100-3p

tni-miR-100

ppy-miR-100

rno-miR-100-5p

mse-miR-100

lla-miR-100

age-miR-100

rno-miR-100-3p

tch-miR-100-5p

chi-miR-100-5p

lgi-miR-100

bta-miR-100

cqu-miR-100-5p

oan-miR-100-5p

hsa-miR-100-5p

ssc-miR-100 ggo-miR-100

pma-miR-100a-5p

chi-miR-100-3p

dre-miR-100-5p

nvi-miR-100

bbe-miR-100-5p

xtr-miR-100

eca-miR-100

ssa-miR-100a-2-3p

sko-miR-100

gga-miR-100-5p

pmi-miR-100-5p

aga-miR-100 bma-miR-100b

mdo-miR-100-5p

bmo-miR-100

cgr-miR-100-3p

tgu-miR-100-5p

aae-miR-100

aacccguagGuccgaacuugug	1	1	F02
aacccguagauccgaacCugug	1	1	F02
aacccguaCauccgaacuugug	1	1	F02
aacccguagauccgaacuuguA	6	1	F02
aGcccguagauccgaacuugug	1	1	F02
aacccguagauccgaacuuguU	1	1	F02
aacccguagauccgaacuugug	120	0	F02
aacccguGgauccgaacuugug	1	1	F02
aacccguagauccgaacuugugg	3	0	F02
aacccguagauccgaacuugugU	285	1	F02
aacccguagauccgaacuugugC	40	1	F02
aacccguagauccgaacuugugA	134	1	F02
aacccguagauccgaacuuguggA	1	1	F02
aacccguagauccgaacuugugAu	18	1	F02
acccguagauccgaacuug	1	0	F02
Gcccguagauccgaacuugu	1	1	F02
acccguagauccgaacuugC	2	1	F02
acccguagauccgaacuugu	13	0	F02
acccguagauccgaacuugug	5	0	F02

```
sha-miR-100
ipu-miR-100
```

ccuguugccacaaaremgRagaucuguggugguagugcacacaagcuugugucuauagguaugugucugu

ame-miR-100

mml-miR-100-3p oan-miR-100-3p

ssa-miR-100a-5p

aca-miR-100

ptr-miR-100

cgr-miR-100-5p

mml-miR-100-5p

fru-miR-100 ola-miR-100

sla-miR-100

mmu-miR-100-3p

mdo-miR-100-3p

tni-miR-100

ppy-miR-100

rno-miR-100-5p

mse-miR-100

11a-m1R-100

age-miR-100

rno-miR-100-3p

tch-miR-100-5p

chi-miR-100-5p

lgi-miR-100

bta-miR-100

cqu-miR-100-5p

oan-miR-100-5p

hsa-miR-100-5p

ssc-miR-100 ggo-miR-100

pma-miR-100a-5p

chi-miR-100-3p

dre-miR-100-5p

nvi-miR-100

bbe-miR-100-5p

xtr-miR-100

eca-miR-100

ssa-miR-100a-2-3p

sko-miR-100

gga-miR-100-5p

pmi-miR-100-5p aga-miR-100

bma-miR-100b

mdo-miR-100-5p

bmo-miR-100

cgr-miR-100-3p

tgu-miR-100-5p

aae-miR-100

acccguagauccgaacuugugC	7	1	F02
acccguagauccgaacuugugU	12	1	F02
acccguagauccgaacuugugA	1	1	F02
acccguagauccgaacuugugAu	1	1	F02
cguagauccgaacuugugU	1	1	F02
aacccguagauccgaacu	6	0	F01
aacccguagauccgaacuu	3	0	F01
aacccgAagauccgaacuug	1	1	F01
aacccguagaucUgaacuug	1	1	F01
aacccguagauccgaacuug	62	0	F01
aacccguagauccgaGcuug	1	1	F01
aacccguagauccgaacuuA	1	1	F01
aacccguagauccgaacuAg	1	1	F01
aacccguagaucAgaacuug	1	1	F01
aacccguaAauccgaacuugu	1	1	F01
aacccguagauccgaacuCgu	1	1	F01
aacccgCagauccgaacuugu	1	1	F01
aGcccguagauccgaacuugu	1	1	F01

```
sha-miR-100
ipu-miR-100
```

ccuguugccacaaaremgRagAuccgaacuuguggugguagugcacacaagcuugugucuauagguaugugucugu

ame-miR-100

mml-miR-100-3p oan-miR-100-3p

ssa-miR-100a-5p

aca-miR-100

ptr-miR-100

cgr-miR-100-5p

mml-miR-100-5p fru-miR-100

ola-miR-100

sla-miR-100

mmu-miR-100-3p

mdo-miR-100-3p

tni-miR-100

ppy-miR-100

rno-miR-100-5p

mse-miR-100

11a-m1R-100

age-miR-100

rno-miR-100-3p

tch-miR-100-5p

chi-miR-100-5p

lgi-miR-100

bta-miR-100

cqu-miR-100-5p

oan-miR-100-5p

hsa-miR-100-5p ssc-miR-100

ggo-miR-100

pma-miR-100a-5p

chi-miR-100-3p

dre-miR-100-5p

nvi-miR-100

bbe-miR-100-5p

xtr-miR-100

eca-miR-100

ssa-miR-100a-2-3p

sko-miR-100

gga-miR-100-5p

pmi-miR-100-5p aga-miR-100

bma-miR-100b

mdo-miR-100-5p

bmo-miR-100

cgr-miR-100-3p

tgu-miR-100-5p

aae-miR-100

mmu-miR-100-5p

ppa-miR-100

aacccguagauUcgaacuugu	1	1	F01
aacccguagauccgaacuugG	18	1	F01
aacccguagauAcgaacuugu	1	1	F01
aacccguagauccgaacuugC	31	1	F01
aacccguagGuccgaacuugu	1	1	F01
aacccguagaCccgaacuugu	1	1	F01
aacccguagauccgaacuugu	334	0	F01
aacccguagauccgaacuugA	5	1	F01
aacccUuagauccgaacuugu	2	1	F01
aacccguagauccgaGcuugu	5	1	F01
	3	1	F01
aacccgAagauccgaacuugu	4	1	F01
aacccguagaAccgaacuugu	1	1	F01
aacccAuagauccgaacuugu	1	1	F01
aacAcguagauccgaacuugug	1	1	F01
aacccguagauccgaacuugCg	2	1	F01
aacccguagauccgaaUuugug	1	1	F01
aGcccguagauccgaacuugug	1	1	F01
aacccguagaucUgaacuugug	1	1	F01

```
sha-miR-100
ipu-miR-100
```

ccuguugccacaaaremgRagAuccgaacuuguggugguagugcacacaagcuugugucuauagguaugugucugu

ame-miR-100

mml-miR-100-3p oan-miR-100-3p

ssa-miR-100a-5p

aca-miR-100

ptr-miR-100

cgr-miR-100-5p

mml-miR-100-5p fru-miR-100

ola-miR-100

sla-miR-100

mmu-miR-100-3p

mdo-miR-100-3p

tni-miR-100

ppy-miR-100

rno-miR-100-5p

mse-miR-100

lla-miR-100

age-miR-100

rno-miR-100-3p

tch-miR-100-5p

chi-miR-100-5p

lgi-miR-100

bta-miR-100

cqu-miR-100-5p

oan-miR-100-5p

hsa-miR-100-5p

ssc-miR-100

ggo-miR-100 pma-miR-100a-5p

chi-miR-100-3p

dre-miR-100-5p

nvi-miR-100

bbe-miR-100-5p

xtr-miR-100

eca-miR-100

ssa-miR-100a-2-3p

sko-miR-100

gga-miR-100-5p

pmi-miR-100-5p

aga-miR-100 bma-miR-100b

mdo-miR-100-5p

bmo-miR-100

cgr-miR-100-3p

tgu-miR-100-5p

aae-miR-100

aacccguagauccgaacuugug	111	0	F01
aacccguagauccgaacuuguU	4	1	F01
aacccguagauccgaacuuguA	3	1	F01
aacccguaCauccgaacuugug	1	1	F01
aacccguagGuccgaacuugug	2	1	F01
aacccguagauccgaacuugugA	68	1	F01
aacccguagauccgaacuugugC	19	1	F01
aacccguagauccgaacuugugU	218	1	F01
aacccguagauccgaacuugugg	7	0	F01
aacccguagauccgaacuugugAu	7	1	F01
aacccguagauccgaacuugugUu	1	1	F01
aacccguagauccgaacuuguggA	1	1	F01
acccguagauccgaacuug	1	0	F01
acccguagauccgaacuugC	1	1	F01
acccguagauccgaacuugu	11	0	F01
acccguagaCccgaacuugu	1	1	F01
acccguagauccgaacuugug	1	0	F01
acccguagauccgaacuugugC	2	1	F01
acccguagauccAaacuugugg	1	1	F01

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sha-miR-100
           ipu-miR-100
ccuguugccacaaaremgRagaûccgaacuuguggugguagugcacacaagcuugugucuauagguaugugucugu
           ame-miR-100
                                              mml-miR-100-3p
                                             oan-miR-100-3p
           ssa-miR-100a-5p
           aca-miR-100
           ptr-miR-100
           cgr-miR-100-5p
           mml-miR-100-5p
           fru-miR-100
           ola-miR-100
           sla-miR-100
                                            mmu-miR-100-3p
                                              mdo-miR-100-3p
           tni-miR-100
           ppy-miR-100
           rno-miR-100-5p
           mse-miR-100
           lla-miR-100
           age-miR-100
                                             rno-miR-100-3p
           tch-miR-100-5p
           chi-miR-100-5p
           lgi-miR-100
           bta-miR-100
           cqu-miR-100-5p
           oan-miR-100-5p
           hsa-miR-100-5p
           ssc-miR-100
           ggo-miR-100
           pma-miR-100a-5p
                                             chi-miR-100-3p
           dre-miR-100-5p
           nvi-miR-100
           bbe-miR-100-5p
           xtr-miR-100
           eca-miR-100
                                            ssa-miR-100a-2-3p
           sko-miR-100
           gga-miR-100-5p
           pmi-miR-100-5p
           aga-miR-100
           bma-miR-100b
           mdo-miR-100-5p
           bmo-miR-100
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cgr-miR-100-3p

1

F01

F01

F01

.....acccguagauccgaacuugugU......9

tgu-miR-100-5p aae-miR-100 mmu-miR-100-5p ppa-miR-100