```
miRBase precursor
                               : bta-mir-9-2
                               : 1333
     Total read count
     dme-miR-9a-5p read count: 18
                                                            5-g q a g g a g u u g u u a u c u a g a u c g a a u a c u u c
     mmu-miR-9-5p read count : 18
     mmu-miR-9-3p read count : 1
     hsa-miR-9-5p read count : 18
     hsa-miR-9-3p read count
                              : 1
     rno-miR-9a-5p read count : 18
     rno-miR-9a-3p read count : 1
     gga-miR-9-5p read count : 18
     dps-miR-9a read count
                               : 18
     ame-miR-9a read count
                               : 18
     aga-miR-9a read count
                               : 18
     dre-miR-9-5p read count
                               : 18
     dre-miR-9-3p read count
                               : 1
     ssc-miR-9-1 read count
                               : 18
     ssc-miR-9-2 read count
                               : 18
     ptr-miR-9 read count
                               : 18
  ggo-miR-9 read count
                               : 18
      la-miR-9 read count
                               : 18
     nne-miR-9 read count
                               : 18
      age-miR-9 read co<mark>int</mark>
                               : 18
     fru-miR-9 read count
0.75 mi-miR-9 read count
                               : 18
     xtr-miR-9a-5p read count
                               : 18
 0.5 ktr-miR-9a-3p read count
                              : 1
     xtr-miR-9-5p read count
                               : 18
xtr-miR-9-3p read count : 1

0.25 mo-miR-9a-5p read count : 18
     mdo-miR-9a-5p read count: 18
   o mdo-miR-9a-3p read count · 1
                                                                                             length
     oan-miR-9-5p read count : 18
     mml-miR-9-5p read count : 18
     mml-miR-9-3p read count-9:4p
     cfa-miR-9 read commin-miR-9a 18
     dan-miR-9a read count
                                                              ssa-miR-9a-8-3p
     der-miR-9a read countmin-9a 180
     dgr-miR-9a read contentmin-9a-1%
     dmo-miR-9a read countin-9: 18
     dpe-miR-9a read countain-9: 18
     dse-miR-9a read countmir-9: 18
     dsi-miR-9a read conntmiR-9:48
     dvi-miR-9a-5p reachcount-9:48
     dwi-miR-9a read countain-9a 18
     dya-miR-9a read countin-9a 18
     bta-miR-9-5p readeountr-9:48
     bta-miR-9-3p readkeountr-9:60
     cte-miR-9-5p read countr-9: 18
     lgi-miR-9-5p readscountr-9:48
     sko-miR-9-5p readmounts-9: 18
     spu-miR-9-5p read countr-9:48
     bfl-miR-9-5p readcountr-9:18
     tca-miR-9a-5p readgeount - 9a 18
     lmi-miR-9a-5p read count : 18
                                                              pma-miR-9a-3p
     ppc-miR-9 read count-mir-9a-1%
     dpu-miR-9-5p read count : 18
                                                            hsa-miR-9-3p
     eca-miR-9a read count
                               : 18
                                                             chi-miR-9-3p
     bma-miR-9-5p rearbeomint-9a 18
     aae-miR-9a read countmin-9a-180
     tgu-miR-9-5p reacheountr-9a 18
     tgu-miR-9-3p read countr-9:4p
     api-miR-9a read comptmiR-9a 18
     nvi-miR-9a read count
                                                             mdo-miR-9a-3p
     ppy-miR-9 read count
                               : 18
                                                              xtr-miR-9a-3p
     ngi-miR-9a read count
                               : 18
                                                             ssa-miR-9a-5-3p
     nlo-miR-9a read countmin-9a 18
     pma-miR-9a-5p read count: 18
                                                             tgu-miR-9-3p
     pma-miR-9a-3p read counts: 1
     asu-miR-9-5p read count : 18
                                                            mm1-miR-9-3p
     aca-miR-9-5p read count : 18
                                                             efu-miR-9-3p
     aca-miR-9-1-3p reacheount-9-15p
     ola-miR-9a-3p reacheounte-9:1
     ola-miR-9b-5p read count-9: 18
     ola-miR-9a-5p read count : 18
                                                              ssa-miR-9a-2-3p
     sha-miR-9 read count
                               : 18
                                                              mu-miR-9-3p
     hco-miR-9 read comat-miR-9: 18
     cgr-miR-9 read coaput-miR-9a 18
     ssc-miR-9 read compt-miR-9a 18
```

hta-miR-9-3p

pol-miR-9b-5p reacheount-9: 18 ccr-miR-9-5p reacheountr-9: 18 ccr-miR-9-5p read count : 1

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
```

```
asu-miR-9-5p
              dse-miR-9a
ggaagcgaguuguuaucuuugguuaucuagcuguaugaguguauuggucuucanaaamirRaganaadpgaaaguaaaaacuccuuca
              ssa-miR-9a-5p
              mdo-miR-9a-5p
              age-miR-9
              lla-miR-9
              ptr-miR-9
              efu-miR-9-5p
              pmi-miR-9-5p
              dsi-miR-9a
              dwi-miR-9a
              oan-miR-9-5p
              xtr-miR-9-5p
              ppc-miR-9
              spu-miR-9-5p
              ppy-miR-9
              bta-miR-9-5p
              ccr-miR-9-3p
              dgr-miR-9a
                                                    pma-miR-9a-3p
              lmi-miR-9a-5p
                                                   hsa-miR-9-3p
                                                   chi-miR-9-3p
              der-miR-9a
              xtr-miR-9a-5p
              dps-miR-9a
              aca-miR-9-5p
              dmo-miR-9a
                                                   mdo-miR-9a-3p
                                                    xtr-miR-9a-3p
                                                   ssa-miR-9a-5-3p
              ngi-miR-9a
                                                   tgu-miR-9-3p
              mne-miR-9
                                                   mml-miR-9-3p
                                                   efu-miR-9-3p
               bma-miR-9-5p
              ssc-miR-9-1
              cgr-miR-9
                                                    ssa-miR-9a-2-3p
                                                   mmu-miR-9-3p
              sha-miR-9
              api-miR-9a
              dya-miR-9a
              ipu-miR-9
              hco-miR-9
                                                   bta-miR-9-3p
                                                   aca-miR-9-1-3p
              ola-miR-9a-5p
              dme-miR-9a-5p
              ggo-miR-9
              cfa-miR-9
              dpe-miR-9a
              ssc-miR-9
              ame-miR-9a
                                                   rno-miR-9a-3p
              dre-miR-9-5p
              dan-miR-9a
              aga-miR-9a
              bfl-miR-9-5p
              bbe-miR-9-5p
              lva-miR-9-5p
                                                   ssa-miR-9a-4-3p
              hsa-miR-9-5p
              bmo-miR-9a-5p
                                                    xtr-miR-9-3p
              dvi-miR-9a-5p
              pol-miR-9b-5p
              gga-miR-9-5p
                                                    ccr-miR-9-5p
                                                    dre-miR-9-3p
              ola-miR-9b-5p
              mmu-miR-9-5p
              cte-miR-9-5p
              ssc-miR-9-2
              aae-miR-9a
              eca-miR-9a
              nvi-miR-9a
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