```
miRBase precursor
                                                      : bta-mir-7-1
                                                      : 21060
       Total read count
       dme-miR-7-5p read count
                                                                                                          5 by 66 concentration and serious and seri
       hsa-miR-7-5p read count
                                                     : 234
       rno-miR-7a-5p read count : 234
       mmu-miR-7a-5p read count: 234
       gga-miR-7 read count
                                                      : 234
       dps-miR-7 read count
       dre-miR-7a read count
                                                      . 234
       ame-miR-7-5p read count
                                                      234
       aga-miR-7 read count
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       ssc-miR-7-5p read count
                                                      : 234
       ggo-miR-7 read count
                                                      : 234
       ppy-miR-7 read count
                                                      : 234
       sla-miR-7 read count
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       lla-miR-7 read count
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       mne-miR-7 read count
                                                      : 234
       ppa-miR-7 read count
                                                      : 234
       ptr-miR-7 read count
                                                      : 234
         ru-miR-7 read count
                                                      : 234
        ni-miR-7 read count
        xtr-miR-7 read count
                                                      234
                                                      : 234
       bmo-miR-7-5p read count
        ta-miR-7 read count
                                                      : 234
                                                      234
        mdo-miR-7 read count
0.5 pan-miR-7-5p read court
                                                      : 234
        odi-miR-7 read count
                                                      : 234
                                                      : 234
        cin-miR-7-5p read coun
       csa-miR-7 read count
                                                      : 234
        mml-miR-7 read count
                                                      234
      cfa-miR-7 read count
                                                       · 234
                                                      : 234
                                                                                                                                                                                           length
       dan-miR-7 read count
       der-miR-7 read count
                                                       . 234
       dgr-miR-7 read count sko-m2847-5p
       dmo-miR-7 read count aga-in 2847
       dpe-miR-7 read count 11a-m2347
       dse-miR-7 read count nbr-m2347
       dsi-miR-7 read count aca-m2347-5p
       dvi-miR-7-5p read countps-m2347
       dwi-miR-7 read count bmo-in 22347-5p
       dya-miR-7 read count bf1-m2847
       bfl-miR-7 read count mdo-m2347
       lgi-miR-7 read count rno-m2847a-5p
       sko-miR-7-5p read countru-m2347
       spu-miR-7 read count pma-in2847a-5p
       dpu-miR-7 read count dre-m2247a
       isc-miR-7 read count
                                                                                                                         cpo-miR-7-2-3p
       eca-miR-7 read count gga-m2347
       aae-miR-7 read count api-m2347
       cqu-miR-7 read count bdo-m2347
       tgu-miR-7-5p read countme-in 22347-5p
       api-miR-7 read count pca-mi2847-5p
       nvi-miR-7 read count eca-m2347
       nlo-miR-7 read count nlo-m2347
       cgr-miR-7a read count tur-m2247-5p
       pma-miR-7a-5p read count-in 2847a-5p
       aca-miR-7-5p read countqu-in 2847-5p
       tur-miR-7-5p read counthi-m2847-5p
       mse-miR-7 read count dya-in2347
       hme-miR-7 read count dwi-m2847
       ccr-miR-7a read count odi-m2347
       ipu-miR-7a read count dpe-m2347
       pmi-miR-7-5p read counte-m2247ь
       lva-miR-7-5p read counter-in 22347-5p
       bbe-miR-7-5p read countsa-in 2847a-5p
       ssa-miR-7a-5p read counto-in 2847-5p
       efu-miR-7a read count ami-m2247a-5p
       cpi-miR-7a-5p read county-in 2347
       ami-miR-7a-5p read count-m2347
       cli-miR-7a-5p read countin-in2847-5p
       pbv-miR-7-5p read counta-m2847
       chi-miR-7-5p read countino-in 2347
       tch-miR-7-5p read countan-m22847
       oha-miR-7-5p read countu-m2347
       cja-miR-7 read count ssc-m2847-5p
       pal-miR-7b-5p read countie-m2347-5p
```

tcf-miR-7 read count cpo-m2247-5p sfr-miR-7-5p read countm1-m2247 abu-miR-7 read count gmo-m2247a-5p mze-miR-7a read counthsa-m2247-5p mze-miR-7b read countmsa-m2247-5p

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guggagcagccagccccaucuggamgaelagugauuuuguuguugucuccugcgcucaacaacaagucccagucugccgcauggugcuggccaccgca
                   aca-miR-7-5p
                   dps-miR-7
                   bmo-miR-7-5p
                   bfl-miR-7
                   mdo-miR-7
                   rno-miR-7a-5p
                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
                   gga-miR-7
                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
                   tur-miR-7-5p
                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
                   dya-miR-7
                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
                   mze-miR-7b
                   sfr-miR-7-5p
                   ssa-miR-7a-5p
                   dno-miR-7-5p
                   ami-miR-7a-5p
                   ppy-miR-7
                   xtr-miR-7
                   cin-miR-7-5p
                   bta-miR-7
                   dmo-miR-7
                   dan-miR-7
                   abu-miR-7
                   ssc-miR-7-5p
                   bbe-miR-7-5p
                   cpo-miR-7-5p
                   mml-miR-7
                   gmo-miR-7a-5p
                   hsa-miR-7-5p
                   mse-miR-7
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                   oni-miR-7
                   dme-miR-7-5p
                   csa-miR-7
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                   tcf-miR-7
                   ggo-miR-7
                   tni-miR-7
                   nvi-miR-7
                   ptr-miR-7
                   dsi-miR-7
                   cqu-miR-7
                   cpi-miR-7a-5p
                   oan-miR-7-5p
                   ppa-miR-7
                   der-miR-7
                   gmo-miR-7c-5p
                   mze-miR-7a
                   cgr-miR-7a
                   dpu-miR-7
                   isc-miR-7
                   dgr-miR-7
                   mmu-miR-7a-5p
                   ccr-miR-7a
                   pny-miR-7
                   ipu-miR-7a
                   pbv-miR-7-5p
                  efu-miR-7a
                                                          dno-miR-7-2-3p
                   tch-miR-7-5p
                   dse-miR-7
                   aae-miR-7
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                   mdo-miR-7
                   rno-miR-7a-5p
                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
                   gga-miR-7
                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
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                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
                   dya-miR-7
                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
                   mze-miR-7b
                   sfr-miR-7-5p
                   ssa-miR-7a-5p
                   dno-miR-7-5p
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                   dmo-miR-7
                   dan-miR-7
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                   bbe-miR-7-5p
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                   gmo-miR-7a-5p
                   hsa-miR-7-5p
                   mse-miR-7
                   dvi-miR-7-5p
                   oni-miR-7
                   dme-miR-7-5p
                   csa-miR-7
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                   gmo-miR-7c-5p
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                   dpu-miR-7
                   isc-miR-7
                   dgr-miR-7
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                   pny-miR-7
                   ipu-miR-7a
                   pbv-miR-7-5p
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                   tch-miR-7-5p
                   dse-miR-7
                   aae-miR-7
```

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                   mdo-miR-7
                   rno-miR-7a-5p
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                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
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                   ocu-miR-7a-5p
                   dqu-miR-7-5p
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                   odi-miR-7
                   dpe-miR-7
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                   ssa-miR-7a-5p
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                   pbv-miR-7-5p
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                   aae-miR-7
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                   mdo-miR-7
                   rno-miR-7a-5p
                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   pbv-miR-7-5p
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                   dse-miR-7
                   aae-miR-7
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aga-miR-7
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                   mdo-miR-7
                   rno-miR-7a-5p
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                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   api-miR-7
                   bdo-miR-7
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                   ssa-miR-7a-5p
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                   ipu-miR-7a
                   pbv-miR-7-5p
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                   aae-miR-7
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                   mdo-miR-7
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                   pma-miR-7a-5p
                   dre-miR-7a
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                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
                   tur-miR-7-5p
                   ocu-miR-7a-5p
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                   dpe-miR-7
                   mze-miR-7b
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                   ssa-miR-7a-5p
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                   oan-miR-7-5p
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                   ipu-miR-7a
                   pbv-miR-7-5p
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                   pma-miR-7a-5p
                   dre-miR-7a
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                   pbv-miR-7-5p
                  efu-miR-7a
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                   dse-miR-7
                   aae-miR-7
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```
aga-miR-7
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                   mdo-miR-7
                   rno-miR-7a-5p
                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
                   gga-miR-7
                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
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                   ocu-miR-7a-5p
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                   chi-miR-7-5p
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                   ssa-miR-7a-5p
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                   hsa-miR-7-5p
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                   nvi-miR-7
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                   cqu-miR-7
                   cpi-miR-7a-5p
                   oan-miR-7-5p
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                   cgr-miR-7a
                   dpu-miR-7
                   isc-miR-7
                   dgr-miR-7
                   mmu-miR-7a-5p
                   ccr-miR-7a
                   pny-miR-7
                   ipu-miR-7a
                   pbv-miR-7-5p
                  efu-miR-7a
                                                          dno-miR-7-2-3p
                   tch-miR-7-5p
                   dse-miR-7
                   aae-miR-7
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                   bmo-miR-7-5p
                   bfl-miR-7
                   mdo-miR-7
                   rno-miR-7a-5p
                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
                   gga-miR-7
                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
                   tur-miR-7-5p
                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
                   dya-miR-7
                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
                   mze-miR-7b
                   sfr-miR-7-5p
                   ssa-miR-7a-5p
                   dno-miR-7-5p
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                   cin-miR-7-5p
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                   dmo-miR-7
                   dan-miR-7
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                   cpo-miR-7-5p
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                   mse-miR-7
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                   oni-miR-7
                   dme-miR-7-5p
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                   tni-miR-7
                   nvi-miR-7
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                   dsi-miR-7
                   cqu-miR-7
                   cpi-miR-7a-5p
                   oan-miR-7-5p
                   ppa-miR-7
                   der-miR-7
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                   cgr-miR-7a
                   dpu-miR-7
                   isc-miR-7
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                   mmu-miR-7a-5p
                   ccr-miR-7a
                   pny-miR-7
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                   pbv-miR-7-5p
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                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
                   tur-miR-7-5p
                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
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                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
                   mze-miR-7b
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                   ssa-miR-7a-5p
                   dno-miR-7-5p
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                   pma-miR-7a-5p
                   dre-miR-7a
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                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
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                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
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                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
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                   ssa-miR-7a-5p
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                   pbv-miR-7-5p
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                   dpe-miR-7
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                   pbv-miR-7-5p
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                   dre-miR-7a
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                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
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                   dpe-miR-7
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                   pbv-miR-7-5p
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                   dpe-miR-7
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                   pbv-miR-7-5p
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                   dre-miR-7a
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                   pca-miR-7-5p
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                   pbv-miR-7-5p
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                   dse-miR-7
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aga-miR-7
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                   mdo-miR-7
                   rno-miR-7a-5p
                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
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                   ipu-miR-7a
                   pbv-miR-7-5p
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                   dse-miR-7
                   aae-miR-7
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aga-miR-7
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                   dre-miR-7a
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                   pca-miR-7-5p
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                   cqu-miR-7
                   cpi-miR-7a-5p
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                   ppa-miR-7
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                   dpu-miR-7
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                   dgr-miR-7
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                   pny-miR-7
                   ipu-miR-7a
                   pbv-miR-7-5p
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                   dse-miR-7
                   aae-miR-7
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                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   dme-miR-7-5p
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                   tni-miR-7
                   nvi-miR-7
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                   cqu-miR-7
                   cpi-miR-7a-5p
                   oan-miR-7-5p
                   ppa-miR-7
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                   cgr-miR-7a
                   dpu-miR-7
                   isc-miR-7
                   dgr-miR-7
                   mmu-miR-7a-5p
                   ccr-miR-7a
                   pny-miR-7
                   ipu-miR-7a
                   pbv-miR-7-5p
                  efu-miR-7a
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                   dse-miR-7
                   aae-miR-7
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                   mdo-miR-7
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                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
                   tur-miR-7-5p
                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
                   dya-miR-7
                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
                   mze-miR-7b
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                   ssa-miR-7a-5p
                   dno-miR-7-5p
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                   dmo-miR-7
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                   oan-miR-7-5p
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                   dre-miR-7a
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                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
                   tur-miR-7-5p
                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
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                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
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                   ssa-miR-7a-5p
                   dno-miR-7-5p
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                   chi-miR-7-5p
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                   odi-miR-7
                   dpe-miR-7
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                   ssa-miR-7a-5p
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                   eca-miR-7
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                   pbv-miR-7-5p
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                   dse-miR-7
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aga-miR-7
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                   mdo-miR-7
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                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   api-miR-7
                   bdo-miR-7
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                   pca-miR-7-5p
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                   pbv-miR-7-5p
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aga-miR-7
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                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
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                   pny-miR-7
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                   pbv-miR-7-5p
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                   dse-miR-7
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                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   api-miR-7
                   bdo-miR-7
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                   pca-miR-7-5p
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                   pbv-miR-7-5p
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                   pca-miR-7-5p
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                   dre-miR-7a
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                   pbv-miR-7-5p
                  efu-miR-7a
                                                          dno-miR-7-2-3p
                   tch-miR-7-5p
                   dse-miR-7
                   aae-miR-7
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                   bmo-miR-7-5p
                   bfl-miR-7
                   mdo-miR-7
                   rno-miR-7a-5p
                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
                   gga-miR-7
                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
                   tur-miR-7-5p
                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
                   dya-miR-7
                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
                   mze-miR-7b
                   sfr-miR-7-5p
                   ssa-miR-7a-5p
                   dno-miR-7-5p
                   ami-miR-7a-5p
                   ppy-miR-7
                   xtr-miR-7
                   cin-miR-7-5p
                   bta-miR-7
                   dmo-miR-7
                   dan-miR-7
                   abu-miR-7
                   ssc-miR-7-5p
                   bbe-miR-7-5p
                   cpo-miR-7-5p
                   mml-miR-7
                   gmo-miR-7a-5p
                   hsa-miR-7-5p
                   mse-miR-7
                   dvi-miR-7-5p
                   oni-miR-7
                   dme-miR-7-5p
                   csa-miR-7
                   lva-miR-7-5p
                   tcf-miR-7
                   ggo-miR-7
                   tni-miR-7
                   nvi-miR-7
                   ptr-miR-7
                   dsi-miR-7
                   cqu-miR-7
                   cpi-miR-7a-5p
                   oan-miR-7-5p
                   ppa-miR-7
                   der-miR-7
                   gmo-miR-7c-5p
                   mze-miR-7a
                   cgr-miR-7a
                   dpu-miR-7
                   isc-miR-7
                   dgr-miR-7
                   mmu-miR-7a-5p
                   ccr-miR-7a
                   pny-miR-7
                   ipu-miR-7a
                   pbv-miR-7-5p
                  efu-miR-7a
                                                          dno-miR-7-2-3p
                   tch-miR-7-5p
                   dse-miR-7
                   aae-miR-7
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                   bfl-miR-7
                   mdo-miR-7
                   rno-miR-7a-5p
                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
                   gga-miR-7
                   api-miR-7
                   bdo-miR-7
                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
                   nlo-miR-7
                   tur-miR-7-5p
                   ocu-miR-7a-5p
                   dqu-miR-7-5p
                   chi-miR-7-5p
                   dya-miR-7
                   dwi-miR-7
                   odi-miR-7
                   dpe-miR-7
                   mze-miR-7b
                   sfr-miR-7-5p
                   ssa-miR-7a-5p
                   dno-miR-7-5p
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                   dan-miR-7
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                   dgr-miR-7
                   mmu-miR-7a-5p
                   ccr-miR-7a
                   pny-miR-7
                   ipu-miR-7a
                   pbv-miR-7-5p
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                   fru-miR-7
                   pma-miR-7a-5p
                   dre-miR-7a
                                                          cpo-miR-7-2-3p
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                   api-miR-7
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                   ame-miR-7-5p
                   pca-miR-7-5p
                   eca-miR-7
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                   ssa-miR-7a-5p
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                   fru-miR-7
                   pma-miR-7a-5p
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