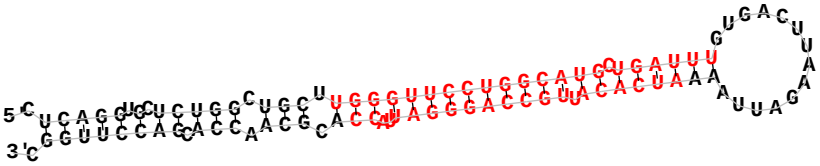
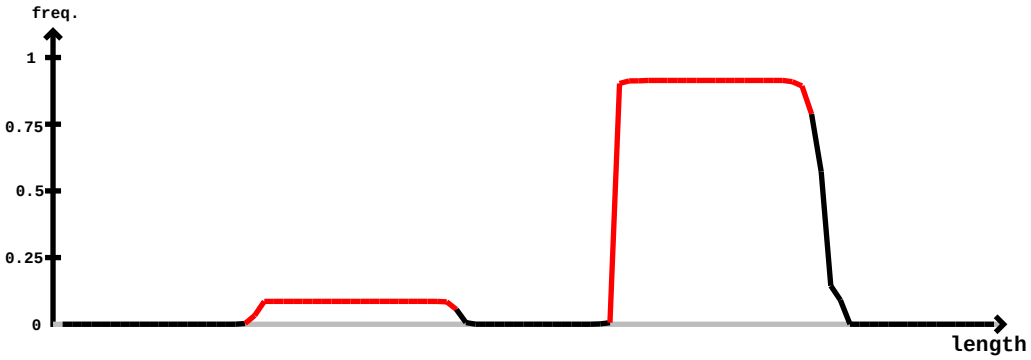
miRBase precursor : hsa-mir-23b
Total read count : 18768
hsa-miR-23b-3p read count : 17156
hsa-miR-23b-5p read count : 1611
remaining reads : 17157





hsa-miR-23b-5p

hsa-miR-23b-3p

```
5'- cucaggugcucuggcugcuugggguuccuggcaugcugauuugugacuuaagauuaaaaucacauugccagggauuaccacgcaaccacgaccuuggc  -3'    exp
    .((((((.(.((((((.(((.(((((((((((((((.((((((.............)))))))).)))))))))))..))).))).))).)))))))).    reads      mm         sample
    ................cuuggguuccuUgcaugcugauu.....................................................................    1          1          hsa
    ................cuuggguuccuggcaugcugauu.....................................................................    1          0          hsa
    ................uuggguuccuggcaugcuga........................................................................    1          0          hsa
    ................uuggguuccuggcaugcugau.......................................................................    4          0          hsa
    ................uugggGuccuggcaugcugauu.....................................................................    1          1          hsa
    ................uuggguuccuggcaugcugauG.....................................................................    1          1          hsa
    ................uuggUuuccuggcaugcugauu.....................................................................    1          1          hsa
    ................uuggguuccuggcaugcugauA.....................................................................    1          1          hsa
    ................Auggguuccuggcaugcugauu.....................................................................    1          1          hsa
    ................uuggguuccuggcaugcugauu.....................................................................    23         0          hsa
    ................uuggguuccuggcaugcugauuu....................................................................    15         0          hsa
    ................Cuggguuccuggcaugcugauuu....................................................................    2          1          hsa
    ................uuggguuccuggcaugcugauuA....................................................................    1          1          hsa
    ................uggguuccuggcaugcug..........................................................................    1          0          hsa
    ................uggguuccuggcaugcugau.........................................................................    7          0          hsa
    ................uggguuccuggUaugcugauu.....................................................................    1          1          hsa
    ................ugggCuccuggcaugcugauu.....................................................................    1          1          hsa
    ................Cgggguuccuggcaugcugauu.....................................................................    1          1          hsa
    ................uggguuccuggcaugcugCuu......................................................................    2          1          hsa
    ................uggguuccuggcaugcugauu.....................................................................    57         0          hsa
    ................uggguuccuggcaugcugauA.....................................................................    1          1          hsa
    ................uggguuccuAgcaugcugauuu....................................................................    1          1          hsa
    ................ugggAuccuggcaugcugauuu....................................................................    1          1          hsa
    ................uggUuuccuggcaugcugauuu....................................................................    3          1          hsa
    ................uCgguuccuggcaugcugauuu....................................................................    1          1          hsa
    ................uggguuccuUgcaugcugauuu....................................................................    5          1          hsa
    ................uggAuuccuggcaugcugauuu....................................................................    1          1          hsa
    ................uggguuccuggcaugcCgauuu....................................................................    1          1          hsa
    ................uggguuccuggcauUcugauuu....................................................................    2          1          hsa
    ................uggguuccuggcaugcugauuC....................................................................    1          1          hsa
    ................uggguuUcuggcaugcugauuu....................................................................    2          1          hsa
    ................uggguuccugAcaugcugauuu....................................................................    1          1          hsa
    ................uggguuccuggcaugcugCuuu....................................................................    1          1          hsa
    ................uggguuccugUcaugcugauuu....................................................................    1          1          hsa
```

hsa-miR-23b-5p

hsa-miR-23b-3p

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..................ugggguuccAggcaugcugauuu	1	1	hsa
..................Cgggguuccuggcaugcugauuu	1	1	hsa
..................ugggguuccuggcaugcuUauuu	3	1	hsa
..................ugggGuccuggcaugcugauuu	1	1	hsa
..................uAgguuccuggcaugcugauuu	2	1	hsa
..................uUgguuccuggcaugcugauuu	2	1	hsa
..................ugggguuccuggcaugcugauuA	1	1	hsa
..................ugggCuccuggcaugcugauuu	1	1	hsa
..................ugggguuccuggcaugcuAauuu	1	1	hsa
..................ugCguuccuggcaugcugauuu	1	1	hsa
..................ugggguuccuggcaugcugauuu	399	0	hsa
..................ugggguuccuggcaugcugauuug	1	0	hsa
..................ugggguuccuggcaugcugauuuU	13	1	hsa
..................ugggguuccuggcaugcugauuuA	42	1	hsa
..................ugggguuccuggcaugcugauuuAu	2	1	hsa
..................gggCuccuggcaugcuga	1	1	hsa
..................gggguuccuggcaugcuga	2	0	hsa
..................gggGuccuggcaugcugau	1	1	hsa
..................gggguuccuggcaugcugaA	1	1	hsa
..................gggguuccuggcaugcugau	15	0	hsa
..................gggguuccuggcaugcugauC	2	1	hsa
..................ggCuuccuggcaugcugauu	1	1	hsa
..................gggCuccuggcaugcugauu	1	1	hsa
..................gggAuccuggcaugcugauu	2	1	hsa
..................gggguuccuggcaugcugauu	395	0	hsa
..................ggUuuccuggcaugcugauu	2	1	hsa
..................gAguuccuggcaugcugauu	1	1	hsa
..................gggguuccuggAaugcugauu	2	1	hsa
..................gggguuccugCcaugcugauu	2	1	hsa
..................gggguuUcuggcaugcugauu	1	1	hsa
..................gggguuccuggcCugcugauu	2	1	hsa
..................gggguuccuggcaugcuUauu	3	1	hsa
..................gggGuccuggcaugcugauu	4	1	hsa
..................gggguuccuggcaugcugCuu	2	1	hsa
..................gggguuccuggcaugcugauA	2	1	hsa
..................gggguuccuggcaugUugauu	1	1	hsa
..................ggguCccuggcaugcugauu	1	1	hsa
..................gggguuccuUgcaugcugauu	2	1	hsa
..................gggguuccuggcaugcuAauu	2	1	hsa
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..................gUguuccuggcaugcugauu	3	1	hsa
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..................gggguuccuggcauUcugauuu	1	1	hsa
..................ggguuUcuggcaugcugauuu	2	1	hsa
..................gggguuccuggcaugcugauCu	1	1	hsa
..................gggguuccugUcaugcugauuu	1	1	hsa
..................gggguuccugCcaugcugauuu	2	1	hsa
..................gggguuccuggcaugcugauuA	22	1	hsa
..................Agguuccuggcaugcugauuu	1	1	hsa
..................gggguuccuUgcaugcugauuu	2	1	hsa
..................gggguuccuggcCugcugauuu	2	1	hsa
..................gAguuccuggcaugcugauuu	3	1	hsa
..................ggAuuccuggcaugcugauuu	1	1	hsa
..................ggUuuccuggcaugcugauuu	3	1	hsa
..................gggguuccuggcaugGugauuu	2	1	hsa
..................gCguuccuggcaugcugauuu	1	1	hsa
..................gggguuccuggcaugcugaAuu	1	1	hsa
..................gggguuccuCgcaugcugauuu	2	1	hsa
..................gggGuccuggcaugcugauuu	2	1	hsa
..................ggguAccuggcaugcugauuu	1	1	hsa
..................gggguuccuggcGugcugauuu	1	1	hsa
..................gggCuccuggcaugcugauuu	1	1	hsa
..................gggguuccuggAaugcugauuu	1	1	hsa
..................gggguuccuggcaCgcugauuu	1	1	hsa
..................gggguuccuggcaugcugauuC	4	1	hsa
..................gggguuccuggcaugcuUauuu	2	1	hsa
..................gggguuccuggcaugcugauuu	409	0	hsa

hsa-miR-23b-5p

hsa-miR-23b-3p

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.....gggAuccuggcaugcugauuu.....	1	1	hsa
.....gggguuccuggcauAcugauuu.....	1	1	hsa
.....gggguuccGggcaugcugauuu.....	1	1	hsa
.....gggguuccuggcaugcuAauuug.....	1	1	hsa
.....gggguuccugCcaugcugauuug.....	1	1	hsa
.....gggguuccuggcaugcugauuuA.....	25	1	hsa
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.....gggguuccuggcauUcugauuug.....	1	1	hsa
.....gggguuccuggcaugcuUauuug.....	2	1	hsa
.....gggguuccuggcaugcugauuuC.....	1	1	hsa
.....gguuccuggcaugcugauu.....	1	0	hsa
.....gguuccuggcaugcugauuu.....	1	0	hsa
.....augcugauuugugacuuaa.....	1	0	hsa
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.....aaaucacauugccagggauuac.....	1	0	hsa
.....aaaucacauugccagggauuUcc.....	3	1	hsa
.....aaaucacauugccagggauuUcca.....	12	1	hsa
.....aaaucacauugccagggauuacca.....	2	0	hsa
.....aaaucacauugccagggauuaccaU.....	1	1	hsa
.....aaaucacauugccagggauuaccac.....	2	0	hsa
.....aaucacauugccagggauu.....	2	0	hsa
.....aaucacauugccagggauuU.....	4	1	hsa
.....aaucacauugccagggauuUc.....	16	1	hsa
.....aaucacauugccagggauuac.....	2	0	hsa
.....Caucacauugccagggauuac.....	2	1	hsa
.....aaucacauugccagggauuUcc.....	30	1	hsa
.....aaucacCuugccagggauuacc.....	1	1	hsa
.....aaucacauugccagggauuUcca.....	22	1	hsa
.....aaucacauugccagggCuuacca.....	1	1	hsa
.....Caucacauugccagggauuacca.....	2	1	hsa
.....aaucacauugccagggauuacca.....	5	0	hsa
.....aaucacauugccagggauuaccaU.....	1	1	hsa
.....aaucacauugccagggauuaccacU.....	1	1	hsa
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.....aucacauugccagggauA.....	1	1	hsa
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.....aucacauugAcagggauua.....	1	1	hsa
.....aucacauugccagggauuaU.....	4	1	hsa
.....aucGcauugccagggauuac.....	1	1	hsa
.....aucacauugccagggauuac.....	56	0	hsa
.....aucacauugccagggauuCc.....	5	1	hsa
.....aucacauugccagggauuaA.....	2	1	hsa
.....aucacaAugccagggauuac.....	1	1	hsa
.....aucacauugccCgggauuac.....	1	1	hsa
.....aucaUauugccagggauuac.....	1	1	hsa
.....aucacaCugccagggauuac.....	3	1	hsa
.....aucacauugccagggauuGc.....	3	1	hsa
.....aucacauugccagggauuUc.....	1873	1	hsa
.....aucacauugccaggUauuac.....	1	1	hsa
.....aucacaCugccagggauuacc.....	2	1	hsa
.....aucacauugccagggauuGcc.....	4	1	hsa
.....aucacaGugccagggauuacc.....	1	1	hsa
.....aucacauugccagggauuacA.....	1	1	hsa
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.....aucacauugccagUgauuacc.....	3	1	hsa
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.....aucacauugccagggauuaUc.....	1	1	hsa
.....aucaUauugccagggauuacc.....	3	1	hsa
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hsa-miR-23b-5p

hsa-miR-23b-3p

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.....aucacauugccaggCauuacc.....	1	1	hsa
.....aucacauugcUagggauuacc.....	1	1	hsa
.....aucacauugccagggCuuacc.....	1	1	hsa
.....aGcacauugccagggauuacc.....	2	1	hsa
.....aucacauuAccagggauuacc.....	1	1	hsa
.....aucacauugccagggauuacU.....	4	1	hsa
.....aucacauugccagggauuCcc.....	6	1	hsa
.....aucGcauugccagggauuacc.....	1	1	hsa
.....aucacauugUcagggauuacc.....	2	1	hsa
.....aucacauugccagggauuacc.....	208	0	hsa
.....aucacauugccaggUauuacc.....	1	1	hsa
.....aucacauugccGgggauuacca.....	3	1	hsa
.....aucacauugccagggauuCcca.....	9	1	hsa
.....aucacauuUccagggauuacca.....	2	1	hsa
.....aucacauugccagggGuuacca.....	1	1	hsa
.....aucacauugccagggauuaccC.....	4	1	hsa
.....aucacauugccagggaCuacca.....	1	1	hsa
.....aucacauugccagggauuaccU.....	8	1	hsa
.....aucacauugccCgggauuacca.....	2	1	hsa
.....aucacauugccagggauuacUa.....	6	1	hsa
.....aGcacauugccagggauuacca.....	4	1	hsa
.....aucacauugccagggauuaUca.....	1	1	hsa
.....aucacauugccagggUuuacca.....	3	1	hsa
.....aucacauGgccagggauuacca.....	1	1	hsa
.....aucacauugccagggauuacca.....	711	0	hsa
.....aucacauugccagUgauuacca.....	7	1	hsa
.....aucaUauugccagggauuacca.....	3	1	hsa
.....aucacauugccagggauuUcca.....	7120	1	hsa
.....aucacaAugccagggauuacca.....	2	1	hsa
.....auUacauugccagggauuacca.....	4	1	hsa
.....aucacauugGcagggauuacca.....	3	1	hsa
.....aucacauugccagggauuGcca.....	4	1	hsa
.....aucacauugccaggUauuacca.....	6	1	hsa
.....aucCcauugccagggauuacca.....	4	1	hsa
.....aAcacauugccagggauuacca.....	1	1	hsa
.....aucUcauugccagggauuacca.....	1	1	hsa
.....aucacauugccagCgauuacca.....	1	1	hsa
.....aucacauugccaggAauuacca.....	1	1	hsa
.....aucacauugccagggauuaGca.....	2	1	hsa
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.....aucacauugUcagggauuacca.....	1	1	hsa
.....aucacauugAcagggauuacca.....	2	1	hsa
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.....aucaGauugccagggauuacca.....	2	1	hsa
.....aucacCuugccagggauuacca.....	2	1	hsa
.....aucacauugccCgggauuaccac.....	1	1	hsa
.....aucacauugccagggaAuaccac.....	1	1	hsa
.....aucacauugccagggauuaccaA.....	24	1	hsa
.....aucacauugccagggCuuaccac.....	4	1	hsa
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.....aucacauugccagggauuacUac.....	1	1	hsa
.....aucacauugccaggCauuaccac.....	3	1	hsa
.....auGacauugccagggauuaccac.....	1	1	hsa
.....aGcacauugccagggauuaccac.....	1	1	hsa
.....aucacauugUcagggauuaccac.....	4	1	hsa
.....aucacauuCccagggauuaccac.....	1	1	hsa
.....aucacauugccagggauuUccac.....	6	1	hsa
.....aucacauugccagggauuacGac.....	2	1	hsa
.....auUacauugccagggauuaccac.....	2	1	hsa
.....aucacauugAcagggauuaccac.....	3	1	hsa
.....aucCcauugccagggauuaccac.....	2	1	hsa
.....aucacauugccagCgauuaccac.....	1	1	hsa
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.....aucacauugccagggUuuaccac.....	1	1	hsa
.....aucGcauugccagggauuaccac.....	1	1	hsa
.....aucacauugGcagggauuaccac.....	2	1	hsa
.....auAacauugccagggauuaccac.....	1	1	hsa
.....aucacauugccagggauuaccaU.....	222	1	hsa

hsa-miR-23b-5p

hsa-miR-23b-3p

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.....aucacauugccagggauuaccCc.....	6	1	hsa
.....aucacauugccagggauuaccUc.....	2	1	hsa
.....aucacauugcUagggauuaccac.....	5	1	hsa
.....aucacauugcGagggauuaccac.....	2	1	hsa
.....aucacauugccagggauuaccaG.....	1	1	hsa
.....aucacauugccagUgauuaccac.....	9	1	hsa
.....aucacauugccaAggauuaccac.....	1	1	hsa
.....aucacauugccagggauuaccac.....	658	0	hsa
.....aucacauugccagggauuCccac.....	1	1	hsa
.....aucacauugccagAgauuaccac.....	1	1	hsa
.....aucacaCugccagggauuaccac.....	1	1	hsa
.....aucacauugccaggUauuaccac.....	6	1	hsa
.....aucacauugccaUggauuaccac.....	5	1	hsa
.....aucacCuugccagggauuaccac.....	1	1	hsa
.....aucacauugccaggAauuaccac.....	1	1	hsa
.....aucacauugUcagggauuaccacg.....	1	1	hsa
.....aCcacauugccagggauuaccacg.....	1	1	hsa
.....aucacauugccagggauuaccacU.....	1402	1	hsa
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.....aucacauugccagggauuaccacA.....	125	1	hsa
.....aucacauugccagggauuaccacC.....	43	1	hsa
.....aucacauugccaggUauuaccacg.....	1	1	hsa
.....aucacauugccagggauuaccacg.....	13	0	hsa
.....aucacauugccagggauuUccacg.....	2	1	hsa
.....aucacauugccagggauuaccacgU.....	1	1	hsa
.....aucacauugccagggauuaccacgA.....	1	1	hsa
.....ucacauugccagggauuU.....	2	1	hsa
.....ucacauugccagggauuUc.....	3	1	hsa
.....ucacauugccagggauuacc.....	6	0	hsa
.....ucacauugccagggauuUcc.....	16	1	hsa
.....ucacauugccagggauuacca.....	11	0	hsa
.....ucacauugccagggGuuacca.....	1	1	hsa
.....ucacauugccaggUauuacca.....	1	1	hsa
.....ucacauugccagggauuUcca.....	27	1	hsa
.....ucacauugccagggauuaccac.....	9	0	hsa
.....ucacauugccagggauuaccaA.....	1	1	hsa
.....ucacauugccagggauuaccaU.....	2	1	hsa
.....ucaGauugccagggauuaccac.....	1	1	hsa
.....ucacauugccagggauuaccacg.....	1	0	hsa
.....ucacauugccagggauuaccacA.....	12	1	hsa
.....ucacauugccagggauuaccacU.....	85	1	hsa
.....ucacauugccagggauuaccacC.....	2	1	hsa
.....ucacauugccagggauuaccacUc.....	1	1	hsa
.....cacauugccagggauuUcc.....	1	1	hsa
.....cacauugccagggauuaccac.....	1	0	hsa
.....cacauugccagggauuaccacU.....	1	1	hsa
.....acauugccagggauuUcc.....	2	1	hsa
.....acauugccagggauuacca.....	2	0	hsa
.....acauugccagggauuUcca.....	16	1	hsa
.....acauugccagggauuaccac.....	2	0	hsa
.....acauugccagggauuaccacA.....	1	1	hsa
.....acauugccagggauuaccacU.....	6	1	hsa
.....auugccagggauuaccacU.....	1	1	hsa