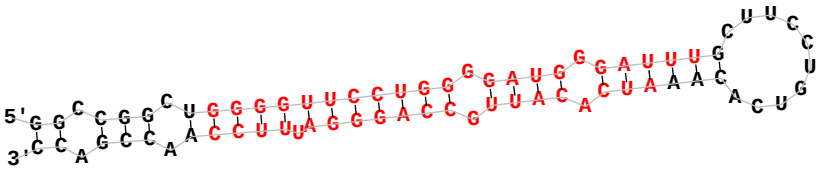
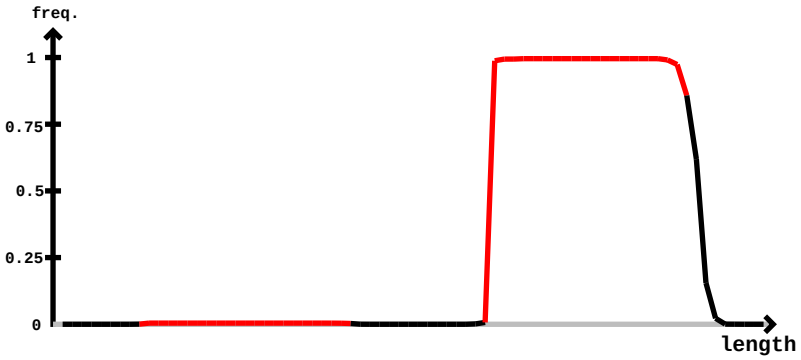
miRBase precursor : hsa-mir-23a
Total read count : 18573
hsa-miR-23a-3p read count : 18494
hsa-miR-23a-5p read count : 79
remaining reads : 18494





hsa-miR-23a-3p

hsa-miR-23a-5p

5'- ggccggcuggggguuccuggggaugggauuugcuuccugucacaaaucacauugccagggauuuccaaccgacc -3' exp
((.(((.((((((((((((.((((.((((((..........)))))).)))).)))))))).)))))).))).)) reads mm sample

.......uggggguuccuggggaugggau	2	0	hsa
.......uggggguuccuggggaugUgau	1	1	hsa
.......uggggguuccuggggaugggauu	2	0	hsa
.......uggggguuccuggggauUggauuu	1	1	hsa
.......uggggguuccuggggaugggauuu	2	0	hsa
.......uggggguuccuggggaugggauuuA	1	1	hsa
........gggguuccuggggaugggga	1	0	hsa
........gggguuccuggggaugggau	1	0	hsa
........gggguuccuggggaCgggau	1	1	hsa
........gggguuccuggggaugggCuu	1	1	hsa
........gggguuccuggggaugggauA	2	1	hsa
........gggguuccuggggaugggauu	14	0	hsa
........ggggAuccuggggaugggauu	1	1	hsa
........ggggCuccuggggaugggauuu	1	1	hsa
........gggUuuccuggggaugggauuu	1	1	hsa
........gggguuccuggggaugggUuuu	1	1	hsa
........ggggGuccuggggaugggauuu	1	1	hsa
........gggguuccuggggaugggauuu	37	0	hsa
........gCgguuccuggggaugggauuu	2	1	hsa
........gggguuccuggggaugUgauuu	2	1	hsa
........gggguuccugUggaugggauuu	1	1	hsa
........gggguuccuggggaugggauuuA	2	1	hsa
........gggguuccuggggaugggauuuU	1	1	hsa
.....aaaucacauugccagggauuuc.....	3	0	hsa
.....aaaucacauGgccagggauuuc.....	1	1	hsa
.....aaaucacauugccagggauuAc.....	1	1	hsa
.....aaaucacauugccaggUauuucc.....	1	1	hsa
.....aaaucacauugccagggauuucc.....	3	0	hsa
.....aaaucaAauugccagggauuucca.....	1	1	hsa
.....aaaucacauugccagggauuucca.....	12	0	hsa
.....aCaucacauugccagggauuucca.....	1	1	hsa
.....aaaucacauugccagggauuAcca.....	2	1	hsa
.....aaaucacauugAcagggauuucca.....	1	1	hsa
.....aaucacauugccagggauu.....	2	0	hsa

hsa-miR-23a-3p

hsa-miR-23a-5p

ggccggcuggggguuccuggggaugggauuugcuuccugucacaaaucacauugccagggauuuccaaccgacc

.....aaucacauugccagggauuu.....	4	0	hsa
.....aaucacauugccagUgauuuc.....	1	1	hsa
.....aaucacauugccagggauuAc.....	2	1	hsa
.....aaucacauugccagggauuuc.....	16	0	hsa
.....aCucacauugccagggauuuc.....	3	1	hsa
.....aaucacauugccagggGuuuc.....	1	1	hsa
.....aaucacauugccagggCuuucc.....	1	1	hsa
.....aaucUcauugccagggauuucc.....	1	1	hsa
.....Caucacauugccagggauuucc.....	1	1	hsa
.....aaucacauugccagggauuucc.....	30	0	hsa
.....aaucacauuAccagggauuucca.....	1	1	hsa
.....aaucacauugccaUggauuucca.....	1	1	hsa
.....aaucacauugccaggUauuucca.....	1	1	hsa
.....aaucacauugccagggauuAcca.....	5	1	hsa
.....aaucacauuUccagggauuucca.....	1	1	hsa
.....Caucacauugccagggauuucca.....	5	1	hsa
.....aaucacauugccagggauuucca.....	22	0	hsa
.....aaucacauugccagggauuuccaa.....	3	0	hsa
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.....aucacauugccagggauu.....	83	0	hsa
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.....aucacauugccCgggauu.....	1	1	hsa
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.....aucaUauugccagggauuu.....	1	1	hsa
.....auGacauugccagggauuu.....	1	1	hsa
.....aucacauugccagUgauuu.....	1	1	hsa
.....aucCcauugccagggauuu.....	1	1	hsa
.....aGcacauugccagggauuu.....	1	1	hsa
.....aucacauugccCgggauuu.....	2	1	hsa
.....aucacauugccagggauuA.....	21	1	hsa
.....aucacauugcUagggauuu.....	1	1	hsa
.....aucacauugccagggCuuu.....	1	1	hsa
.....aucacauugUcagggauuu.....	2	1	hsa
.....Cucacauugccagggauuu.....	1	1	hsa
.....aucacauuCccagggauuu.....	1	1	hsa
.....aucacauugccaggUauuu.....	3	1	hsa
.....aucacauuUccagggauuu.....	1	1	hsa
.....aucacauugccagggauuu.....	270	0	hsa
.....aucacauugccagggaAuu.....	1	1	hsa
.....auUacauugccagggauuu.....	1	1	hsa
.....aucacauugccaUggauuu.....	1	1	hsa
.....aucacauugGcagggauuuc.....	3	1	hsa
.....aucacauugccagggauCuc.....	1	1	hsa
.....aucacauugccagggauGuc.....	1	1	hsa
.....aucacauugccagggaCuuc.....	2	1	hsa
.....aucacauugccagggauAuc.....	1	1	hsa
.....aGcacauugccagggauuuc.....	1	1	hsa
.....aucacauugccCgggauuuc.....	1	1	hsa
.....aucacCuugccagggauuuc.....	1	1	hsa
.....aucacaAugccagggauuuc.....	1	1	hsa
.....aucacauGgccagggauuuc.....	1	1	hsa
.....aucacauugccaCggauuuc.....	1	1	hsa
.....aucacaGugccagggauuuc.....	1	1	hsa
.....aucacauugccagggauuuG.....	1	1	hsa
.....aucacauugccagUgauuuc.....	16	1	hsa
.....aucacauugccagggauuuA.....	29	1	hsa
.....aucacauuCccagggauuuc.....	1	1	hsa
.....aucacauCgccagggauuuc.....	2	1	hsa
.....aucacauugccagggauuuU.....	12	1	hsa
.....aucacauugccGgggauuuc.....	1	1	hsa
.....aucCcauugccagggauuuc.....	2	1	hsa
.....aucUcauugccagggauuuc.....	1	1	hsa
.....aucaUauugccagggauuuc.....	2	1	hsa
.....Cucacauugccagggauuuc.....	2	1	hsa
.....aucacauugccaUggauuuc.....	5	1	hsa
.....aCcacauugccagggauuuc.....	6	1	hsa
.....aucacauugccagggaAuuc.....	1	1	hsa

hsa-miR-23a-3p

hsa-miR-23a-5p

ggccggcuggggguuccuggggaugggauuugcuuccugucacaaaucacauugccagggauuuccaaccgacc

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.....aucacauugccagggauuCc.....	5	1	hsa
.....auAacauugccagggauuuc.....	3	1	hsa
.....aucacauugccaggCauuuc.....	1	1	hsa
.....aucacauugcGagggauuuc.....	2	1	hsa
.....aucacauugccaggUauuuc.....	15	1	hsa
.....aucacauugccaggAauuuc.....	1	1	hsa
.....aucacauugccagggaGuuc.....	1	1	hsa
.....aucacauugccagggauuAc.....	56	1	hsa
.....auUacauugccagggauuuc.....	4	1	hsa
.....aucacauugccaAggauuuc.....	1	1	hsa
.....aucacauAgccagggauuuc.....	2	1	hsa
.....aucacauuAccagggauuuc.....	2	1	hsa
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.....aucacauugccagggUuuuc.....	3	1	hsa
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.....aucacauuUccagggauuuc.....	7	1	hsa
.....aucacauugccagggCuuuc.....	12	1	hsa
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.....aucacauugUcagggauuuc.....	9	1	hsa
.....aucacauuUccagggauuucc.....	8	1	hsa
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.....aucacauugccagggauuCcc.....	6	1	hsa
.....aucacauugccagggCuuucc.....	25	1	hsa
.....auAacauugccagggauuucc.....	5	1	hsa
.....aucacauugccaggAauuucc.....	1	1	hsa
.....aucacauugccagggauuGcc.....	4	1	hsa
.....aucacauAgccagggauuucc.....	3	1	hsa
.....aucacauugccagggauuucc.....	3745	0	hsa
.....aucacCuugccagggauuucc.....	2	1	hsa
.....aucacauCgccagggauuucc.....	3	1	hsa
.....aucacauugccUgggauuucc.....	2	1	hsa
.....aucacUuugccagggauuucc.....	1	1	hsa
.....aucacauugccagggauuucU.....	41	1	hsa
.....aucacauugccaggCauuucc.....	1	1	hsa
.....aucacauugccagggaCuucc.....	2	1	hsa
.....aucacauugcUagggauuucc.....	11	1	hsa
.....aucaUauugccagggauuucc.....	6	1	hsa
.....aucacauGgccagggauuucc.....	1	1	hsa
.....aucacauugccagggauuucA.....	69	1	hsa
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.....aucaAauugccagggauuucc.....	1	1	hsa
.....aucacauugccaUggauuucc.....	4	1	hsa
.....aucacauugccCgggauuucc.....	6	1	hsa
.....Gucacauugccagggauuucc.....	2	1	hsa
.....aucacaCugccagggauuucc.....	1	1	hsa
.....aucacauugccagggauGucc.....	1	1	hsa
.....aucacaAugccagggauuucc.....	2	1	hsa
.....aucacauugccagggauuAcc.....	208	1	hsa
.....Uucacauugccagggauuucc.....	1	1	hsa
.....aucacauuCccagggauuucc.....	1	1	hsa
.....aucacauugGcagggauuucc.....	7	1	hsa
.....aucacaGugccagggauuucc.....	1	1	hsa
.....aucacauuAccagggauuucc.....	3	1	hsa
.....aucacauugccagggauuuAc.....	2	1	hsa

hsa-miR-23a-3p

hsa-miR-23a-5p

ggccggcuggggguuccuggggaugggauuugcuuccugucacaaaucacauugccagggauuuccaaccgacc

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.....aucGcauugccagggauuucc..... 3 1 hsa
.....aGcacauugccagggauuucc..... 3 1 hsa
.....aucacauugcGagggauuucc..... 1 1 hsa
.....aucUcauugccagggauuucc..... 2 1 hsa
.....aucacauugAcagggauuucc..... 9 1 hsa
.....Cucacauugccagggauuucc..... 13 1 hsa
.....aucacauugccagggauuuUc..... 9 1 hsa
.....aucCcauugccagggauuucc..... 15 1 hsa
.....auUacauugccagggauuucc..... 10 1 hsa
.....aAcacauugccagggauuucc..... 5 1 hsa
.....aucacauugccGgggauuucc..... 6 1 hsa
.....aucacGuugccagggauuucc..... 1 1 hsa
.....aucacCuugccagggauuucca..... 8 1 hsa
.....aucacauugccaAggauuucca..... 2 1 hsa
.....auUacauugccagggauuucca..... 13 1 hsa
.....aucacauugccaCggauuucca..... 1 1 hsa
.....aucacauugccagAgauuucca..... 8 1 hsa
.....aucacauugccUgggauuucca..... 6 1 hsa
.....aucacauugccagggauuAcca..... 711 1 hsa
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.....aucacauugccaggUauuucca..... 60 1 hsa
.....aucacauugccCgggauuucca..... 6 1 hsa
.....aucUcauugccagggauuucca..... 7 1 hsa
.....aucacauugccaUggauuucca..... 15 1 hsa
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.....aucacauugccagggauGucca..... 2 1 hsa
.....aucacauGgccagggauuucca..... 7 1 hsa
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.....aucacauugccagggaGuucca..... 3 1 hsa
.....aucacauugccagggauuuccU..... 20 1 hsa
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.....aucacauugccagggCuuucca..... 56 1 hsa
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.....auAacauugccagggauuucca..... 14 1 hsa
.....aucacauugcGagggauuucca..... 5 1 hsa
.....aGcacauugccagggauuucca..... 11 1 hsa
.....aucacGuugccagggauuucca..... 3 1 hsa
.....aucacauCgccagggauuucca..... 13 1 hsa
.....aucacaGugccagggauuucca..... 4 1 hsa
.....Gucacauugccagggauuucca..... 6 1 hsa
.....aucacauugccagggauuuAca..... 2 1 hsa
.....aucacauugccagggauuucca..... 7120 0 hsa
.....aAcacauugccagggauuucca..... 11 1 hsa
.....aucacauugccagggauuCcca..... 9 1 hsa
.....aucacauugcUagggauuucca..... 18 1 hsa
.....aucacauugccagggUuuucca..... 5 1 hsa
.....Cucacauugccagggauuucca..... 9 1 hsa
.....auGacauugccagggauuucca..... 2 1 hsa
.....aucacauugccaggAauuucca..... 5 1 hsa
.....aucacauugccagggauuuUca..... 18 1 hsa
.....aucacauugccagggauuuccC..... 26 1 hsa
.....aucacauugccagggGuuucca..... 3 1 hsa
.....aucGcauugccagggauuucca..... 11 1 hsa
.....aCcacauugccagggauuucca..... 14 1 hsa
.....aucacauugGcagggauuucca..... 11 1 hsa
.....aucacauugccagggauuucAa..... 9 1 hsa
.....aucacauugccaggCauuucca..... 4 1 hsa
.....aucacauugccagggauuuccG..... 15 1 hsa

hsa-miR-23a-3p

hsa-miR-23a-5p

ggccggcuggggguuccuggggaugggauuugcuuccugucacaaaucacauugccagggauuuccaaccgacc

.....aucacauAgccagggauuucca.....	4	1	hsa
.....aucacauugccagggauuGcca.....	4	1	hsa
.....aucacauuAccagggauuucca.....	5	1	hsa
.....aucacaCugccagggauuucca.....	13	1	hsa
.....aucacauugccGgggauuucca.....	4	1	hsa
.....aucacauugccagCgauuucca.....	6	1	hsa
.....aucacauugccagggauuucUa.....	11	1	hsa
.....Uucacauugccagggauuucca.....	4	1	hsa
.....aucaGauugccagggauuucca.....	5	1	hsa
.....aucacauugccagggauuuccUa.....	2	1	hsa
.....aucacauugccaUggauuuccaa.....	1	1	hsa
.....Uucacauugccagggauuuccaa.....	1	1	hsa
.....aucGcauugccagggauuuccaa.....	1	1	hsa
.....aucacauugccUgggauuuccaa.....	1	1	hsa
.....aucacauugccagggaCuuccaa.....	1	1	hsa
.....aucacauugccagggauuucUaa.....	5	1	hsa
.....Cucacauugccagggauuuccaa.....	2	1	hsa
.....aucacauugccagggauuuccaG.....	7	1	hsa
.....aucacauugccagggauuucAaa.....	1	1	hsa
.....aucacauugccagggCuuuccaa.....	8	1	hsa
.....aucacCuugccagggauuuccaa.....	3	1	hsa
.....aucacauugGcagggauuuccaa.....	1	1	hsa
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.....aucacauugcUagggauuuccaa.....	2	1	hsa
.....aucacauugcAagggauuuccaa.....	2	1	hsa
.....aucacaAugccagggauuuccaa.....	1	1	hsa
.....aucacGuugccagggauuuccaa.....	2	1	hsa
.....aucacauugccagggaGuuccaa.....	1	1	hsa
.....aucCcauugccagggauuuccaa.....	1	1	hsa
.....aucacauugAcagggauuuccaa.....	3	1	hsa
.....aucacauugccagggauuuUcaa.....	4	1	hsa
.....aucacauugccagggauuuccaC.....	6	1	hsa
.....aucacauugccagggauGuccaa.....	3	1	hsa
.....auUacauugccagggauuuccaa.....	8	1	hsa
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.....aucaUauugccagggauuuccaa.....	2	1	hsa
.....aCcacauugccagggauuuccaa.....	1	1	hsa
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.....aAcacauugccagggauuuccaa.....	2	1	hsa
.....aucacauugUcagggauuuccaa.....	5	1	hsa
.....aGcacauugccagggauuuccaa.....	2	1	hsa
.....aucacauugccagUgauuuccaa.....	10	1	hsa
.....aucacauugccagggaAuuccaa.....	2	1	hsa
.....aucacauugccaggAauuuccaa.....	3	1	hsa
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.....aucacauugccagggauCuccaa.....	1	1	hsa
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.....aucacauugccagggauuuccCa.....	6	1	hsa
.....aucacauugccagggauuucGaa.....	1	1	hsa
.....aucacauuAccagggauuuccaa.....	2	1	hsa
.....aucacauugccagggauuAccaa.....	24	1	hsa
.....aucacauugccagggUuuuccaa.....	1	1	hsa
.....aucacauugccagAgauuuccaa.....	2	1	hsa
.....auAacauugccagggauuuccaa.....	4	1	hsa
.....aucacauugccaCggauuuccaa.....	1	1	hsa
.....aucacaCugccagggauuuccaa.....	1	1	hsa
.....aucacauuUccagggauuuccaa.....	3	1	hsa
.....aucacauugccCgggauuuccaa.....	2	1	hsa
.....aucacauugccagggauuuccaaG.....	2	1	hsa
.....aucacauugccagggauuuccaaA.....	33	1	hsa
.....aucacauugccagggauuuccaaU.....	336	1	hsa
.....aucacaCugccagggauuuccaac.....	1	1	hsa
.....aucacauugccagggauuGccaac.....	1	1	hsa
.....aucacauuUccagggauuuccaac.....	1	1	hsa
.....aucacauugccagggauuuccaUc.....	2	1	hsa
.....aucacauugccagggauuuccaac.....	11	0	hsa
.....aucacauugccagggauuuccaacA....	1	1	hsa

hsa-miR-23a-3p

hsa-miR-23a-5p

ggccggcuggggguuccuggggaugggauuugcuuccugucacaaaucacauugccagggauuuccaaccgacc

.....aucacauugccagggauuuccaacU....	1	1	hsa
.....aucacauugccagggauuuccaaccC...	3	1	hsa
.....ucacauugccagUgauuu.....	1	1	hsa
.....ucacauugccagggauuu.....	2	0	hsa
.....ucacauuUccagggauuuc.....	1	1	hsa
.....ucacauugccagggauuuc.....	3	0	hsa
.....ucacauugAcagggauuucc.....	1	1	hsa
.....ucacauugccagggauuucc.....	16	0	hsa
.....ucacauugccagggauGucc.....	1	1	hsa
.....ucacauugccagggauuAcc.....	6	1	hsa
.....ucacauugccagggauuAcca.....	11	1	hsa
.....ucacauugcGagggauuucca.....	1	1	hsa
.....ucacauugccagggauuucca.....	27	0	hsa
.....ucacauugccagggCuuucca.....	1	1	hsa
.....ucacauugcAagggauuucca.....	1	1	hsa
.....ucacCuugccagggauuucca.....	1	1	hsa
.....ucacauugccagggauuuccaU.....	4	1	hsa
.....ucacauugccagggauuuccaa.....	18	0	hsa
.....ucacauugccagggauuAccaa.....	1	1	hsa
.....ucacauugcUagggauuuccaa.....	1	1	hsa
.....ucacauugccagggauuuccaac.....	9	0	hsa
.....ucacauugccagggauuuccaaA.....	1	1	hsa
.....ucacauugccagggauuuccaaU.....	5	1	hsa
.....ucacauCgccagggauuuccaac.....	1	1	hsa
.....ucacauugccagggauuuccaacc....	1	0	hsa
.....ucacauugccagggauuuccaacU....	1	1	hsa
.....ucacauugccagggauuuccaacA....	2	1	hsa
.....cacauugccagggauuucc.....	1	0	hsa
.....cacauugccagggauuuccaaU.....	1	1	hsa
.....acauugccagggauuucc.....	2	0	hsa
.....aUauugccagggauuucc.....	1	1	hsa
.....acauugccagggauuucca.....	16	0	hsa
.....acauugccagggauuAcca.....	2	1	hsa
.....acauugccagggauuuccaG.....	1	1	hsa
.....acauugccagggauuuccaa.....	4	0	hsa
.....acauugccagggauuuccaU.....	3	1	hsa