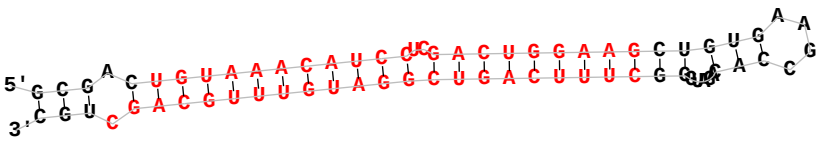
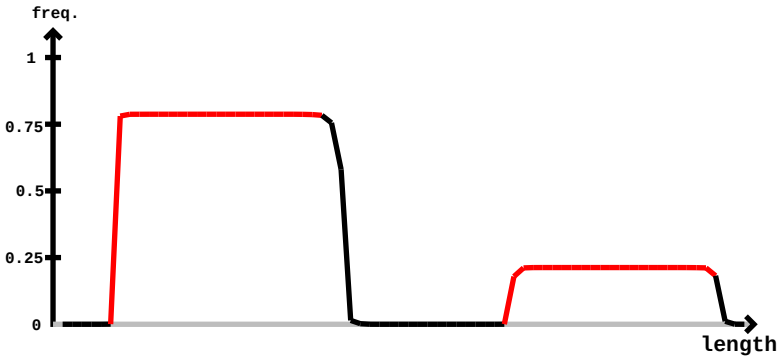
miRBase precursor : hsa-mir-30a
Total read count : 53803
hsa-miR-30a-5p read count : 42365
hsa-miR-30a-3p read count : 11436
remaining reads : 11438






hsa-miR-30a-5p

hsa-miR-30a-3p

5'- gcgacuguaaacauccucgacuggaagcugugaagccacagauggg**cuuucagucggauguuugcagc**ugc -3' exp

(((.(((((((((((..(((((((((((....))))).....)))))))))))))))))))).))) reads mm sample

...aAuguaaacauccucgacuggaagc..... 1 1 hsa
....cuguaaacauccucgacuggaag..... 3 0 hsa
....cuguaaacauccCcgacuggaag..... 2 1 hsa
....cuguaaacauccucgacuggaagU..... 2 1 hsa
....cuguaaacauccucgacuggaagc..... 2 0 hsa
....Uuguaaacauccucgacuggaagc..... 1 1 hsa
....cuguaaacauccCcgacuggaagc..... 2 1 hsa
....cuguaaacauccuUgacuggaagcu..... 2 1 hsa
....cuguaaacauccucgacuggaagcA..... 1 1 hsa
....cuguaaacauccCcgacuggaagcu..... 3 1 hsa
....cuguaaacauccucgacuggaCgcu..... 1 1 hsa
....cuguaaacauccucgacuggaagcu..... 8 0 hsa
.....uguaaacauccucgacug..... 3 0 hsa
.....uguaaacauccCcgacugg..... 3 1 hsa
.....uUuaaacauccucgacugg..... 1 1 hsa
.....uguaaacauccucgacugg..... 13 0 hsa
.....uCuaaacauccucgacugg..... 1 1 hsa
.....uguaaacauccucgacuAg..... 1 1 hsa
.....uguaaacauccucgacugga..... 32 0 hsa
.....uguaaacauccuUgacugga..... 1 1 hsa
.....uguaaacauccCcgacugga..... 15 1 hsa
.....uguaaacauccucUacugga..... 1 1 hsa
.....uguaaacCuccucgacuggaa..... 1 1 hsa
.....uguaaacauccucgacuggaG..... 3 1 hsa
.....uguaaaGauccucgacuggaa..... 1 1 hsa
.....uguaCacauccucgacuggaa..... 1 1 hsa
.....uguaaacauccucgacugUaa..... 1 1 hsa
.....uguaaacauUcucgacuggaa..... 1 1 hsa
.....uAuaaacauccucgacuggaa..... 1 1 hsa
.....uguaaacauccCcgacuggaa..... 46 1 hsa
.....uguaaacauccucgacuggaa..... 94 0 hsa
.....uguaaacauccuUgacuggaa..... 1 1 hsa
.....uguaaacauccucgacCggaag..... 2 1 hsa
.....uguaaacCuccucgacuggaag..... 2 1 hsa

hsa-miR-30a-5p

hsa-miR-30a-3p

gcgacuguaaacauccucgacuggaagcugugaagccacagauggg**cuuucagucggauguuugcagc**ugc

| | | | |
|---|---|---|---|
| .....uguaGacauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguGaacauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggCag..... | 2 | 1 | hsa |
| .....uguaaacauccCcgacuggaag..... | 318 | 1 | hsa |
| .....uUuaaacauccucgacuggaag..... | 3 | 1 | hsa |
| .....uguaaGcauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgacGggaag..... | 2 | 1 | hsa |
| .....uguaaacauccGcgacuggaag..... | 2 | 1 | hsa |
| .....uguaaCcauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgacugCaag..... | 2 | 1 | hsa |
| .....uguaaaGauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgGcuggaag..... | 1 | 1 | hsa |
| .....uguaCacauccucgacuggaag..... | 9 | 1 | hsa |
| .....uguaaacauccucAacuggaag..... | 1 | 1 | hsa |
| .....Cguaaacauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaCg..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggGag..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaaC..... | 1 | 1 | hsa |
| .....uAuaaacauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacaCccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgCcuggaag..... | 2 | 1 | hsa |
| .....uguaaacauccucgacuggaaA..... | 11 | 1 | hsa |
| .....uguaaacGuccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaaU..... | 2 | 1 | hsa |
| .....uguaaacaucGucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgacugAaag..... | 3 | 1 | hsa |
| .....uguaaacauccAcgacuggaag..... | 1 | 1 | hsa |
| .....uguaaaAauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccucgacugUaag..... | 6 | 1 | hsa |
| .....uguaaacauccucUacuggaag..... | 9 | 1 | hsa |
| .....uguaaacauccucgacuUgaag..... | 7 | 1 | hsa |
| .....uguaaaacauAcucgacuggaag..... | 2 | 1 | hsa |
| .....uguaaaacauUcucgacuggaag..... | 3 | 1 | hsa |
| .....uguaaacauccucgacuggUag..... | 2 | 1 | hsa |
| .....uguaaacauccucgUcuggaag..... | 1 | 1 | hsa |
| .....uguaaacauccuUgacuggaag..... | 18 | 1 | hsa |
| .....ugCaaacauccucgacuggaag..... | 2 | 1 | hsa |
| .....uCuaaacauccucgacuggaag..... | 1 | 1 | hsa |
| .....uguCaacauccucgacuggaag..... | 4 | 1 | hsa |
| .....uguaaacauccucgacuggaag..... | 1061 | 0 | hsa |
| .....uguaaacaucAucgacuggaag..... | 1 | 1 | hsa |
| .....uguaaacauGcucgacuggaag..... | 3 | 1 | hsa |
| .....uguaaacaucAucgacuggaagc..... | 6 | 1 | hsa |
| .....uguaaacaAccucgacuggaagc..... | 3 | 1 | hsa |
| .....uguaaacauccucgUcuggaagc..... | 3 | 1 | hsa |
| .....uguaaacauccuGgacuggaagc..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuUgaagc..... | 30 | 1 | hsa |
| .....uguaaacauUcucgacuggaagc..... | 26 | 1 | hsa |
| .....uguaaacauAcucgacuggaagc..... | 21 | 1 | hsa |
| .....uguaCacauccucgacuggaagc..... | 46 | 1 | hsa |
| .....uguaaacauccucgacuggaCgc..... | 19 | 1 | hsa |
| .....uguaaacauccucgacuAgaagc..... | 6 | 1 | hsa |
| .....uguaGacauccucgacuggaagc..... | 5 | 1 | hsa |
| .....uguaaaAauccucgacuggaagc..... | 4 | 1 | hsa |
| .....uguaaacauccucgGcuggaagc..... | 4 | 1 | hsa |
| .....uguaaacauccucgacuggaaUc..... | 25 | 1 | hsa |
| .....uguaaaGauccucgacuggaagc..... | 1 | 1 | hsa |
| .....uguCaacauccucgacuggaagc..... | 39 | 1 | hsa |
| .....uguaaacauccucgaAuggaagc..... | 6 | 1 | hsa |
| .....uguaaacauccucgacuggaGgc..... | 1 | 1 | hsa |
| .....uguaaacauGcucgacuggaagc..... | 11 | 1 | hsa |
| .....uguaaacauccucgacugAaagc..... | 9 | 1 | hsa |
| .....uguaaacauccucgaGuggaagc..... | 3 | 1 | hsa |
| .....uguaaaUauccucgacuggaagc..... | 10 | 1 | hsa |
| .....uguaaacauccucgacAggaagc..... | 1 | 1 | hsa |
| .....Aguaaacauccucgacuggaagc..... | 5 | 1 | hsa |
| .....uguaaacauccucgacuggaaAc..... | 4 | 1 | hsa |
| .....uCuaaacauccucgacuggaagc..... | 4 | 1 | hsa |
| .....uguaaacauccucgacuggaaCc..... | 6 | 1 | hsa |

hsa-miR-30a-5p

hsa-miR-30a-3p

gcgacuguaaacauccucgacuggaagcugugaagccacagauggg**cuuucagucggauguuugcagc**ugc

| | | | |
|---|---|---|---|
| .....uguaaacauccucUacuggaagc..... | 34 | 1 | hsa |
| .....uguaaacauccucAacuggaagc..... | 2 | 1 | hsa |
| .....uguaaacauccucCacuggaagc..... | 4 | 1 | hsa |
| .....uguaaacauccuUgacuggaagc..... | 134 | 1 | hsa |
| .....uguaaacaCccucgacuggaagc..... | 1 | 1 | hsa |
| .....uguaaacaucGucgacuggaagc..... | 3 | 1 | hsa |
| .....uguaaacauccucgaUuggaagc..... | 5 | 1 | hsa |
| .....uguaaacauccucgacuggaUgc..... | 5 | 1 | hsa |
| .....uguaaUcauccucgacuggaagc..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggUagc..... | 9 | 1 | hsa |
| .....uguaaacaucUucgacuggaagc..... | 21 | 1 | hsa |
| .....uguaaacauccucgacuggGagc..... | 9 | 1 | hsa |
| .....uguGaacauccucgacuggaagc..... | 2 | 1 | hsa |
| .....uguaaacauccucgacuggaagU..... | 24 | 1 | hsa |
| .....uAuaaacauccucgacuggaagc..... | 8 | 1 | hsa |
| .....uguaaacauccuAgacuggaagc..... | 3 | 1 | hsa |
| .....uguaaacauccCcgacuggaagc..... | 1656 | 1 | hsa |
| .....uguaaacauccucgacuCgaagc..... | 4 | 1 | hsa |
| .....uguaaacauccucgCcuggaagc..... | 11 | 1 | hsa |
| .....uguaaacCuccucgacuggaagc..... | 5 | 1 | hsa |
| .....uguaaacauccucgacuggaagG..... | 4 | 1 | hsa |
| .....uguaaacauccGcgacuggaagc..... | 7 | 1 | hsa |
| .....uguaaacauccucgacCggaagc..... | 3 | 1 | hsa |
| .....uUuaaacauccucgacuggaagc..... | 16 | 1 | hsa |
| .....uguaaacauccAcgacuggaagc..... | 7 | 1 | hsa |
| .....uguaUacauccucgacuggaagc..... | 2 | 1 | hsa |
| .....uguaaacauccucgacugCaagc..... | 3 | 1 | hsa |
| .....Cguaaacauccucgacuggaagc..... | 8 | 1 | hsa |
| .....uguaaacGuccucgacuggaagc..... | 4 | 1 | hsa |
| .....uguaaacauccucgacGggaagc..... | 2 | 1 | hsa |
| .....uguaaacauccucgacuggCagc..... | 13 | 1 | hsa |
| .....uguaaacauccucgacuggaagc..... | 6799 | 0 | hsa |
| .....uguUaacauccucgacuggaagc..... | 1 | 1 | hsa |
| .....ugCaaacauccucgacuggaagc..... | 8 | 1 | hsa |
| .....uguaaacauccucgacuggaagA..... | 149 | 1 | hsa |
| .....ugAaaacauccucgacuggaagc..... | 2 | 1 | hsa |
| .....uguaaacauccucgacugUaagc..... | 37 | 1 | hsa |
| .....uguaaCcauccucgacuggaagc..... | 9 | 1 | hsa |
| .....uguaaacauccucgacuggaagcG..... | 52 | 1 | hsa |
| .....uguaaacauccucgUcuggaagcu..... | 6 | 1 | hsa |
| .....uguGaacauccucgacuggaagcu..... | 24 | 1 | hsa |
| .....uguaaacauccucgacuAgaagcu..... | 13 | 1 | hsa |
| .....uguaaacauccCcgacuggaagcu..... | 11544 | 1 | hsa |
| .....uguaaaGauccucgacuggaagcu..... | 5 | 1 | hsa |
| .....uguaaacauccucgacuggaagUu..... | 20 | 1 | hsa |
| .....uguaaacCuccucgacuggaagcu..... | 31 | 1 | hsa |
| .....uguaaacauccGcgacuggaagcu..... | 19 | 1 | hsa |
| .....uguaaacauccuGgacuggaagcu..... | 6 | 1 | hsa |
| .....uguaaacauccucgacugUaagcu..... | 100 | 1 | hsa |
| .....uUuaaacauccucgacuggaagcu..... | 22 | 1 | hsa |
| .....uguaaacauccucgacuggUagcu..... | 6 | 1 | hsa |
| .....uguaaacauUcucgacuggaagcu..... | 100 | 1 | hsa |
| .....Aguaaacauccucgacuggaagcu..... | 4 | 1 | hsa |
| .....uguaaacaGccucgacuggaagcu..... | 3 | 1 | hsa |
| .....uguaaacauccucgacugCaagcu..... | 9 | 1 | hsa |
| .....uguaaacauAcucgacuggaagcu..... | 35 | 1 | hsa |
| .....uguaaacauccucgaAuggaagcu..... | 1 | 1 | hsa |
| .....uguaaacauccuUgacuggaagcu..... | 1732 | 1 | hsa |
| .....uguaaacauccucgacuggaUgcu..... | 12 | 1 | hsa |
| .....uguaaacaucUucgacuggaagcu..... | 48 | 1 | hsa |
| .....ugCaaacauccucgacuggaagcu..... | 18 | 1 | hsa |
| .....uguaaaUauccucgacuggaagcu..... | 10 | 1 | hsa |
| .....uguaaacauccucgacuggaCgcu..... | 23 | 1 | hsa |
| .....uguaaacauccucgacuggaGgcu..... | 13 | 1 | hsa |
| .....uguaaacauccucgacuCgaagcu..... | 11 | 1 | hsa |
| .....uguaaacaAccucgacuggaagcu..... | 3 | 1 | hsa |
| .....ugGaaacauccucgacuggaagcu..... | 3 | 1 | hsa |
| .....uguaaacauccucgacuggGagcu..... | 20 | 1 | hsa |
| .....uguaaacauGcucgacuggaagcu..... | 30 | 1 | hsa |

hsa-miR-30a-5p

hsa-miR-30a-3p

gcgacuguaaacauccucgacuggaagcugugaagccacagauggg**cuuucagucggauguuugcagc**ugc

| | | | |
|---|---|---|---|
| .....uguaaacauccucCacuggaagcu..... | 15 | 1 | hsa |
| .....uguaaacauccucgacuggaaUcu..... | 47 | 1 | hsa |
| .....uguaaacauccucgacuggaaAcu..... | 8 | 1 | hsa |
| .....uguaaaAauccucgacuggaagcu..... | 6 | 1 | hsa |
| .....uguaaacaCccucgacuggaagcu..... | 4 | 1 | hsa |
| .....uguaaacaucGucgacuggaagcu..... | 5 | 1 | hsa |
| .....uguaaacauccAcgacuggaagcu..... | 35 | 1 | hsa |
| .....uguaaUcauccucgacuggaagcu..... | 6 | 1 | hsa |
| .....uguaaGcauccucgacuggaagcu..... | 9 | 1 | hsa |
| .....uguaUacauccucgacuggaagcu..... | 11 | 1 | hsa |
| .....uguaaacauccucgacuggCagcu..... | 28 | 1 | hsa |
| .....uguaaacauccucgacugAaagcu..... | 9 | 1 | hsa |
| .....uguaaacauccucgacuggaagcC..... | 114 | 1 | hsa |
| .....ugAaaacauccucgacuggaagcu..... | 10 | 1 | hsa |
| .....uguaaacGuccucgacuggaagcu..... | 5 | 1 | hsa |
| .....uguaaCcauccucgacuggaagcu..... | 12 | 1 | hsa |
| .....uguaaacaucAucgacuggaagcu..... | 5 | 1 | hsa |
| .....uguaaacauccucgacuggaagAu..... | 7 | 1 | hsa |
| .....Gguaaacauccucgacuggaagcu..... | 8 | 1 | hsa |
| .....uguaaacauccuAgacuggaagcu..... | 4 | 1 | hsa |
| .....uguaaacauccucgacuggaagGu..... | 10 | 1 | hsa |
| .....uguaaacauccucgacAggaagcu..... | 3 | 1 | hsa |
| .....uguaaacauccucAacuggaagcu..... | 27 | 1 | hsa |
| .....uguaaacauccucgGcuggaagcu..... | 10 | 1 | hsa |
| .....uguaaacauccucgacGggaagcu..... | 4 | 1 | hsa |
| .....uguaaacauccucgacuggaagcu..... | 14832 | 0 | hsa |
| .....uguaaacauccucgacCggaagcu..... | 16 | 1 | hsa |
| .....uguUaacauccucgacuggaagcu..... | 3 | 1 | hsa |
| .....uguaaacauccucgacuggaaCcu..... | 17 | 1 | hsa |
| .....uCuaaacauccucgacuggaagcu..... | 14 | 1 | hsa |
| .....uguaaacauccucUacuggaagcu..... | 102 | 1 | hsa |
| .....uguaaacUuccucgacuggaagcu..... | 5 | 1 | hsa |
| .....Cguaaacauccucgacuggaagcu..... | 22 | 1 | hsa |
| .....uguaGacauccucgacuggaagcu..... | 4 | 1 | hsa |
| .....uguaCacauccucgacuggaagcu..... | 110 | 1 | hsa |
| .....uguCaacauccucgacuggaagcu..... | 82 | 1 | hsa |
| .....uguaaacauccucgacuggaagcA..... | 496 | 1 | hsa |
| .....uguaaacauccucgacuUgaagcu..... | 108 | 1 | hsa |
| .....uguaaacauccucgaUuggaagcu..... | 15 | 1 | hsa |
| .....uguaaacauccucgCcuggaagcu..... | 30 | 1 | hsa |
| .....uguaaacauccucgaGuggaagcu..... | 3 | 1 | hsa |
| .....uAuaaacauccucgacuggaagcu..... | 16 | 1 | hsa |
| .....uguaaacauccuUgacuggaagcug..... | 17 | 1 | hsa |
| .....uguaaacauccucgacuggaagcGg..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaagcuA..... | 223 | 1 | hsa |
| .....uguaaacauccucgacuggaagcuU..... | 331 | 1 | hsa |
| .....uguaaacauccucgacuggaagcAg..... | 3 | 1 | hsa |
| .....uguaaacauccCcgacuggaagcug..... | 30 | 1 | hsa |
| .....uguaaacauccucgacuggaagcug..... | 18 | 0 | hsa |
| .....uguaaacauccucgacuggaagcuC..... | 2 | 1 | hsa |
| .....uguaaacauccuUgacuggaagcugu..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaagcuAu..... | 72 | 1 | hsa |
| .....uguaaacauccucgacuggaagGugu..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaagcuUu..... | 10 | 1 | hsa |
| .....uguaaacauccucgacuggaagcugu..... | 4 | 0 | hsa |
| .....uguaaacauccucgacuggaagcGgu..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaagcugA..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaagUugu..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaagcugG..... | 2 | 1 | hsa |
| .....uguaaacauccCcgacuggaagcugu..... | 14 | 1 | hsa |
| .....uguaaacauccucgacuggaagcuAug..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaagcuguA..... | 1 | 1 | hsa |
| .....uguaaacauccucgacuggaagcuUuga..... | 1 | 1 | hsa |
| ......guaaacauccucgacuggaa..... | 1 | 0 | hsa |
| ......guaaacauccucgacuggaag..... | 11 | 0 | hsa |
| ......guaaacauccucgacuggaaA..... | 1 | 1 | hsa |
| ......guaaacauccucgacuggCag..... | 1 | 1 | hsa |
| ......guaaacauccCcgacuggaag..... | 2 | 1 | hsa |
| ......guaaacauccuUgacuggaagc..... | 1 | 1 | hsa |

hsa-miR-30a-5p

hsa-miR-30a-3p

gcgacuguaaacauccucgacuggaagcugugaagccacagauggg**cuuucagucggauguuugcagc**ugc

| | | | |
|---|---|---|---|
| ......guaaacauccucgacuggaagA..... | 2 | 1 | hsa |
| ......guaaCcauccucgacuggaagc..... | 1 | 1 | hsa |
| ......guaaacauccucgacuggCagc..... | 1 | 1 | hsa |
| ......guaaacauUcucgacuggaagc..... | 1 | 1 | hsa |
| ......guaaacauccucgacuggaagc..... | 42 | 0 | hsa |
| ......Uuaaacauccucgacuggaagc..... | 2 | 1 | hsa |
| ......guaaacauccCcgacuggaagc..... | 2 | 1 | hsa |
| ......Uuaaacauccucgacuggaagcu.... | 8 | 1 | hsa |
| ......guaaacauccucgacuggaagGu.... | 1 | 1 | hsa |
| ......guCaacauccucgacuggaagcu.... | 2 | 1 | hsa |
| ......guaCacauccucgacuggaagcu.... | 2 | 1 | hsa |
| ......guaaacauccucgacAggaagcu.... | 1 | 1 | hsa |
| ......guaaaUauccucgacuggaagcu.... | 2 | 1 | hsa |
| ......guaaacauccucgacuggaagcG.... | 1 | 1 | hsa |
| ......guaaacauccucgacuggaagcA.... | 3 | 1 | hsa |
| ......guaaacaucAucgacuggaagcu.... | 1 | 1 | hsa |
| ......guaaacauccucgCcuggaagcu.... | 1 | 1 | hsa |
| ......guaaacauccucgacuAgaagcu.... | 1 | 1 | hsa |
| ......guaaacauccucgacugUaagcu.... | 1 | 1 | hsa |
| ......guaaacauccucgacuggaaUcu.... | 1 | 1 | hsa |
| ......guaaacauccucgacuggaCgcu.... | 1 | 1 | hsa |
| ......guaaacauccucgacuUgaagcu.... | 1 | 1 | hsa |
| ......guaaacauccucgacuggaagcu.... | 142 | 0 | hsa |
| ......gGaaacauccucgacuggaagcu.... | 1 | 1 | hsa |
| ......guaaacauccuUgacuggaagcu.... | 27 | 1 | hsa |
| ......guaaacauccucgacuggaagcC.... | 1 | 1 | hsa |
| ......guaaacauccCcgacuggaagcu.... | 43 | 1 | hsa |
| ......guaaaAauccucgacuggaagcu.... | 1 | 1 | hsa |
| ......guaaacauccucgacuggaagcuU... | 16 | 1 | hsa |
| ......guaaacauccuUgacuggaagcug... | 6 | 1 | hsa |
| ......guaaacauccucgacuggaagcuA... | 16 | 1 | hsa |
| ......guaaacauccuUgacuggaagcugu.. | 4 | 1 | hsa |
| ......guaaacauccucgacuggaagcuAu.. | 4 | 1 | hsa |
| ......guaaacauccucgacuggaagcuUu.. | 1 | 1 | hsa |
| .......uaaacauccucgacuggaagc..... | 2 | 0 | hsa |
| .......uaaacauccucgacuggaagcu.... | 4 | 0 | hsa |
| .......uaaacauccCcgacuggaagcu.... | 2 | 1 | hsa |
| ........aaacauccucgacuggaagc..... | 2 | 0 | hsa |
| .........acauccucgacuggaagcA..... | 1 | 1 | hsa |
| ..........cauccucgacuggaagcu..... | 2 | 0 | hsa |
| ..........cauccuUgacuggaagcu..... | 1 | 1 | hsa |
| .....................ugggcuuucagucggauguuugcag.... | 1 | 0 | hsa |
| ....................gcuuucagucggauguuuAcag.... | 6 | 1 | hsa |
| ....................gcuuucagucggauguuugcagU... | 2 | 1 | hsa |
| ....................gcuuucagucggauguuuAcagc... | 2 | 1 | hsa |
| ...................cuuucagucggauguuug..... | 3 | 0 | hsa |
| ...................cuuucagucggauguuuAc..... | 9 | 1 | hsa |
| ...................cuuucagucggauguuugc..... | 7 | 0 | hsa |
| ...................cuuucagucggauguCugca..... | 1 | 1 | hsa |
| ...................cuuucagucggauguuugca..... | 24 | 0 | hsa |
| ...................cuuucagucggauguuuAca..... | 15 | 1 | hsa |
| ...................cuuucagucggauguuCgcag.... | 1 | 1 | hsa |
| ...................cuuucagucggUuguuugcag.... | 2 | 1 | hsa |
| ...................cuuucaguGggauguuugcag.... | 1 | 1 | hsa |
| ...................cuuucagucggauguuugGag.... | 1 | 1 | hsa |
| ...................cuuucagucggauguuugcag.... | 968 | 0 | hsa |
| ...................cuuucaCucggauguuugcag.... | 2 | 1 | hsa |
| ...................cuuucagucggauUuuugcag.... | 9 | 1 | hsa |
| ...................cuuucagucggaCguuugcag.... | 1 | 1 | hsa |
| ...................cuuucagucggauguuugUag.... | 4 | 1 | hsa |
| ...................cuuucagucgCauguuugcag.... | 1 | 1 | hsa |
| ...................cuuucagucggauCuuugcag.... | 2 | 1 | hsa |
| ...................cuuGcagucggauguuugcag.... | 1 | 1 | hsa |
| ...................cuuucagucggCuguuugcag.... | 3 | 1 | hsa |
| ...................cuuucagucggauguuugcaA.... | 13 | 1 | hsa |
| ...................cuuucagucggauguuuUcag.... | 6 | 1 | hsa |
| ...................cuuucaUucggauguuugcag.... | 1 | 1 | hsa |
| ...................cuCucagucggauguuugcag.... | 2 | 1 | hsa |
| ...................cuuucaguUggauguuugcag.... | 1 | 1 | hsa |

hsa-miR-30a-5p

hsa-miR-30a-3p

gcgacuguaaacauccucgacuggaagcugugaagccacagauggg**cuuucagucggauguuugcagc**ugc

| | | | |
|---|---|---|---|
| .....Uuuucagucggauguuugcag.... | 2 | 1 | hsa |
| .....cCuucagucggauguuugcag.... | 2 | 1 | hsa |
| .....cGuucagucggauguuugcag.... | 2 | 1 | hsa |
| .....cuuucaguAggauguuugcag.... | 1 | 1 | hsa |
| .....cuuucagucggauguuuAcag.... | 324 | 1 | hsa |
| .....cuuucCgucggauguuugcag.... | 1 | 1 | hsa |
| .....cuuucagucCgauguuugcag.... | 1 | 1 | hsa |
| .....cuuucGgucggauguuugcag.... | 1 | 1 | hsa |
| .....cuuucagucgUauguuugcag.... | 10 | 1 | hsa |
| .....cuuucagucggauguuugcCg.... | 1 | 1 | hsa |
| .....cuuucagucggauguuGgcag.... | 1 | 1 | hsa |
| .....cuuucagucggauguAugcag.... | 1 | 1 | hsa |
| .....cuuucagucggaugGuugcag.... | 2 | 1 | hsa |
| .....cuuucagucggauguuugcaU.... | 8 | 1 | hsa |
| .....cuuucagucUgauguuugcag.... | 5 | 1 | hsa |
| .....cuuucagucAgauguuugcag.... | 3 | 1 | hsa |
| .....cuuucaAucggauguuugcag.... | 1 | 1 | hsa |
| .....cuuucCgucggauguuugcagc... | 8 | 1 | hsa |
| .....cuuucagucggauguCugcagc... | 1 | 1 | hsa |
| .....cuuucagCcggauguuugcagc... | 6 | 1 | hsa |
| .....cuuucagucggauguuugcUgc... | 5 | 1 | hsa |
| .....cuuucagucggauguuugcaUc... | 32 | 1 | hsa |
| .....cuuucagucggauguGugcagc... | 1 | 1 | hsa |
| .....cuuucagucgCauguuugcagc... | 1 | 1 | hsa |
| .....cuuucagucggauguuuCcagc... | 5 | 1 | hsa |
| .....cuuuAagucggauguuugcagc... | 2 | 1 | hsa |
| .....cuuucagucggauAuuugcagc... | 3 | 1 | hsa |
| .....cuuucagucAgauguuugcagc... | 7 | 1 | hsa |
| .....cuuucaCucggauguuugcagc... | 1 | 1 | hsa |
| .....cuuucagucggaAguuugcagc... | 1 | 1 | hsa |
| .....cuCucagucggauguuugcagc... | 1 | 1 | hsa |
| .....cuuucagucggaugGuugcagc... | 5 | 1 | hsa |
| .....cuuucagucggauguuugcagA... | 47 | 1 | hsa |
| .....cAuucagucggauguuugcagc... | 6 | 1 | hsa |
| .....cuuuUagucggauguuugcagc... | 5 | 1 | hsa |
| .....cuuucagucggauguuuAcagc... | 2021 | 1 | hsa |
| .....cCuucagucggauguuugcagc... | 4 | 1 | hsa |
| .....cuuAcagucggauguuugcagc... | 1 | 1 | hsa |
| .....cGuucagucggauguuugcagc... | 4 | 1 | hsa |
| .....cuuucagucggCuguuugcagc... | 9 | 1 | hsa |
| .....cuuucagucggauguuCgcagc... | 1 | 1 | hsa |
| .....cuuucagucggaCguuugcagc... | 1 | 1 | hsa |
| .....cuuCcagucggauguuugcagc... | 3 | 1 | hsa |
| .....cuuucaguGggauguuugcagc... | 1 | 1 | hsa |
| .....cuuucagucggauguuugcCgc... | 4 | 1 | hsa |
| .....cuuucagucggauguuugAagc... | 5 | 1 | hsa |
| .....cuuucagAcggauguuugcagc... | 6 | 1 | hsa |
| .....cuuucagucggauCuuugcagc... | 6 | 1 | hsa |
| .....cuuucagucggauUuuugcagc... | 22 | 1 | hsa |
| .....cuuucagucgUauguuugcagc... | 24 | 1 | hsa |
| .....cuuucagucggauguuugcagU... | 1163 | 1 | hsa |
| .....cuuucagucggauguuuUcagc... | 18 | 1 | hsa |
| .....cuuucagucCgauguuugcagc... | 15 | 1 | hsa |
| .....cuuucagucggauguuAgcagc... | 2 | 1 | hsa |
| .....cuuucagucggauguuugcagG... | 2 | 1 | hsa |
| .....cuuucagucggGuguuugcagc... | 2 | 1 | hsa |
| .....cuuuGagucggauguuugcagc... | 3 | 1 | hsa |
| .....cuuucagucggaGguuugcagc... | 1 | 1 | hsa |
| .....cuuGcagucggauguuugcagc... | 2 | 1 | hsa |
| .....cuuucagucggauguuugcaCc... | 2 | 1 | hsa |
| .....cuuucaUucggauguuugcagc... | 21 | 1 | hsa |
| .....cuuucagucggUuguuugcagc... | 3 | 1 | hsa |
| .....cuuucagucggauguuGgcagc... | 6 | 1 | hsa |
| .....cuuucagucggauguuugGagc... | 5 | 1 | hsa |
| .....cuuucagucggauguuugcaAc... | 2 | 1 | hsa |
| .....cuuucagucggauguuugcGgc... | 1 | 1 | hsa |
| .....cuuucaAucggauguuugcagc... | 4 | 1 | hsa |
| .....Guuucagucggauguuugcagc... | 3 | 1 | hsa |
| .....cuAucagucggauguuugcagc... | 1 | 1 | hsa |

hsa-miR-30a-5p

hsa-miR-30a-3p

gcgacuguaaacauccucgacuggaagcugugaagccacagauggg**cuuucagucggauguuugcagc**ugc

| | | | |
|---|---|---|---|
| .....cuuucaguUggauguuugcagc... | 2 | 1 | hsa |
| .....cuuucagGcggauguuugcagc... | 3 | 1 | hsa |
| .....cuuucagucggaugAuugcagc... | 2 | 1 | hsa |
| .....cuuucGgucggauguuugcagc... | 4 | 1 | hsa |
| .....cuuucagucggauguuugUagc... | 11 | 1 | hsa |
| .....cuuucagucggauguuugcagc... | 4244 | 0 | hsa |
| .....cuuucUgucggauguuugcagc... | 1 | 1 | hsa |
| .....cuuucagucUgauguuugcagc... | 26 | 1 | hsa |
| .....Uuuucagucggauguuugcagc... | 19 | 1 | hsa |
| .....cuuucagucggaugCuugcagc... | 4 | 1 | hsa |
| .....cuuucagucggauguuugcagcG.. | 1 | 1 | hsa |
| .....cuuucagucggauguuugcagcu.. | 27 | 0 | hsa |
| .....cuuucagucggauguuugcagcC.. | 6 | 1 | hsa |
| .....cuuucagucggauguuugcagcA.. | 284 | 1 | hsa |
| .....cuuucagucggauguuuUcagcu.. | 1 | 1 | hsa |
| .....cuuucagucggauguuuAcagcu.. | 29 | 1 | hsa |
| .....cuuucagucggauguuugcagUu.. | 1 | 1 | hsa |
| .....cuuucagucggauguuugcagcAg. | 3 | 1 | hsa |
| .....cuuucagucggauguuugcagcuA. | 1 | 1 | hsa |
| .....uuucagucggauguuugca..... | 1 | 0 | hsa |
| .....uuucUgucggauguuugca..... | 1 | 1 | hsa |
| .....uuucagucggauguuugcaU.... | 1 | 1 | hsa |
| .....uuucagucggauguuugUag.... | 1 | 1 | hsa |
| .....uuucagucggauguuuUcag.... | 1 | 1 | hsa |
| .....uuucagucggauguuAgcag.... | 1 | 1 | hsa |
| .....Cuucagucggauguuugcag.... | 1 | 1 | hsa |
| .....uuucagucggauguuugcag.... | 171 | 0 | hsa |
| .....uuucagucUgauguuugcag.... | 2 | 1 | hsa |
| .....uuucagucggauguuuAcag.... | 1 | 1 | hsa |
| .....uuucagucggauguuugcCg.... | 1 | 1 | hsa |
| .....uuuGagucggauguuugcag.... | 1 | 1 | hsa |
| .....uuucagucggaugCuugcag.... | 1 | 1 | hsa |
| .....uuucagucggauguuugcaA.... | 3 | 1 | hsa |
| .....uuucagucggauguuugcaUc... | 7 | 1 | hsa |
| .....uuucagucUgauguuugcagc... | 2 | 1 | hsa |
| .....uuucagucggauguuCgcagc... | 2 | 1 | hsa |
| .....uuucagucggCuguuugcagc... | 1 | 1 | hsa |
| .....uuuGagucggauguuugcagc... | 1 | 1 | hsa |
| .....uuucagucgAauguuugcagc... | 3 | 1 | hsa |
| .....uuucUgucggauguuugcagc... | 2 | 1 | hsa |
| .....uuucagucggauguuugcUgc... | 2 | 1 | hsa |
| .....uuucagAcggauguuugcagc... | 1 | 1 | hsa |
| .....uuucagucgUauguuugcagc... | 5 | 1 | hsa |
| .....uuucagucgCauguuugcagc... | 3 | 1 | hsa |
| .....uuucagucggauguuugUagc... | 3 | 1 | hsa |
| .....uuucagucggauguuugAagc... | 2 | 1 | hsa |
| .....Cuucagucggauguuugcagc... | 3 | 1 | hsa |
| .....uCucagucggauguuugcagc... | 1 | 1 | hsa |
| .....uuucagucggauguuugcCgc... | 4 | 1 | hsa |
| .....uuucagucggauguuugcagU... | 447 | 1 | hsa |
| .....uuucGgucggauguuugcagc... | 1 | 1 | hsa |
| .....uuuAagucggauguuugcagc... | 1 | 1 | hsa |
| .....uuucaCucggauguuugcagc... | 1 | 1 | hsa |
| .....uuucagucggaugAuugcagc... | 2 | 1 | hsa |
| .....uuucagucCgauguuugcagc... | 1 | 1 | hsa |
| .....uuucCgucggauguuugcagc... | 7 | 1 | hsa |
| .....uuucagCcggauguuugcagc... | 1 | 1 | hsa |
| .....uuucagucggauUuuugcagc... | 1 | 1 | hsa |
| .....uuucagucggauguCugcagc... | 1 | 1 | hsa |
| .....uuucagucggauguuugcagA... | 10 | 1 | hsa |
| .....uuucagucggauguuugcGgc... | 1 | 1 | hsa |
| .....uuucagucggauguuuUcagc... | 2 | 1 | hsa |
| .....uuucagucggauguuuAcagc... | 36 | 1 | hsa |
| .....uuucagucggauguuugcagc... | 750 | 0 | hsa |
| .....uuucagucggauguuugcaUcu.. | 1 | 1 | hsa |
| .....uuucagucggauguuugcagUu.. | 5 | 1 | hsa |
| .....uuucagucggaAguuugcagcu.. | 1 | 1 | hsa |
| .....uuucagucgUauguuugcagcu.. | 1 | 1 | hsa |
| .....uuucagucggauguuugcagcA.. | 131 | 1 | hsa |

hsa-miR-30a-5p

hsa-miR-30a-3p

gcgacuguaaacauccucgacuggaagcugugaagccacagauggg**cuuucagucggauguuugcagc**ugc

| | | | |
|---|---|---|---|
| .....uuucagucggauguuugcagcu.. | 79 | 0 | hsa |
| .....uuucagucggauUuuugcagcu.. | 2 | 1 | hsa |
| .....Cuucagucggauguuugcagcu.. | 1 | 1 | hsa |
| .....uuucagucggauguuuAcagcu.. | 7 | 1 | hsa |
| .....uuucagucggauguuugcagcC.. | 5 | 1 | hsa |
| .....uuucagucgCauguuugcagcu.. | 1 | 1 | hsa |
| .....uuucagucggauguuugcagcAg. | 4 | 1 | hsa |
| .....uuucagucggauguuugcagcuA. | 8 | 1 | hsa |
| .....uucagucggauguuugcag.... | 8 | 0 | hsa |
| .....uucagucggauguCugcagc... | 1 | 1 | hsa |
| .....uucagucggauguuugcagU... | 2 | 1 | hsa |
| .....uucagucggauguuugUagc... | 1 | 1 | hsa |
| .....uucCgucggauguuugcagc... | 2 | 1 | hsa |
| .....uucagucggauUuuugcagc... | 1 | 1 | hsa |
| .....uucagucggauguuuAcagc... | 1 | 1 | hsa |
| .....uucagucggauguuugcaUc... | 2 | 1 | hsa |
| .....uucagucggGuguuugcagc... | 1 | 1 | hsa |
| .....uucagucggauguuugcagc... | 41 | 0 | hsa |
| .....uucagucggauguuugcaCc... | 1 | 1 | hsa |
| .....uucagucggauguuugcagcA.. | 5 | 1 | hsa |
| .....ucagucggauguuugcagc... | 2 | 0 | hsa |
| .....uUagucggauguuugcagc... | 1 | 1 | hsa |
| .....ucagucggauguuuAcagc... | 2 | 1 | hsa |