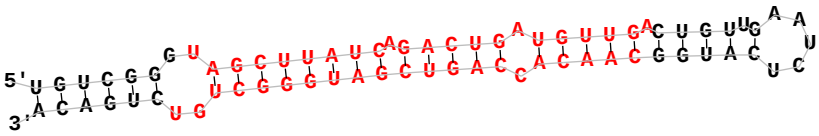
| | |
|---|---|
| miRBase precursor | : hsa-mir-21 |
| Total read count | : 606397 |
| hsa-miR-21-5p read count | : 603686 |
| hsa-miR-21-3p read count | : 2695 |
| remaining reads | : 2711 |






hsa-miR-21-3p

hsa-miR-21-5p

```
5'- ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca   -3'    exp
    .(((((..(((((((((.(((((.(((((.((((.(.....)))))))))).)))))))))))))..))))).    reads      mm         sample
    ....ggguagcuuaucagacugauguu.....................................................  1          0          hsa
    .....Uguagcuuaucagacugaugu......................................................  3          1          hsa
    .....gAuagcuuaucagacugauguu.....................................................  12         1          hsa
    ......guagcuuaucagacugau........................................................  1          0          hsa
    ......Cuagcuuaucagacugaug.......................................................  1          1          hsa
    ......guagcuuaucagacugaug.......................................................  2          0          hsa
    ......Auagcuuaucagacugaugu......................................................  1          1          hsa
    ......guagcuuaucagacugaugu......................................................  1          0          hsa
    ......Cuagcuuaucagacugauguu.....................................................  3          1          hsa
    ......Auagcuuaucagacugauguu.....................................................  1          1          hsa
    ......guagcuuaucagacugauguu.....................................................  17         0          hsa
    ......guagcuuaucagacugCuguu.....................................................  1          1          hsa
    ......guagcuuaucagacugauguG.....................................................  1          1          hsa
    ......Cuagcuuaucagacugauguug....................................................  11         1          hsa
    ......gAagcuuaucagacugauguug....................................................  1          1          hsa
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    ......Uuagcuuaucagacugauguug....................................................  1          1          hsa
    ......guagcuuaucagacugaGguug....................................................  1          1          hsa
    ......guagcuuaucaCacugauguug....................................................  1          1          hsa
    ......guagcuuaucagacuUauguug....................................................  1          1          hsa
    ......guagcuuaucagacugauguuU....................................................  3          1          hsa
    ......guagcuuauUagacugauguug....................................................  3          1          hsa
    ......gGagcuuaucagacugauguug....................................................  1          1          hsa
    ......guagcuuCucagacugauguug....................................................  1          1          hsa
    ......guagcuuaucagacugauUuug....................................................  3          1          hsa
    ......guagcuuaucagaAugauguuga...................................................  2          1          hsa
    ......guagUuuaucagacugauguuga...................................................  2          1          hsa
    ......guagcuuaucagacuUauguuga...................................................  8          1          hsa
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    ......guagcuuaucGgacugauguuga...................................................  1          1          hsa
    ......guagcuuaucagacCgauguuga...................................................  3          1          hsa
    ......guagcuuaucaAacugauguuga...................................................  1          1          hsa
    ......guagcuuaucagUcugauguuga...................................................  1          1          hsa
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hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
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| ......guagcuuUucagacugauguuga | 1 | 1 | hsa |
| ......guagcuuaucagacugauguugU | 3 | 1 | hsa |
| ......Cuagcuuaucagacugauguuga | 253 | 1 | hsa |
| ......guagcuuaucagacugGuguuga | 2 | 1 | hsa |
| ......guagcuuCucagacugauguuga | 3 | 1 | hsa |
| ......guagcuuaucagacugauAuuga | 2 | 1 | hsa |
| ......guagcuuaucagacugUuguuga | 4 | 1 | hsa |
| ......guagcuuaucagCcugauguuga | 2 | 1 | hsa |
| ......gGagcuuaucagacugauguuga | 1 | 1 | hsa |
| ......guagcuuaucagacugauguuUa | 3 | 1 | hsa |
| ......guagcuuaucagacGgauguuga | 1 | 1 | hsa |
| ......guaUcuuaucagacugauguuga | 6 | 1 | hsa |
| ......guagcuGaucagacugauguuga | 1 | 1 | hsa |
| ......guagcuuaucaUacugauguuga | 8 | 1 | hsa |
| ......guagcuuaucagacugauguuga | 1452 | 0 | hsa |
| ......guagcuuaucagacugauUuuga | 14 | 1 | hsa |
| ......guagcuuaucagacugauguuCa | 3 | 1 | hsa |
| ......guagcuuaucagacugaugAuga | 2 | 1 | hsa |
| ......Uuagcuuaucagacugauguuga | 3 | 1 | hsa |
| ......guagcuuaucagacugauguugC | 2 | 1 | hsa |
| ......guagcuuaucagacugauguCga | 3 | 1 | hsa |
| ......guagcuCaucagacugauguuga | 1 | 1 | hsa |
| ......guaCcuuaucagacugauguuga | 3 | 1 | hsa |
| ......guagcuuaucagacugaugGuga | 1 | 1 | hsa |
| ......guagcuuaAcagacugauguuga | 1 | 1 | hsa |
| ......guGgcuuaucagacugauguuga | 2 | 1 | hsa |
| ......guagcuuaucagacugauCuuga | 1 | 1 | hsa |
| ......guagcuAaucagacugauguuga | 4 | 1 | hsa |
| ......guagcuuauGagacugauguuga | 4 | 1 | hsa |
| ......gCagcuuaucagacugauguuga | 7 | 1 | hsa |
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| ......guagcuuaucagacugauguGga | 1 | 1 | hsa |
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| ......Auagcuuaucagacugauguuga | 1 | 1 | hsa |
| ......guagcuuaucagacugCuguuga | 13 | 1 | hsa |
| ......guagcGuaucagacugauguuga | 1 | 1 | hsa |
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| ......guagcuuaucagaUugauguuga | 4 | 1 | hsa |
| ......gAagcuuaucagacugauguuga | 2 | 1 | hsa |
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| ......guagcuuaucagacugaCguugac | 3 | 1 | hsa |
| ......guagcuuaucagacugauguugac | 487 | 0 | hsa |
| ......guagcuuaucagacAgauguugac | 1 | 1 | hsa |
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| ......guagcuuauUagacugauguugac | 4 | 1 | hsa |
| ......guCgcuuaucagacugauguugac | 1 | 1 | hsa |
| ......guagcuuaucagacuCauguugac | 1 | 1 | hsa |
| ......guagcuuaucagacugauguugaU | 3 | 1 | hsa |
| ......guagcuuCucagacugauguugac | 1 | 1 | hsa |
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| ......guagcuuaucagacugauguuCac | 1 | 1 | hsa |
| ......guagcuuaucagCcugauguugac | 3 | 1 | hsa |
| ......guagcuuauAagacugauguugac | 1 | 1 | hsa |
| ......gAagcuuaucagacugauguugac | 1 | 1 | hsa |
| ......guagcuuaucCgacugauguugac | 2 | 1 | hsa |
| ......guagcuuaucagacuAauguugac | 1 | 1 | hsa |
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| ......guagcuuaucagacugauAuugac | 1 | 1 | hsa |
| ......gCagcuuaucagacugauguugac | 1 | 1 | hsa |
| ......guagcuuaucagacuUauguugac | 1 | 1 | hsa |
| ......guagcuuaucagacugauguCgac | 2 | 1 | hsa |
| ......Cuagcuuaucagacugauguugac | 134 | 1 | hsa |
| ......guagcuuaucagacugauCuugac | 1 | 1 | hsa |
| ......guagcuuaucagacugauUuugac | 2 | 1 | hsa |
| ......guagcuuaucagacugauguugCc | 2 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
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| ......guagcuuaucGgacugauguugac | 1 | 1 | hsa |
| ......guagcuuaucagacugaugGugac | 1 | 1 | hsa |
| ......guaUcuuaucagacugauguugac | 2 | 1 | hsa |
| ......Uuagcuuaucagacugauguugac | 1 | 1 | hsa |
| ......guagcuuaucagacugauguuUac | 4 | 1 | hsa |
| ......guagcuuaucagaUugauguugac | 2 | 1 | hsa |
| ......Auagcuuaucagacugauguugacu | 1 | 1 | hsa |
| ......guagcuuaucagacugauguCgacu | 1 | 1 | hsa |
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| ......Cuagcuuaucagacugauguugacu | 2 | 1 | hsa |
| ......guagcuuaAcagacugauguugacu | 1 | 1 | hsa |
| ......gGagcuuaucagacugauguugacu | 1 | 1 | hsa |
| ......guagcuuaucagacugauguuAacu | 1 | 1 | hsa |
| ......guagcuuauUagacugauguugacu | 2 | 1 | hsa |
| ......guagcuuaucagacuUauguugacu | 1 | 1 | hsa |
| ......guagcuuaucagacugCuguugacu | 1 | 1 | hsa |
| ......guagcuuaucagacugauguugaUu | 1 | 1 | hsa |
| ......guagcuuaucagacugauguugacC | 14 | 1 | hsa |
| ......guGgcuuaucagacugauguugacu | 1 | 1 | hsa |
| ......guagcuuaucagacugauUuugacu | 4 | 1 | hsa |
| ......guagcuuaucagacugauguugacu | 122 | 0 | hsa |
| ......guagcuAaucagacugauguugacu | 1 | 1 | hsa |
| ......guagcuuaucagacugauguugacG | 11 | 1 | hsa |
| ......guagcuuaucagacugauguugacuA | 2 | 1 | hsa |
| .......uaCcuuaucagacugaug | 1 | 1 | hsa |
| .......Cagcuuaucagacugaug | 1 | 1 | hsa |
| .......uagcuuaucagacugauC | 3 | 1 | hsa |
| .......uagcuuaucagacuCaug | 1 | 1 | hsa |
| .......uagcuuaucagacugauU | 6 | 1 | hsa |
| .......uagcuuaucagacugaGg | 1 | 1 | hsa |
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| .......uagcuuaucagacugUug | 1 | 1 | hsa |
| .......uagcuuaucagacAgaug | 1 | 1 | hsa |
| .......uagcuuaucagacCgaug | 1 | 1 | hsa |
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| .......uagcuuaucGgacugaug | 2 | 1 | hsa |
| .......uagcuuauUagacugaug | 1 | 1 | hsa |
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| .......uagcuuaucCgacugaug | 3 | 1 | hsa |
| .......uCgcuuaucagacugaug | 3 | 1 | hsa |
| .......Gagcuuaucagacugaug | 1 | 1 | hsa |
| .......uagcuuaucagacugauA | 12 | 1 | hsa |
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| .......uagcuuaucaCacugaug | 2 | 1 | hsa |
| .......uagcuuaucUgacugaugu | 2 | 1 | hsa |
| .......uagcuuaucagacugCugu | 1 | 1 | hsa |
| .......uagcuCaucagacugaugu | 1 | 1 | hsa |
| .......uagcAuaucagacugaugu | 1 | 1 | hsa |
| .......uagcuuaucagacugaugC | 1 | 1 | hsa |
| .......uagcuuaucagacuUaugu | 5 | 1 | hsa |
| .......uagcuuauUagacugaugu | 3 | 1 | hsa |
| .......uaUcuuaucagacugaugu | 1 | 1 | hsa |
| .......uagcuuaucagCcugaugu | 1 | 1 | hsa |
| .......uagcuuaucagacugaugA | 3 | 1 | hsa |
| .......uagcuuGucagacugaugu | 1 | 1 | hsa |
| .......uagcuuaucagacugauUu | 2 | 1 | hsa |
| .......uagcuuaCcagacugaugu | 1 | 1 | hsa |
| .......uagcuuaucCgacugaugu | 2 | 1 | hsa |
| .......uagcuuaucagacugaugG | 1 | 1 | hsa |
| .......uagcuuaucaUacugaugu | 4 | 1 | hsa |
| .......uCgcuuaucagacugaugu | 1 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

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| .......uagcuuaucagaAugaugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugaAgu..... | 1 | 1 | hsa |
| .......uagcuuCucagacugaugu..... | 1 | 1 | hsa |
| .......Cagcuuaucagacugauguu..... | 1 | 1 | hsa |
| .......uagcuuaCcagacugauguu..... | 1 | 1 | hsa |
| .......uagcuuauGagacugauguu..... | 1 | 1 | hsa |
| .......uagcGuaucagacugauguu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguG..... | 10 | 1 | hsa |
| .......uagcuuaucagacAgauguu..... | 4 | 1 | hsa |
| .......uagcuuaucagacugaugAu..... | 3 | 1 | hsa |
| .......uagcuuaucCgacugauguu..... | 4 | 1 | hsa |
| .......uaUcuuaucagacugauguu..... | 3 | 1 | hsa |
| .......uagcuuaucagaUugauguu..... | 2 | 1 | hsa |
| .......uaCcuuaucagacugauguu..... | 1 | 1 | hsa |
| .......uagcuuaucagacuAauguu..... | 3 | 1 | hsa |
| .......uagcuuauUagacugauguu..... | 7 | 1 | hsa |
| .......uagcuuaucagacugauUuu..... | 2 | 1 | hsa |
| .......uagcuuaucagacugauguA..... | 15 | 1 | hsa |
| .......uUgcuuaucagacugauguu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugUuguu..... | 1 | 1 | hsa |
| .......uagcuuaucagaAugauguu..... | 1 | 1 | hsa |
| .......uagcuuaucGgacugauguu..... | 1 | 1 | hsa |
| .......uagcuuaucaUacugauguu..... | 9 | 1 | hsa |
| .......uagcCuaucagacugauguu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugCuguu..... | 6 | 1 | hsa |
| .......uagcuuaAcagacugauguu..... | 4 | 1 | hsa |
| .......uagcuuaucagacugaugGu..... | 2 | 1 | hsa |
| .......uagcuCaucagacugauguu..... | 2 | 1 | hsa |
| .......uagcAuaucagacugauguu..... | 1 | 1 | hsa |
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| .......uagcuuaucagacuCauguu..... | 1 | 1 | hsa |
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| .......uagcuuauAagacugauguu..... | 1 | 1 | hsa |
| .......uagcuuCucagacugauguu..... | 1 | 1 | hsa |
| .......uagcuuaucagCcugauguu..... | 6 | 1 | hsa |
| .......uagcuuaucagacCgauguu..... | 1 | 1 | hsa |
| .......uCgcuuaucagacugauguu..... | 4 | 1 | hsa |
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| .......uagcuuaucagacugCuguug..... | 73 | 1 | hsa |
| .......uagcuuaucagacugauUuug..... | 91 | 1 | hsa |
| .......uagGuuaucagacugauguug..... | 14 | 1 | hsa |
| .......uGgcuuaucagacugauguug..... | 7 | 1 | hsa |
| .......uagcCuaucagacugauguug..... | 14 | 1 | hsa |
| .......uaAcuuaucagacugauguug..... | 13 | 1 | hsa |
| .......uagcuuaucagacuCauguug..... | 6 | 1 | hsa |
| .......uagUuuaucagacugauguug..... | 12 | 1 | hsa |
| .......uagcuuaucagacugaGguug..... | 10 | 1 | hsa |
| .......uagcuuaCcagacugauguug..... | 21 | 1 | hsa |
| .......uagcuuaucagacugaugCug..... | 24 | 1 | hsa |
| .......uUgcuuaucagacugauguug..... | 3 | 1 | hsa |
| .......uagcuuauUagacugauguug..... | 159 | 1 | hsa |
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| .......uagcuuUucagacugauguug..... | 7 | 1 | hsa |
| .......uagcuuaucagacuAauguug..... | 36 | 1 | hsa |
| .......uaUcuuaucagacugauguug..... | 22 | 1 | hsa |
| .......uagcuuaucaUacugauguug..... | 106 | 1 | hsa |
| .......uagcuuCucagacugauguug..... | 49 | 1 | hsa |
| .......uagcuuaAcagacugauguug..... | 14 | 1 | hsa |
| .......uCgcuuaucagacugauguug..... | 70 | 1 | hsa |
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| .......uagcuuaucGgacugauguug..... | 42 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
|---|---|---|---|
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| .......uagcuuaucagacugaugAug | 23 | 1 | hsa |
| .......uagcuuaucaAacugauguug | 8 | 1 | hsa |
| .......uagcuuauGagacugauguug | 4 | 1 | hsa |
| .......uagcuuaucagacCgauguug | 15 | 1 | hsa |
| .......uagcuuaucagaAugauguug | 5 | 1 | hsa |
| .......uagcuuaucagUcugauguug | 11 | 1 | hsa |
| .......uagcuuaucUgacugauguug | 29 | 1 | hsa |
| .......uagcuuaucagacugauguuA | 72 | 1 | hsa |
| .......uagcuuaucagacuUauguug | 95 | 1 | hsa |
| .......uagcuuGucagacugauguug | 16 | 1 | hsa |
| .......uaCcuuaucagacugauguug | 15 | 1 | hsa |
| .......uagcuuaucagaUugauguug | 17 | 1 | hsa |
| .......uagcuuaucaCacugauguug | 8 | 1 | hsa |
| .......uagcuuaucagacugauAuug | 7 | 1 | hsa |
| .......uagAuuaucagacugauguug | 17 | 1 | hsa |
| .......uagcuuaGcagacugauguug | 14 | 1 | hsa |
| .......uagcuuaucagacAgauguug | 8 | 1 | hsa |
| .......uagcuuaucagacugauguuC | 10 | 1 | hsa |
| .......uagcuuaucCgacugauguug | 76 | 1 | hsa |
| .......uagcuuaucagacugaugGug | 18 | 1 | hsa |
| .......uagcuuaucagCcugauguug | 24 | 1 | hsa |
| .......uagcuuaucagacugauguGg | 12 | 1 | hsa |
| .......uagcuuaucagacGgauguug | 1 | 1 | hsa |
| .......Cagcuuaucagacugauguug | 15 | 1 | hsa |
| .......uagcuuaucagaGugauguug | 2 | 1 | hsa |
| .......uagcuuaucagacugauguCg | 11 | 1 | hsa |
| .......Gagcuuaucagacugauguug | 3 | 1 | hsa |
| .......uagcuuaucagacugauguug | 18250 | 0 | hsa |
| .......uagcuuaucagacugUuguug | 6 | 1 | hsa |
| .......Aagcuuaucagacugauguug | 12 | 1 | hsa |
| .......uagcuGaucagacugauguug | 2 | 1 | hsa |
| .......uagcuAaucagacugauguug | 4 | 1 | hsa |
| .......uagcuuaucagacugauguuU | 107 | 1 | hsa |
| .......uagcGuaucagacugauguug | 25 | 1 | hsa |
| .......uagcuuaucagGcugauguug | 18 | 1 | hsa |
| .......uagcuuaucagacugGuguug | 8 | 1 | hsa |
| .......Aagcuuaucagacugauguuga | 115 | 1 | hsa |
| .......uagcuuaucagUcugauguuga | 72 | 1 | hsa |
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| .......uagcuuaucagacugauguugG | 78 | 1 | hsa |
| .......uagcuuaGcagacugauguuga | 84 | 1 | hsa |
| .......uUgcuuaucagacugauguuga | 23 | 1 | hsa |
| .......uagcuuaucagacugauUuuga | 588 | 1 | hsa |
| .......uagcuuaCcagacugauguuga | 129 | 1 | hsa |
| .......uagcuuaucagCcugauguuga | 178 | 1 | hsa |
| .......uagcuuaucagacugaugAuga | 181 | 1 | hsa |
| .......uagGuuaucagacugauguuga | 102 | 1 | hsa |
| .......Cagcuuaucagacugauguuga | 136 | 1 | hsa |
| .......uagcuuaucagacugaGguuga | 59 | 1 | hsa |
| .......uagcuuaucagacugauguuAa | 274 | 1 | hsa |
| .......uagcuGaucagacugauguuga | 5 | 1 | hsa |
| .......uagcuuaucagacugauguGga | 35 | 1 | hsa |
| .......uagcCuaucagacugauguuga | 150 | 1 | hsa |
| .......uCgcuuaucagacugauguuga | 531 | 1 | hsa |
| .......uagcuuaucagaUugauguuga | 168 | 1 | hsa |
| .......uagcuuaucagacugCuguuga | 449 | 1 | hsa |
| .......uGgcuuaucagacugauguuga | 88 | 1 | hsa |
| .......uagcuuaucagaGugauguuga | 27 | 1 | hsa |
| .......uagcuuaucaCacugauguuga | 63 | 1 | hsa |
| .......uaCcuuaucagacugauguuga | 129 | 1 | hsa |
| .......uagcGuaucagacugauguuga | 160 | 1 | hsa |
| .......Gagcuuaucagacugauguuga | 18 | 1 | hsa |
| .......uagcuuaucagacugauguugU | 195 | 1 | hsa |
| .......uagcuAaucagacugauguuga | 23 | 1 | hsa |
| .......uagcuuauAagacugauguuga | 39 | 1 | hsa |
| .......uagcuuaucagacGgauguuga | 31 | 1 | hsa |
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| .......uagcuuaucagacAgauguuga | 48 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
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| .......uagcuuaucagacugUuguuga..... | 86 | 1 | hsa |
| .......uagcuuaucagacugaugCuga..... | 153 | 1 | hsa |
| .......uagcAuaucagacugauguuga..... | 122 | 1 | hsa |
| .......uagcuuaucagacugauAuuga..... | 66 | 1 | hsa |
| .......uagcuuaucagacugauguuUa..... | 741 | 1 | hsa |
| .......uagUuuaucagacugauguuga..... | 150 | 1 | hsa |
| .......uagcuuaucagacugGuguuga..... | 75 | 1 | hsa |
| .......uagcuuaucaUacugauguuga..... | 694 | 1 | hsa |
| .......uagcuuaucagaAugauguuga..... | 25 | 1 | hsa |
| .......uagcuuaucCgacugauguuga..... | 640 | 1 | hsa |
| .......uagcuuauUagacugauguuga..... | 948 | 1 | hsa |
| .......uagcuuGucagacugauguuga..... | 98 | 1 | hsa |
| .......uagcuuaucagacugaAguuga..... | 51 | 1 | hsa |
| .......uaUcuuaucagacugauguuga..... | 234 | 1 | hsa |
| .......uagcuuCucagacugauguuga..... | 417 | 1 | hsa |
| .......uagcuuaucagacuAauguuga..... | 257 | 1 | hsa |
| .......uagcuCaucagacugauguuga..... | 69 | 1 | hsa |
| .......uagcuuaucagGcugauguuga..... | 97 | 1 | hsa |
| .......uagcuuUucagacugauguuga..... | 56 | 1 | hsa |
| .......uagcuuaucagacugauguuCa..... | 100 | 1 | hsa |
| .......uagcuuaucagacugauguCga..... | 79 | 1 | hsa |
| .......uagAuuaucagacugauguuga..... | 139 | 1 | hsa |
| .......uagcuuaucagacugauguugC..... | 602 | 1 | hsa |
| .......uagcuuaucUgacugauguuga..... | 242 | 1 | hsa |
| .......uagcuuaucagacugaCguuga..... | 89 | 1 | hsa |
| .......uagcuuaucGgacugauguuga..... | 326 | 1 | hsa |
| .......uagcuuaucagacuCauguuga..... | 62 | 1 | hsa |
| .......uagcuuaucagacCgauguuga..... | 132 | 1 | hsa |
| .......uagcuuaucagacugauguAga..... | 29 | 1 | hsa |
| .......uagcuuaucaAacugauguuga..... | 62 | 1 | hsa |
| .......uagcuuaucagacugaugGuga..... | 164 | 1 | hsa |
| .......uaAcuuaucagacugauguuga..... | 86 | 1 | hsa |
| .......uagcuuaucagacugauguuga..... | 147611 | 0 | hsa |
| .......uagcuuauGagacugauguuga..... | 35 | 1 | hsa |
| .......uagcuuaucagacugGuguugac..... | 156 | 1 | hsa |
| .......uagcuuaucagacugaAguugac..... | 94 | 1 | hsa |
| .......uagcuuaucagacugauguugCc..... | 1256 | 1 | hsa |
| .......uaUcuuaucagacugauguugac..... | 534 | 1 | hsa |
| .......uagcuuaucagacugauguugac..... | 311646 | 0 | hsa |
| .......uagcuuaucGgacugauguugac..... | 663 | 1 | hsa |
| .......uagcuuaucagacugauguugaU..... | 467 | 1 | hsa |
| .......uagcuuaucaUacugauguugac..... | 1638 | 1 | hsa |
| .......uagcuuaucagacugauguCgac..... | 192 | 1 | hsa |
| .......Cagcuuaucagacugauguugac..... | 275 | 1 | hsa |
| .......uagcuuaucagacCgauguugac..... | 249 | 1 | hsa |
| .......uagcuuaucaCacugauguugac..... | 145 | 1 | hsa |
| .......uagcCuaucagacugauguugac..... | 313 | 1 | hsa |
| .......uagcuAaucagacugauguugac..... | 47 | 1 | hsa |
| .......uaCcuuaucagacugauguugac..... | 267 | 1 | hsa |
| .......uagcuuaucagacugaugAugac..... | 387 | 1 | hsa |
| .......uUgcuuaucagacugauguugac..... | 26 | 1 | hsa |
| .......uagcuuaucagacugaCguugac..... | 166 | 1 | hsa |
| .......uagcuGaucagacugauguugac..... | 12 | 1 | hsa |
| .......uaAcuuaucagacugauguugac..... | 190 | 1 | hsa |
| .......uGgcuuaucagacugauguugac..... | 164 | 1 | hsa |
| .......uagcuuaucagacugauguuUac..... | 2204 | 1 | hsa |
| .......uagcuuaucagacAgauguugac..... | 106 | 1 | hsa |
| .......uagcuuaucagUcugauguugac..... | 146 | 1 | hsa |
| .......uagUuuaucagacugauguugac..... | 416 | 1 | hsa |
| .......uagcuuaucagacugauAuugac..... | 132 | 1 | hsa |
| .......uagcuuaucagacugauguAgac..... | 70 | 1 | hsa |
| .......uagcuuaucagacugauguuCac..... | 183 | 1 | hsa |
| .......uagcuuaucagaUugauguugac..... | 255 | 1 | hsa |
| .......uagAuuaucagacugauguugac..... | 259 | 1 | hsa |
| .......uCgcuuaucagacugauguugac..... | 961 | 1 | hsa |
| .......uagcuuUucagacugauguugac..... | 120 | 1 | hsa |
| .......uagcuuaucagGcugauguugac..... | 192 | 1 | hsa |
| .......uagcuuaucagacuCauguugac..... | 184 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
|---|---|---|---|
| .......uagcuuaucUgacugauguugac..... | 603 | 1 | hsa |
| .......uagcGuaucagacugauguugac..... | 424 | 1 | hsa |
| .......uagcuuaucagacugaugCugac..... | 361 | 1 | hsa |
| .......uagcuuaucagacugauCuugac..... | 95 | 1 | hsa |
| .......uagcuuaucagacuUauguugac..... | 1984 | 1 | hsa |
| .......uagGuuaucagacugauguugac..... | 213 | 1 | hsa |
| .......uagcuuCucagacugauguugac..... | 934 | 1 | hsa |
| .......uagcuuaAcagacugauguugac..... | 157 | 1 | hsa |
| .......uagcuuaCcagacugauguugac..... | 254 | 1 | hsa |
| .......uagcuCaucagacugauguugac..... | 190 | 1 | hsa |
| .......uagcuuaucagacuAauguugac..... | 607 | 1 | hsa |
| .......uagcuuaucagaGugauguugac..... | 45 | 1 | hsa |
| .......uagcuuaucagacugCuguugac..... | 880 | 1 | hsa |
| .......uagcuuaucagacugauUuugac..... | 1577 | 1 | hsa |
| .......uagcAuaucagacugauguugac..... | 273 | 1 | hsa |
| .......uagcuuaucagaAugauguugac..... | 70 | 1 | hsa |
| .......uagcuuaucagacugauguGgac..... | 110 | 1 | hsa |
| .......uagcuuaucagacugauguugUc..... | 298 | 1 | hsa |
| .......uagcuuaucaAacugauguugac..... | 110 | 1 | hsa |
| .......uagcuuaucagacGgauguugac..... | 69 | 1 | hsa |
| .......uagcuuaucagacugaGguugac..... | 121 | 1 | hsa |
| .......uagcuuauAagacugauguugac..... | 102 | 1 | hsa |
| .......Gagcuuaucagacugauguugac..... | 52 | 1 | hsa |
| .......uagcuuaucagacugUuguugac..... | 126 | 1 | hsa |
| .......uagcuuaucagacugauguuAac..... | 308 | 1 | hsa |
| .......uagcuuaucagCcugauguugac..... | 444 | 1 | hsa |
| .......uagcuuauUagacugauguugac..... | 2061 | 1 | hsa |
| .......uagcuuaucagacugauguugGc..... | 190 | 1 | hsa |
| .......Aagcuuaucagacugauguugac..... | 237 | 1 | hsa |
| .......uagcuuaucagacugauguugaA..... | 2567 | 1 | hsa |
| .......uagcuuaucagacugaugGugac..... | 353 | 1 | hsa |
| .......uagcuuaucagacugauguugaG..... | 96 | 1 | hsa |
| .......uagcuuaGcagacugauguugac..... | 197 | 1 | hsa |
| .......uagcuuaucCgacugauguugac..... | 1641 | 1 | hsa |
| .......uagcuuauGagacugauguugac..... | 78 | 1 | hsa |
| .......uagcuuGucagacugauguugac..... | 183 | 1 | hsa |
| .......uagcuuaucagacugaGguugacu..... | 3 | 1 | hsa |
| .......uagcuuaucagacugauguuAacu..... | 16 | 1 | hsa |
| .......uagcuuaucagacugauguugaGu..... | 6 | 1 | hsa |
| .......uagUuuaucagacugauguugacu..... | 11 | 1 | hsa |
| .......uagcuuaucGgacugauguugacu..... | 45 | 1 | hsa |
| .......uagcuuaucagacugauCuugacu..... | 8 | 1 | hsa |
| .......uagcuGaucagacugauguugacu..... | 1 | 1 | hsa |
| .......uagcuuauGagacugauguugacu..... | 5 | 1 | hsa |
| .......uagcuuaucagacugauguugaUu..... | 22 | 1 | hsa |
| .......uagcuAaucagacugauguugacu..... | 1 | 1 | hsa |
| .......uagcuuUucagacugauguugacu..... | 5 | 1 | hsa |
| .......uagcuuGucagacugauguugacu..... | 16 | 1 | hsa |
| .......uagcuuaucagacugauguugaAu..... | 21 | 1 | hsa |
| .......uagcuuaucagacAgauguugacu..... | 9 | 1 | hsa |
| .......uagcuuaucagacuUauguugacu..... | 133 | 1 | hsa |
| .......uagcuuaAcagacugauguugacu..... | 13 | 1 | hsa |
| .......uagcuuaucagacugCuguugacu..... | 66 | 1 | hsa |
| .......uagcuuaucagacuAauguugacu..... | 37 | 1 | hsa |
| .......uagcuuaucCgacugauguugacu..... | 89 | 1 | hsa |
| .......uagcuuauUagacugauguugacu..... | 301 | 1 | hsa |
| .......Gagcuuaucagacugauguugacu..... | 2 | 1 | hsa |
| .......Cagcuuaucagacugauguugacu..... | 13 | 1 | hsa |
| .......uagcuuaucUgacugauguugacu..... | 41 | 1 | hsa |
| .......uagcuuaucagacugaAguugacu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugaugCugacu..... | 15 | 1 | hsa |
| .......uagcuCaucagacugauguugacu..... | 12 | 1 | hsa |
| .......uagcuuaGcagacugauguugacu..... | 12 | 1 | hsa |
| .......uaCcuuaucagacugauguugacu..... | 16 | 1 | hsa |
| .......uaUcuuaucagacugauguugacu..... | 33 | 1 | hsa |
| .......uagcuuaucagacCgauguugacu..... | 13 | 1 | hsa |
| .......uagcuuaucagacugauUuugacu..... | 100 | 1 | hsa |
| .......uagcuuaucagacugauguugacG..... | 8962 | 1 | hsa |
| .......uaAcuuaucagacugauguugacu..... | 13 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
|---|---|---|---|
| .......uagcuuaucagacugauguuUacu..... | 102 | 1 | hsa |
| .......uagcuuaucagGcugauguugacu..... | 21 | 1 | hsa |
| .......uagcuuaucagacugGuguugacu..... | 14 | 1 | hsa |
| .......uagcuuauAagacugauguugacu..... | 5 | 1 | hsa |
| .......uagcuuaucagaUugauguugacu..... | 19 | 1 | hsa |
| .......uagcuuaucagacugauguugacC..... | 2324 | 1 | hsa |
| .......uagcuuaucaAacugauguugacu..... | 8 | 1 | hsa |
| .......Aagcuuaucagacugauguugacu..... | 10 | 1 | hsa |
| .......uagcuuaucagCcugauguugacu..... | 28 | 1 | hsa |
| .......uagcCuaucagacugauguugacu..... | 19 | 1 | hsa |
| .......uagcuuaucagacugauguugacA..... | 38328 | 1 | hsa |
| .......uagcuuCucagacugauguugacu..... | 65 | 1 | hsa |
| .......uagcuuaucagacugauguCgacu..... | 15 | 1 | hsa |
| .......uGgcuuaucagacugauguugacu..... | 12 | 1 | hsa |
| .......uagcuuaucagaAugauguugacu..... | 1 | 1 | hsa |
| .......uagcuuaucagacuCauguugacu..... | 6 | 1 | hsa |
| .......uagcuuaucagUcugauguugacu..... | 14 | 1 | hsa |
| .......uagcuuaucagacugauguuCacu..... | 12 | 1 | hsa |
| .......uagcuuaucaUacugauguugacu..... | 102 | 1 | hsa |
| .......uagcuuaucagacugaCguugacu..... | 14 | 1 | hsa |
| .......uagcuuaucagacGgauguugacu..... | 6 | 1 | hsa |
| .......uCgcuuaucagacugauguugacu..... | 73 | 1 | hsa |
| .......uagcuuaucagacugauguugCcu..... | 65 | 1 | hsa |
| .......uagcuuaucagacugauAuugacu..... | 9 | 1 | hsa |
| .......uUgcuuaucagacugauguugacu..... | 4 | 1 | hsa |
| .......uagcuuaucagacugaugGugacu..... | 21 | 1 | hsa |
| .......uagcuuaucagaGugauguugacu..... | 5 | 1 | hsa |
| .......uagcuuaucaCacugauguugacu..... | 7 | 1 | hsa |
| .......uagcuuaucagacugauguugUcu..... | 26 | 1 | hsa |
| .......uagAuuaucagacugauguugacu..... | 10 | 1 | hsa |
| .......uagcuuaucagacugUuguugacu..... | 11 | 1 | hsa |
| .......uagGuuaucagacugauguugacu..... | 14 | 1 | hsa |
| .......uagcuuaucagacugauguAgacu..... | 5 | 1 | hsa |
| .......uagcuuaucagacugauguugGcu..... | 13 | 1 | hsa |
| .......uagcuuaucagacugauguGgacu..... | 7 | 1 | hsa |
| .......uagcGuaucagacugauguugacu..... | 17 | 1 | hsa |
| .......uagcuuaucagacugaugAugacu..... | 23 | 1 | hsa |
| .......uagcuuaCcagacugauguugacu..... | 17 | 1 | hsa |
| .......uagcAuaucagacugauguugacu..... | 18 | 1 | hsa |
| .......uagcuuaucagacugauguugacu..... | 20609 | 0 | hsa |
| .......uagcuuauUagacugauguugacug..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacGg..... | 22 | 1 | hsa |
| .......uagcuuaucagacugauguugacug..... | 74 | 0 | hsa |
| .......uagcuuaucagacGgauguugacug..... | 1 | 1 | hsa |
| .......uagcuuaucCgacugauguugacug..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacAg..... | 7 | 1 | hsa |
| .......uagcuuaucagacugauguugacuC..... | 5 | 1 | hsa |
| .......uagcuuaucagacugauguugacuA..... | 100 | 1 | hsa |
| .......uagcCuaucagacugauguugacug..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacCg..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacuU..... | 37 | 1 | hsa |
| .......uagGuuaucagacugauguugacug..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacugG..... | 4 | 1 | hsa |
| .......uagUuuaucagacugauguugacugu..... | 1 | 1 | hsa |
| .......uagcGuaucagacugauguugacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacAgu..... | 4 | 1 | hsa |
| .......uagcuuaucaAacugauguugacugu..... | 1 | 1 | hsa |
| .......uaAcuuaucagacugauguugacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacuAu..... | 3 | 1 | hsa |
| .......uagcuuaucagacugauguugUcugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacugC..... | 7 | 1 | hsa |
| .......uCgcuuaucagacugauguugacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacugu..... | 193 | 0 | hsa |
| .......uagcuuaCcagacugauguugacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguuUacugu..... | 3 | 1 | hsa |
| .......uagcuuaucagacuUauguugacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacCgu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacuUu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacugA..... | 1 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
|---|---|---|---|
| .......uagcuuCucagacugauguugacugu..... | 2 | 1 | hsa |
| .......uagcuuaucCgacugauguugacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacAgauguugacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguCgacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugCcugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacGgu..... | 14 | 1 | hsa |
| .......uagcuuauUagacugauguugacugu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguuUacuguu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacugCu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacuguu..... | 38 | 0 | hsa |
| .......uagcuuaucagacugauguugCcuguu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacugGu..... | 2 | 1 | hsa |
| .......uagcuuaucagacugauguugacGguu..... | 3 | 1 | hsa |
| .......uagcuuaucagacugauguugacugAu..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacuguC..... | 2 | 1 | hsa |
| .......uagcuuaucagacugauguugacuguA..... | 3 | 1 | hsa |
| .......uagcuuaucagacugauguugacuguug..... | 5 | 0 | hsa |
| .......uagcuuaucagacugauguugacugAug..... | 1 | 1 | hsa |
| .......uagcuuaucagacugauguugacuguAga..... | 1 | 1 | hsa |
| ........agcuuaucagacugaugu..... | 1 | 0 | hsa |
| ........agcuuaucagacugauguu..... | 15 | 0 | hsa |
| ........agAuuaucagacugauguu..... | 1 | 1 | hsa |
| ........aCcuuaucagacugauguug..... | 1 | 1 | hsa |
| ........agcuuaucaUacugauguug..... | 1 | 1 | hsa |
| ........agcCuaucagacugauguug..... | 2 | 1 | hsa |
| ........agcuuaucagacugauguug..... | 34 | 0 | hsa |
| ........agcuuaucagaUugauguug..... | 1 | 1 | hsa |
| ........agUuuaucagacugauguuga..... | 1 | 1 | hsa |
| ........agcuuCucagacugauguuga..... | 1 | 1 | hsa |
| ........agcuuaucagaAugauguuga..... | 1 | 1 | hsa |
| ........agcuuauUagacugauguuga..... | 3 | 1 | hsa |
| ........Ggcuuaucagacugauguuga..... | 1 | 1 | hsa |
| ........agAuuaucagacugauguuga..... | 4 | 1 | hsa |
| ........agcuuaucagacuUauguuga..... | 2 | 1 | hsa |
| ........agcuuaAcagacugauguuga..... | 1 | 1 | hsa |
| ........agcuuaucagacugUuguuga..... | 3 | 1 | hsa |
| ........agcuuaucagacugauguuUa..... | 1 | 1 | hsa |
| ........agcuuaucagacugaCguuga..... | 2 | 1 | hsa |
| ........agcuuaucaUacugauguuga..... | 3 | 1 | hsa |
| ........agcuuauGagacugauguuga..... | 1 | 1 | hsa |
| ........agcAuaucagacugauguuga..... | 1 | 1 | hsa |
| ........agcuuaucagacugauguugC..... | 1 | 1 | hsa |
| ........agcuuaucaAacugauguuga..... | 2 | 1 | hsa |
| ........aCcuuaucagacugauguuga..... | 1 | 1 | hsa |
| ........agcuuaucagacugaGguuga..... | 1 | 1 | hsa |
| ........agcuuaucagacugauguugU..... | 14 | 1 | hsa |
| ........agcuuaucagacCgauguuga..... | 1 | 1 | hsa |
| ........agcuuaucagacugaugGuga..... | 1 | 1 | hsa |
| ........agcuuaucagacugCuguuga..... | 1 | 1 | hsa |
| ........Ugcuuaucagacugauguuga..... | 5 | 1 | hsa |
| ........agcuuaucagacugauguuAa..... | 1 | 1 | hsa |
| ........agcuuaucagacugauguuga..... | 393 | 0 | hsa |
| ........agcuuaucagacugauguAga..... | 1 | 1 | hsa |
| ........aUcuuaucagacugauguuga..... | 2 | 1 | hsa |
| ........agcuuaucagacuAauguugac..... | 1 | 1 | hsa |
| ........agcuuaucagacugUuguugac..... | 1 | 1 | hsa |
| ........agcuuaucagacugCuguugac..... | 1 | 1 | hsa |
| ........Ugcuuaucagacugauguugac..... | 8 | 1 | hsa |
| ........agcuuaucagacugauguugaU..... | 48 | 1 | hsa |
| ........agcuuaucagacugauguuUac..... | 12 | 1 | hsa |
| ........agcuuaucagacugGuguugac..... | 3 | 1 | hsa |
| ........Cgcuuaucagacugauguugac..... | 4 | 1 | hsa |
| ........agcuuCucagacugauguugac..... | 2 | 1 | hsa |
| ........agcuuaucagacugauguuCac..... | 1 | 1 | hsa |
| ........agcuuaucagacuUauguugac..... | 7 | 1 | hsa |
| ........agcuuaucagacugaAguugac..... | 1 | 1 | hsa |
| ........agcuuaucagaGugauguugac..... | 1 | 1 | hsa |
| ........agcuuaucagacugauguAgac..... | 1 | 1 | hsa |
| ........agcuuaucagGcugauguugac..... | 1 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
|---|---|---|---|
| ........agcuuaucagacugaCguugac | 1 | 1 | hsa |
| ........agcuuaucagacugauguuAac | 1 | 1 | hsa |
| ........agAuuaucagacugauguugac | 5 | 1 | hsa |
| ........agcuuaCcagacugauguugac | 1 | 1 | hsa |
| ........agcuuaucagacugaugAugac | 1 | 1 | hsa |
| ........agcuuaucagCcugauguugac | 2 | 1 | hsa |
| ........agcuuaucagaAugauguugac | 7 | 1 | hsa |
| ........agcuuaucagacugauguugUc | 1 | 1 | hsa |
| ........agcuuaucGgacugauguugac | 1 | 1 | hsa |
| ........agcuuaucaUacugauguugac | 8 | 1 | hsa |
| ........agcuuaucCgacugauguugac | 1 | 1 | hsa |
| ........agcuuaAcagacugauguugac | 2 | 1 | hsa |
| ........agcuuaucUgacugauguugac | 1 | 1 | hsa |
| ........agcuuaucagUcugauguugac | 1 | 1 | hsa |
| ........agcCuaucagacugauguugac | 2 | 1 | hsa |
| ........agcuuaucagacugauguugaA | 10 | 1 | hsa |
| ........agcuuaucagacugauUuugac | 16 | 1 | hsa |
| ........agcuuaucagaUugauguugac | 3 | 1 | hsa |
| ........agcuuaucaCacugauguugac | 5 | 1 | hsa |
| ........agcuuaucagacugauguugac | 1182 | 0 | hsa |
| ........agcuuaucaAacugauguugac | 1 | 1 | hsa |
| ........aCcuuaucagacugauguugac | 4 | 1 | hsa |
| ........agUuuaucagacugauguugac | 1 | 1 | hsa |
| ........agcuuaucagacugauAuugac | 1 | 1 | hsa |
| ........aUcuuaucagacugauguugac | 5 | 1 | hsa |
| ........agcuuaucagacugauguugCc | 1 | 1 | hsa |
| ........agcuuauUagacugauguugac | 9 | 1 | hsa |
| ........agcuuaucagacugauguuUacu | 8 | 1 | hsa |
| ........agcuuaucagacugauguugaUu | 2 | 1 | hsa |
| ........agcuuauUagacugauguugacu | 4 | 1 | hsa |
| ........agcuuaucagacugauguugacG | 37 | 1 | hsa |
| ........agcuAaucagacugauguugacu | 1 | 1 | hsa |
| ........agcuuaucagacugaugGugacu | 1 | 1 | hsa |
| ........agcuuaucagacugauUuugacu | 8 | 1 | hsa |
| ........agcuuaucagacugauguGgacu | 1 | 1 | hsa |
| ........agcuuaucagacuUauguugacu | 6 | 1 | hsa |
| ........agcuuaucagacugGuguugacu | 2 | 1 | hsa |
| ........Ggcuuaucagacugauguugacu | 1 | 1 | hsa |
| ........agcuuaucaUacugauguugacu | 5 | 1 | hsa |
| ........agcuuaucagacugauguugaAu | 10 | 1 | hsa |
| ........agcuuUucagacugauguugacu | 1 | 1 | hsa |
| ........agcuuaucagacugaGguugacu | 1 | 1 | hsa |
| ........agcuuaucagacugauguuCacu | 1 | 1 | hsa |
| ........agcuuaucagacugaAguugacu | 1 | 1 | hsa |
| ........agcuuaucagaGugauguugacu | 3 | 1 | hsa |
| ........agcuuaucCgacugauguugacu | 1 | 1 | hsa |
| ........aAcuuaucagacugauguugacu | 1 | 1 | hsa |
| ........agUuuaucagacugauguugacu | 1 | 1 | hsa |
| ........agcuuaucagCcugauguugacu | 1 | 1 | hsa |
| ........agcuuaucagacugauguAgacu | 1 | 1 | hsa |
| ........agcuuaucagacugauguugacu | 771 | 0 | hsa |
| ........agcuuaucagacCgauguugacu | 1 | 1 | hsa |
| ........Cgcuuaucagacugauguugacu | 5 | 1 | hsa |
| ........agcuuaucagacugauguugacC | 31 | 1 | hsa |
| ........aUcuuaucagacugauguugacu | 1 | 1 | hsa |
| ........agcuuauGagacugauguugacu | 1 | 1 | hsa |
| ........agcuuaucagacuAauguugacu | 3 | 1 | hsa |
| ........agcuuaucagacugauguugacA | 449 | 1 | hsa |
| ........agcuuaucagacugauguugCcu | 1 | 1 | hsa |
| ........agcuuaucaAacugauguugacu | 2 | 1 | hsa |
| ........agcuuaucagacugCuguugacu | 3 | 1 | hsa |
| ........agcuuaucagacugUuguugacu | 1 | 1 | hsa |
| ........agGuuaucagacugauguugacu | 1 | 1 | hsa |
| ........agcuuaAcagacugauguugacu | 1 | 1 | hsa |
| ........aCcuuaucagacugauguugacu | 1 | 1 | hsa |
| ........agcuuaucagaAugauguugacu | 2 | 1 | hsa |
| ........agcuuaucagacugauguugGcu | 1 | 1 | hsa |
| ........agcuuaucagacugauguugacuU | 6 | 1 | hsa |
| ........agcuuaucagacugauguugacuA | 1 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
|---|---|---|---|
| ........agcuuaucagacugauguugacug..... | 1 | 0 | hsa |
| ........agcuuaucagacugauguugacugu..... | 1 | 0 | hsa |
| ........gcuuaucagacugauguu..... | 1 | 0 | hsa |
| ........gcuuaucagacugauguuU..... | 1 | 1 | hsa |
| ........gcuuaucaUacugauguug..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguug..... | 4 | 0 | hsa |
| ........gcuuaucagCcugauguuga..... | 1 | 1 | hsa |
| ........gcuuaucagacCgauguuga..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguuga..... | 71 | 0 | hsa |
| ........gcuuCucagacugauguuga..... | 1 | 1 | hsa |
| ........Ucuuaucagacugauguuga..... | 5 | 1 | hsa |
| ........gcuuaucCgacugauguuga..... | 1 | 1 | hsa |
| ........gcuuaucagacugUuguugac..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguugac..... | 185 | 0 | hsa |
| ........gcuuaucagGcugauguugac..... | 2 | 1 | hsa |
| ........gcuuaucagacugauguugaA..... | 1 | 1 | hsa |
| ........gcuuaucUgacugauguugac..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguuUac..... | 2 | 1 | hsa |
| ........gcuuaucagacugauUuugac..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguugCc..... | 1 | 1 | hsa |
| ........gcuuaucagCcugauguugac..... | 1 | 1 | hsa |
| ........Ucuuaucagacugauguugac..... | 7 | 1 | hsa |
| ........gcuuaucagacugauguCgac..... | 1 | 1 | hsa |
| ........Ccuuaucagacugauguugac..... | 1 | 1 | hsa |
| ........gcAuaucagacugauguugac..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguugacG..... | 6 | 1 | hsa |
| ........gAuuaucagacugauguugacu..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguuUacu..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguugacA..... | 18 | 1 | hsa |
| ........gcuuaucagacugauguugacu..... | 8 | 0 | hsa |
| ........gcuuaucagacugauguGgacu..... | 1 | 1 | hsa |
| ........gcuuaucagacugauguugacC..... | 2 | 1 | hsa |
| ........gcuuaucagacugauguugacuA..... | 45 | 1 | hsa |
| .........cuuaucagacugauguug..... | 1 | 0 | hsa |
| .........cuuaucagacugauguuga..... | 1 | 0 | hsa |
| .........cuuaucagacugauguugaA..... | 1 | 1 | hsa |
| .........cuuaucagacugaugCugac..... | 1 | 1 | hsa |
| .........Uuuaucagacugauguugac..... | 3 | 1 | hsa |
| .........cuuaucagacugauguugac..... | 8 | 0 | hsa |
| .........cuuaucagacugauguugacC..... | 1 | 1 | hsa |
| .........Uuuaucagacugauguugacu..... | 1 | 1 | hsa |
| .........cuuaucagacugauguugacA..... | 1 | 1 | hsa |
| .........cuuaucagacugauguugacG..... | 2 | 1 | hsa |
| ..........uuaucagacugauguuga..... | 4 | 0 | hsa |
| ..........uAaucagacugauguuga..... | 1 | 1 | hsa |
| ..........uuaucagacugGuguugac..... | 1 | 1 | hsa |
| ..........uuaucagacugaugCugac..... | 1 | 1 | hsa |
| ..........uuaucagacugauguugac..... | 21 | 0 | hsa |
| ..........uuCucagacugauguugac..... | 1 | 1 | hsa |
| ..........uuaucagacugauguugaA..... | 1 | 1 | hsa |
| ..........uuaucagacugauguugacu..... | 1 | 0 | hsa |
| ..........uuaucagacugauguugacC..... | 2 | 1 | hsa |
| ..........uuaucagacugauguugacA..... | 3 | 1 | hsa |
| ............uaucagacugauguugac..... | 8 | 0 | hsa |
| ............uaucagacugaGguugacuguuga..... | 1 | 1 | hsa |
| ............................uguugaaucucauggcaacacc..... | 1 | 0 | hsa |
| .....................................cauggcaacaccagucgaugggcuguc..... | 1 | 0 | hsa |
| .....................................auggcaacaccagucgaugggcuguc..... | 2 | 0 | hsa |
| .....................................auggcaacaccagucgaugggcugucu.... | 1 | 0 | hsa |
| .....................................uggcaacaccagucgaugggcuguc..... | 2 | 0 | hsa |
| .....................................gcaacaccagucgaugggcuguc..... | 1 | 0 | hsa |
| .....................................caacaccaUucgaugggc..... | 1 | 1 | hsa |
| .....................................caacaccagucgaugggc..... | 8 | 0 | hsa |
| .....................................caacaccCgucgaugggcu..... | 1 | 1 | hsa |
| .....................................caacaccagucgauggUcu..... | 1 | 1 | hsa |
| .....................................caacaccagucgaugggcu..... | 24 | 0 | hsa |
| .....................................caacCccagucgaugggcug..... | 1 | 1 | hsa |
| .....................................caacaccagucgaugggcuU..... | 3 | 1 | hsa |
| .....................................caacaccagucgaugUgcug..... | 1 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
|---|---|---|---|
| .....caacaccagucgauUggcug..... | 2 | 1 | hsa |
| .....caacaccagucgaugggcug..... | 49 | 0 | hsa |
| .....caacaccaguGgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgauggCcugu..... | 1 | 1 | hsa |
| .....caacaccaUucgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcuCu..... | 1 | 1 | hsa |
| .....caacaccagAcgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgauggUcugu..... | 4 | 1 | hsa |
| .....cGacaccagucgaugggcugu..... | 1 | 1 | hsa |
| .....caacUccagucgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgUugggcugu..... | 1 | 1 | hsa |
| .....caacaccagGcgaugggcugu..... | 2 | 1 | hsa |
| .....caacaUcagucgaugggcugu..... | 2 | 1 | hsa |
| .....Uaacaccagucgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcGgu..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugu..... | 584 | 0 | hsa |
| .....caacaccagucgauCggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgCugggcugu..... | 1 | 1 | hsa |
| .....caaAaccagucgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugA..... | 5 | 1 | hsa |
| .....caacaccagucgauUggcugu..... | 6 | 1 | hsa |
| .....cCacaccagucgaugggcugu..... | 2 | 1 | hsa |
| .....caaGaccagucgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgauAggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgauggAcugu..... | 1 | 1 | hsa |
| .....cUacaccagucgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcuUu..... | 12 | 1 | hsa |
| .....caacaccagucgaCgggcugu..... | 2 | 1 | hsa |
| .....caacaccaguUgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagCcgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugC..... | 1 | 1 | hsa |
| .....caacaccCgucgaugggcugu..... | 2 | 1 | hsa |
| .....caacaccagucgaugggcugG..... | 2 | 1 | hsa |
| .....caacaccagucgaugggGugu..... | 1 | 1 | hsa |
| .....caaUaccagucgaugggcugu..... | 1 | 1 | hsa |
| .....caacaccagucUaugggcugu..... | 2 | 1 | hsa |
| .....caacaccagucgaugUgcugu..... | 2 | 1 | hsa |
| .....cCacaccagucgaugggcuguc..... | 12 | 1 | hsa |
| .....caacaccagucgaugggcugCc..... | 1 | 1 | hsa |
| .....caacaccagGcgaugggcuguc..... | 3 | 1 | hsa |
| .....caacaccaguGgaugggcuguc..... | 1 | 1 | hsa |
| .....caacacUagucgaugggcuguc..... | 4 | 1 | hsa |
| .....caacaccagucUaugggcuguc..... | 7 | 1 | hsa |
| .....caacaGcagucgaugggcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgauggCcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgauAggcuguc..... | 4 | 1 | hsa |
| .....Uaacaccagucgaugggcuguc..... | 8 | 1 | hsa |
| .....caacaccagucgaugAgcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugUgcuguc..... | 8 | 1 | hsa |
| .....caacaUcagucgaugggcuguc..... | 3 | 1 | hsa |
| .....caCcaccagucgaugggcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcuUuc..... | 10 | 1 | hsa |
| .....caacaccagucgCugggcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcuguc..... | 1408 | 0 | hsa |
| .....caacaccagucgaugggcuguU..... | 14 | 1 | hsa |
| .....caacaccaCucgaugggcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcuguG..... | 1 | 1 | hsa |
| .....caacacAagucgaugggcuguc..... | 2 | 1 | hsa |
| .....caacaccagucgaugggcuguA..... | 35 | 1 | hsa |
| .....caacaccaguUgaugggcuguc..... | 3 | 1 | hsa |
| .....caacaccaUucgaugggcuguc..... | 6 | 1 | hsa |
| .....cGacaccagucgaugggcuguc..... | 2 | 1 | hsa |
| .....caacaccagucgaugggcGguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggAuguc..... | 1 | 1 | hsa |
| .....caacaccagCcgaugggcuguc..... | 4 | 1 | hsa |
| .....caacaccagucgaugggcuAuc..... | 5 | 1 | hsa |
| .....caacaccaAucgaugggcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcAguc..... | 1 | 1 | hsa |
| .....caacCccagucgaugggcuguc..... | 10 | 1 | hsa |

hsa-miR-21-3p

hsa-miR-21-5p

ugucggguagcuuaucagacugauguugacuguugaaucucauggcaacaccagucgaugggcugucugaca

| | | | |
|---|---|---|---|
| .....caacaccagucgaCgggcuguc..... | 2 | 1 | hsa |
| .....Aaacaccagucgaugggcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgUugggcuguc..... | 1 | 1 | hsa |
| .....caacaccCgucgaugggcuguc..... | 4 | 1 | hsa |
| .....caacaccagucgGugggcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggUuguc..... | 4 | 1 | hsa |
| .....caacaccagucgaugCgcuguc..... | 1 | 1 | hsa |
| .....caaAaccagucgaugggcuguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcuCuc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcCguc..... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugAc..... | 2 | 1 | hsa |
| .....caacaccagucgauUggcuguc..... | 6 | 1 | hsa |
| .....caacaccagucgauggUcuguc..... | 14 | 1 | hsa |
| .....caacaccagucAaugggcuguc..... | 4 | 1 | hsa |
| .....caaUaccagucgaugggcuguc..... | 5 | 1 | hsa |
| .....caacaccagAcgaugggcuguc..... | 5 | 1 | hsa |
| .....caacaccagucCaugggcuguc..... | 1 | 1 | hsa |
| .....caacaccaguUgaugggcugucu.... | 1 | 1 | hsa |
| .....caacaccagucgaugggcuUucu.... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugucu.... | 83 | 0 | hsa |
| .....caacaccagucgaugggcuguUu.... | 5 | 1 | hsa |
| .....caacaccagucgaugggUugucu.... | 1 | 1 | hsa |
| .....Uaacaccagucgaugggcugucu.... | 2 | 1 | hsa |
| .....caacaccagucgaugggcugucA.... | 96 | 1 | hsa |
| .....caacaccagucUaugggcugucu.... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugucC.... | 2 | 1 | hsa |
| .....caacaccagucAaugggcugucu.... | 1 | 1 | hsa |
| .....caacaccagucgaugggcuguAu.... | 14 | 1 | hsa |
| .....caacaccagCcgaugggcugucu.... | 1 | 1 | hsa |
| .....caacacAagucgaugggcugucu.... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugucuA... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugucuU... | 7 | 1 | hsa |
| .....caacaccagucgaugggcugucAg... | 1 | 1 | hsa |
| .....caacaccagucgaugggcugucuUa.. | 1 | 1 | hsa |
| .....caacaccagucgaugggcugucuAa.. | 1 | 1 | hsa |
| .....caacaccagucgaugggcugucAga.. | 1 | 1 | hsa |
| .....caacaccagucgaugggcugucuAac. | 1 | 1 | hsa |
| .....aacaccagucgaugggcugu...... | 4 | 0 | hsa |
| .....aacaccagucgauggUcuguc..... | 1 | 1 | hsa |
| .....aacaccagucgaugggcuguA..... | 1 | 1 | hsa |
| .....aacaccagucgaugggcuguc..... | 16 | 0 | hsa |
| .....aCcaccagucgaugggcugucu.... | 1 | 1 | hsa |
| .....aacaccagucgaugggcugucu.... | 51 | 0 | hsa |
| .....aacaccagucgaugggcugucA.... | 7 | 1 | hsa |
| .....aacaccagucgaugggcugucuU... | 8 | 1 | hsa |
| .....aacaccagucgaugggcugucuA... | 1 | 1 | hsa |
| .....acaccagucgaugggcugu...... | 1 | 0 | hsa |
| .....acaccagucgaugUgcuguc..... | 1 | 1 | hsa |
| .....acaccagucgaugggcuguc..... | 9 | 0 | hsa |
| .....acaccagucgaugggcuUuc..... | 1 | 1 | hsa |
| .....acaccagucgaugggcugucu.... | 8 | 0 | hsa |
| .....acaccagucgaugggcugucuU... | 2 | 1 | hsa |
| .....acaccagucgaugggcugucuUa.. | 1 | 1 | hsa |
| .....caccagucgaugggcugu...... | 1 | 0 | hsa |
| .....caccagucgaugggcuguc..... | 2 | 0 | hsa |
| .....accagucgaugggcuguc..... | 1 | 0 | hsa |