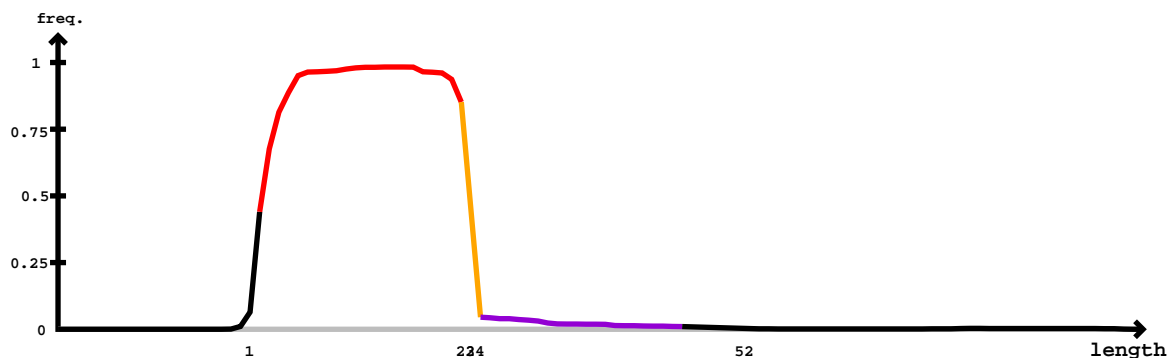


Diallo et al., 2022

A) miR-MAY-251

[illegible]

Mature Star

| | | | |
|--|-----|---|-----|
| gaccuagguuguucucuaucuuugugaugugggcucugaaacaaaccaggugugauuacaguaaacaaauucaaauuuaauuccgauauaaaauucaugagaggaaaauuau | | | |
|cuuugugaugugggcucugaaacaaacc..... | 2 | 0 | S23 |
|cuuugugaugugggcucugaaacaaaccag..... | 1 | 0 | S23 |
|cuuugugaugugggcucugaaacaaaccagg..... | 2 | 0 | S23 |
|uuugugaugugggcucugaa..... | 3 | 0 | S23 |
|Guugugaugugggcucugaaa..... | 1 | 1 | S23 |
|uuugugaugugggcucugaaa..... | 13 | 0 | S23 |
|uuugugauCugggcucugaaac..... | 1 | 1 | S23 |
|uuugugaugugggcucugaGac..... | 1 | 1 | S23 |
|uuugugaugugggcucugaaac..... | 158 | 0 | S23 |
|uuugugaugugggcucAgaac..... | 1 | 1 | S23 |
|uuugugaugugggcucugaaaA..... | 2 | 1 | S23 |
|Guugugaugugggcucugaaac..... | 1 | 1 | S23 |
|uuugugaugugggcucugaaacG..... | 1 | 1 | S23 |
|uuugugaugugggcucugaaaca..... | 11 | 0 | S23 |
|uuugugaugugggcucugaaacU..... | 1 | 1 | S23 |
|uuugugaugugggcucugaaaAa..... | 1 | 1 | S23 |
|uuugugaugugggcucugaaacaa..... | 1 | 0 | S23 |
|uuugugaugugggcucugaaacaGa..... | 1 | 1 | S23 |
|uuugugaugugggcucugaaacaaa..... | 2 | 0 | S23 |
|uuugugaugugggcucugaaacaaaccag..... | 1 | 0 | S23 |
|uuugugaugugggcucugaaacaaaccagg..... | 1 | 0 | S23 |
|uugugaugugggcucuga..... | 2 | 0 | S23 |
|uugugaugugggcucugaa..... | 5 | 0 | S23 |
|uugugaugugggcucugaaa..... | 6 | 0 | S23 |
|uugugaugugggcucugaaU..... | 2 | 1 | S23 |
|uugugaugugggcucugaaaU..... | 1 | 1 | S23 |
|Gugugaugugggcucugaaac..... | 2 | 1 | S23 |
|uugAgaugugggcucugaaac..... | 1 | 1 | S23 |
|uugugaugugggcucugaaac..... | 66 | 0 | S23 |
|Augugaugugggcucugaaac..... | 1 | 1 | S23 |
|uugugaugugggcucugaaaca..... | 1 | 0 | S23 |
|uugugaugugggcucugaaacU..... | 3 | 1 | S23 |
|uugugaugugggcucugaaacaa..... | 1 | 0 | S23 |
|uugugaugugggcucugaaacaaacc..... | 1 | 0 | S23 |
|uugugaugugggcucugaaaAaaaccag..... | 1 | 1 | S23 |
|uugugaugugggcucugaaacaaaccagg..... | 1 | 0 | S23 |
|ugugaugugggcucugaa..... | 3 | 0 | S23 |
|ugugaugugggcucugaaa..... | 11 | 0 | S23 |
|Ggugaugugggcucugaaac..... | 1 | 1 | S23 |
|ugugauguggGucugaaac..... | 1 | 1 | S23 |
|ugugaugugggcucugaaac..... | 41 | 0 | S23 |
|ugugaugugggcucugaaaU..... | 1 | 1 | S23 |
|ugugaugugggcucugaaacU..... | 3 | 1 | S23 |
|ugugaugugCcucugaaaca..... | 1 | 1 | S23 |
|gugaugugggcucugaaa..... | 8 | 0 | S23 |
|gugaugugggcucugaaac..... | 33 | 0 | S23 |
|gCgaugugggcucugaaac..... | 1 | 1 | S23 |
|gugaugugggcucugaaaca..... | 3 | 0 | S23 |
|gugaugugggcucugaaacU..... | 1 | 1 | S23 |
|gugaugugggcucugaaacaaa..... | 1 | 0 | S23 |
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|gugaugugggcucugaaacaaacU..... | 1 | 1 | S23 |
|ugaugugggcucugaaac..... | 9 | 0 | S23 |
|ugaugugggcucugaaaAa..... | 2 | 1 | S23 |
|ugaugugggcucugaaacaaacc..... | 1 | 0 | S23 |
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|aaaccaggugugauuacaguaaca..... | 1 | 0 | S23 |
|aaccaggugugauuacaguaac..... | 2 | 0 | S23 |
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|caggugugauuacaguaac..... | 1 | 0 | S23 |
|gauuacaguaacaaauucaaau..... | 1 | 0 | S23 |
|caaugagaggaaaaaua..... | 1 | 0 | S23 |
|uaucuuugugaugugggcucugaC..... | 1 | 1 | S15 |

Mature Star

gaccuagguuguucucuaucuuuugugaugugggcucugaaacaaccaggugugauuacaguaaacaaauucaaauuuuuuuuuccgauauuuuuucaaugagaggaaaauuau

| | | | |
|--------------------------------------|-----|---|-----|
|aucuuugugaugugggcucugaaaU..... | 2 | 1 | S15 |
|aucuuugugaugugggcucugaaac..... | 6 | 0 | S15 |
|aucuuugugaugugggcucugaaaca..... | 1 | 0 | S15 |
|ucuuugugaugugggcucC..... | 1 | 1 | S15 |
|ucuuugugaugugggcucu..... | 3 | 0 | S15 |
|Gcuuugugaugugggcucugaaac..... | 1 | 1 | S15 |
|ucuuuguUaugugggcucugaaac..... | 2 | 1 | S15 |
|ucuuugugaugugggcucugaaaU..... | 1 | 1 | S15 |
|ucuuugugaugugggcucugGaac..... | 1 | 1 | S15 |
|ucuuugugaugugggcucugaaac..... | 36 | 0 | S15 |
|ucuuugugaugugggcucugaaaA..... | 1 | 1 | S15 |
|ucuuugugaugugggcucugaaaca..... | 3 | 0 | S15 |
|ucuuugugaugugggcucugCaaca..... | 1 | 1 | S15 |
|cuuugugaugugggcUu..... | 1 | 1 | S15 |
|cuuugugaugugggcucu..... | 15 | 0 | S15 |
|cuCugugaugugggcucu..... | 1 | 1 | S15 |
|cuuugugaugugggcucA..... | 4 | 1 | S15 |
|cuuugCgaugugggcucu..... | 1 | 1 | S15 |
|cuuugugaugugggcUu..... | 1 | 1 | S15 |
|Guuugugaugugggcucu..... | 1 | 1 | S15 |
|cuuugugaugugggcucC..... | 2 | 1 | S15 |
|cuuugugaugugggcucAg..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaa..... | 5 | 0 | S15 |
|cuCugugaugugggcucugaaa..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaaG..... | 1 | 1 | S15 |
|Uuuugugaugugggcucugaaa..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaaa..... | 19 | 0 | S15 |
|cuuugugaugugggcucugaUac..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaCac..... | 1 | 1 | S15 |
|cuuugugauUugggcucugaaac..... | 1 | 1 | S15 |
|cuuuguUaugugggcucugaaac..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaaaU..... | 16 | 1 | S15 |
|cuuugugaugugggcucuCaaac..... | 1 | 1 | S15 |
|cuuugugUugugggcucugaaac..... | 1 | 1 | S15 |
|cuuugugaCgugggcucugaaac..... | 1 | 1 | S15 |
|cuuugugauAugggcucugaaac..... | 1 | 1 | S15 |
|cuuCgugaugugggcucugaaac..... | 1 | 1 | S15 |
|Auuuugugaugugggcucugaaac..... | 2 | 1 | S15 |
|cuuugugaugugggcUaugaaac..... | 1 | 1 | S15 |
|cuuugugaugugggcucCgaac..... | 2 | 1 | S15 |
|cuuugugaugugggcucugCaac..... | 2 | 1 | S15 |
|Guuugugaugugggcucugaaac..... | 1 | 1 | S15 |
|cuuugugaugugggcucugUaac..... | 1 | 1 | S15 |
|cuuugugaugugUcucugaaac..... | 2 | 1 | S15 |
|cuuugugaugUAgcucugaaac..... | 1 | 1 | S15 |
|cuuugugauguggAUcugaaac..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaGac..... | 2 | 1 | S15 |
|cuuugugGugugggcucugaaac..... | 2 | 1 | S15 |
|cuuugugaugugggcucugaaaA..... | 5 | 1 | S15 |
|cuuugugaugGgggcucugaaac..... | 2 | 1 | S15 |
|cuuugugaugCgggcucugaaac..... | 3 | 1 | S15 |
|cuuugugauguggUucugaaac..... | 2 | 1 | S15 |
|cuuugCgaugugggcucugaaac..... | 1 | 1 | S15 |
|cuGugugaugugggcucugaaac..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaaac..... | 290 | 0 | S15 |
|cuuugugaugugggcucugaGaca..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaaaca..... | 9 | 0 | S15 |
|cuuugugaugugggcucugaaacU..... | 1 | 1 | S15 |
|cuuugugaugugggcucugaaacaaa..... | 1 | 0 | S15 |
|uuugugaugugggcucug..... | 2 | 0 | S15 |
|uuugugaugugggcucuga..... | 3 | 0 | S15 |
|uuugugaugugggcucugaa..... | 13 | 0 | S15 |
|uuuguUaugugggcucugaaa..... | 1 | 1 | S15 |
|uuugugaugugggcucugaaa..... | 20 | 0 | S15 |
|uuugugaugugggcucuUaaac..... | 3 | 1 | S15 |
|uuugugauguggUucugaaac..... | 1 | 1 | S15 |
|uuCgugaugugggcucugaaac..... | 2 | 1 | S15 |
|uuugugaugugggcucugaaGc..... | 1 | 1 | S15 |
|Guugugaugugggcucugaaac..... | 2 | 1 | S15 |
|uuugugaugugggcucugaaCc..... | 1 | 1 | S15 |

Mature Star

gaccuagguuguucucuaucuuugugaugugggcucugaaacaaaccaggugugauuacaguaacaaauuucaauuuuuuuuuccgauauuuuucaaugagaggaaaauuau

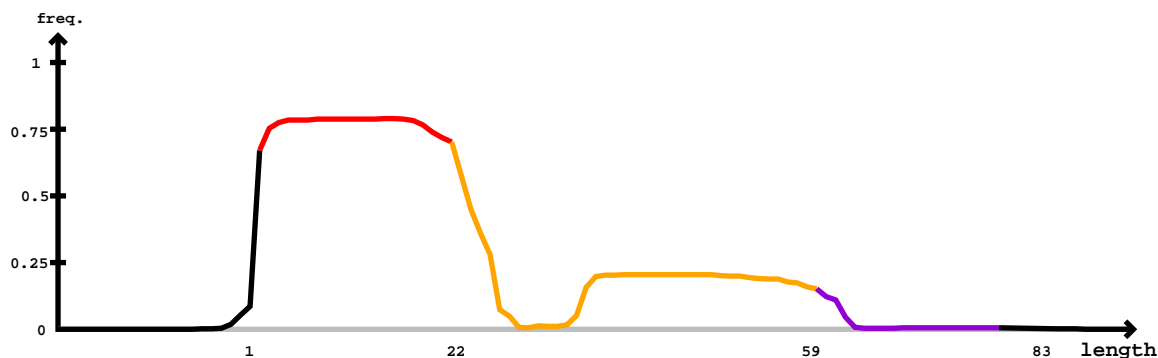
| | | | |
|---------------------------------|-----|---|-----|
| uuuCu | 1 | 1 | S15 |
| uuugugaugCgg | 1 | 1 | S15 |
| uuugugaugugggcucugaaaA | 2 | 1 | S15 |
| uuugugaugugggcucugGaac | 1 | 1 | S15 |
| uuugugaugugggcucugCaac | 1 | 1 | S15 |
| uuugugaGgugggcucugaaac | 1 | 1 | S15 |
| uuugugaugugggcucugaaac | 138 | 0 | S15 |
| uuugugaugugggcCcugaaac | 1 | 1 | S15 |
| uuuguUaugugggcucugaaac | 3 | 1 | S15 |
| uuugugaugugggcucugaaaU | 9 | 1 | S15 |
| uuugugaugugggcucugaGac | 1 | 1 | S15 |
| uuugugaugugCcucugaaac | 1 | 1 | S15 |
| uAugugaugugggcucugaaac | 1 | 1 | S15 |
| uuugugaugugggcucGgaac | 1 | 1 | S15 |
| uuugugaugugggcucugaaaca | 4 | 0 | S15 |
| uuugugaugugggcucugaaaAa | 2 | 1 | S15 |
| uuugugaugugggcucugaaacG | 1 | 1 | S15 |
| uuugugaugugggcCcugaaacaa | 1 | 1 | S15 |
| uuuguUaugugggcucugaaacaaa | 1 | 1 | S15 |
| uuugugaugugggcucugaa | 5 | 0 | S15 |
| Augugaugugggcucugaaa | 1 | 1 | S15 |
| uugugGugugggcucugaaa | 1 | 1 | S15 |
| uuCu | 1 | 1 | S15 |
| uugugaugugggcucCgaaa | 1 | 1 | S15 |
| uugugaugugggcucugaaa | 23 | 0 | S15 |
| uugugaugugggcucugaaGc | 2 | 1 | S15 |
| uuguAaugugggcucugaaac | 1 | 1 | S15 |
| uugugaugugggcucugaaaU | 6 | 1 | S15 |
| uugugaugugggcucugaaCc | 1 | 1 | S15 |
| uugugaugugggcucugGaac | 1 | 1 | S15 |
| uugugauUugggcucugaaac | 1 | 1 | S15 |
| uugugaugugggcucUaaac | 1 | 1 | S15 |
| uugugaugugggcucugaaUc | 1 | 1 | S15 |
| uugugaugugggcucugaaaA | 10 | 1 | S15 |
| uugugaugugggAucugaaac | 1 | 1 | S15 |
| Gugugaugugggcucugaaac | 2 | 1 | S15 |
| uugugaugugggcucugaaac | 83 | 0 | S15 |
| Augugaugugggcucugaaac | 2 | 1 | S15 |
| uugugaugugggcucugaaacC | 1 | 1 | S15 |
| uugugaugugggcucugaaaAa | 1 | 1 | S15 |
| uugugaugugggcucugaaaca | 4 | 0 | S15 |
| uugugaugugggcucugaaacaaa | 2 | 0 | S15 |
| ugugaugugggcucugaa | 1 | 0 | S15 |
| Ggugaugugggcucugaaa | 1 | 1 | S15 |
| ugugaugugggcucugaaa | 8 | 0 | S15 |
| ugugaugugggcucugaGac | 1 | 1 | S15 |
| uAugaugugggcucugaaac | 1 | 1 | S15 |
| ugugaugugggcucugaaaA | 4 | 1 | S15 |
| ugugaugugggcucugaaac | 39 | 0 | S15 |
| ugugaugugggcucugaCac | 1 | 1 | S15 |
| ugugaugugggcucugaaaU | 5 | 1 | S15 |
| ugugaugugggcucugaaaca | 4 | 0 | S15 |
| Agugaugugggcucugaaaca | 1 | 1 | S15 |
| ugugaugugggcucugaaaAa | 1 | 1 | S15 |
| ugugaugugggcucugaaacaa | 1 | 0 | S15 |
| ugugaugugggcucugaaacaaaccaggG | 1 | 1 | S15 |
| Uugaugugggcucugaaa | 1 | 1 | S15 |
| gugaugugggcucugaaa | 9 | 0 | S15 |
| gugauguUgcucugaaac | 1 | 1 | S15 |
| gugUugugggcucugaaac | 1 | 1 | S15 |
| gugaugugggcucugaaac | 41 | 0 | S15 |
| gugaugugggcucugaGac | 1 | 1 | S15 |
| gugaugugggcucugaaaA | 2 | 1 | S15 |
| gugaugugggcucugaaaU | 5 | 1 | S15 |
| gugaugugggcucugaaacGa | 1 | 1 | S15 |
| gugaugugggcucugaaacaaaccaggugug | 1 | 0 | S15 |
| ugaugugggcucugaaaU | 1 | 1 | S15 |
| ugaugugggcucugaaac | 5 | 0 | S15 |
| ugaugugggcucugaaCc | 1 | 1 | S15 |
| ugaugugggcucugCaac | 2 | 1 | S15 |

Mature Star

| | | | | | | |
|---|-------------------------|------------------------------------|------------------|---|---|-----|
| gaccuagguuguucucuaucuuugugaugugggcucugaaaca | aaaccaggugugauuacaguaac | aaauuucaaauuuuuuuuuccgauuaauuuucaa | augagaggaaaauuau | | | |
|ugaugugggcucugaaaca | ..... | ..... | ..... | 2 | 0 | S15 |
|gaugugggcucugaaacaaaccaggC | ..... | ..... | ..... | 1 | 1 | S15 |
|augugggcucugaaacaaaccaggugu | ..... | ..... | ..... | 1 | 0 | S15 |
|gugggcucugaaacaaaccaggugugauu | ..... | ..... | ..... | 1 | 0 | S15 |
|gggcucugaaacaaaccaggugugGuu | ..... | ..... | ..... | 1 | 1 | S15 |
|cucugaaacaaaccaggugugauu | ..... | ..... | ..... | 1 | 0 | S15 |
|aaccaggugugauuacag | ..... | ..... | ..... | 1 | 0 | S15 |
|aaccaggugugauuacaguaac | ..... | ..... | ..... | 1 | 0 | S15 |
|accaggugugauuacaguaac | ..... | ..... | ..... | 2 | 0 | S15 |
|ccaggugugauuacaguaaU | ..... | ..... | ..... | 1 | 1 | S15 |
|uaaaauuccgauuaauuuuua | ..... | ..... | ..... | 1 | 0 | S15 |
|auuucaaugagaggaaaauu | ..... | ..... | ..... | 1 | 0 | S15 |
|uuucaaugagaggaaaa | ..... | ..... | ..... | 1 | 0 | S15 |
|gugauAuggcucugaaac | ..... | ..... | ..... | 1 | 1 | S13 |
|gugauAuggcucugaaaca | ..... | ..... | ..... | 1 | 1 | S13 |
|ugauAuggcucugaaacaaaccag | ..... | ..... | ..... | 1 | 1 | S13 |
|gauAuggcucugaaacaaacc | ..... | ..... | ..... | 1 | 1 | S13 |
|ugggcugaaacaaaccagg | ..... | ..... | ..... | 1 | 0 | S13 |
|ugggcucugaaacaaaccaggu | ..... | ..... | ..... | 1 | 0 | S13 |
|ugggcucugaaacaaaccaggug | ..... | ..... | ..... | 1 | 0 | S13 |
|gggcugaaacaaaccag | ..... | ..... | ..... | 1 | 0 | S13 |
|gggcucugaaacaaaccagg | ..... | ..... | ..... | 1 | 0 | S13 |
|gaaacaaaccaggguAugauuaca | ..... | ..... | ..... | 1 | 1 | S13 |
|aaaccaggguAugauuacaguaac | ..... | ..... | ..... | 1 | 1 | S13 |
|aaaccaggguAugauuacaguaaca | ..... | ..... | ..... | 1 | 1 | S13 |
|aaccaggguAugauuacagua | ..... | ..... | ..... | 1 | 1 | S13 |
|aaccaggguAugauuacaguaac | ..... | ..... | ..... | 2 | 1 | S13 |
|accaggguAugauuacaguaa | ..... | ..... | ..... | 1 | 1 | S13 |
|accaggguAugauuacaguaac | ..... | ..... | ..... | 2 | 1 | S13 |
|ccaggguAugauuacaguaac | ..... | ..... | ..... | 1 | 1 | S13 |
|Augauuacaguaacaaauuuaa | ..... | ..... | ..... | 1 | 1 | S13 |
|auuuuuuuuccgauuaaaa | ..... | ..... | ..... | 1 | 0 | S13 |
|ucaaugagaggaaaauu | ..... | ..... | ..... | 2 | 0 | S13 |
|cuuugugaugugggcucugaaac | ..... | ..... | ..... | 1 | 0 | S21 |
|uAuggcucugaaacaaaccagg | ..... | ..... | ..... | 1 | 1 | S21 |
|Auggcucugaaacaaaccagg | ..... | ..... | ..... | 4 | 1 | S21 |
|Auggcucugaaacaaaccaggu | ..... | ..... | ..... | 3 | 1 | S21 |
|ugggcugaaacaaacca | ..... | ..... | ..... | 4 | 0 | S21 |
|gggcucugaaacaaaccagg | ..... | ..... | ..... | 1 | 0 | S21 |
|ucuuugugaugugggcucugaaac | ..... | ..... | ..... | 1 | 0 | S14 |
|cuuugugaugugggcucugaaa | ..... | ..... | ..... | 4 | 0 | S14 |

Diallo et al., 2022

B) miR-MAK-403



Star

[illegible]

Mature **Star**

Star

uguuguguagccauuuauuaucaagaggaagaaugucaacugcuucaucuaaaacacggaagacccaauaagcaguuuuuucuaaaucuuccucaagcuuuuuucuaaac

| | | | |
|---|----|---|------|
|aacacgggaaagacccaauaagcaguuuu..... | 1 | 0 | \$15 |
|acacgggaaagacccaauaagca..... | 1 | 0 | \$15 |
|acacgggaaagacccaauaagcaguu..... | 3 | 0 | \$15 |
|acacgggaaagacccaauaagcaguA..... | 1 | 1 | \$15 |
|acacgggaaagacccaauaagcaguuuu..... | 2 | 0 | \$15 |
|acacgggaaagacccaauaagcaguuuuC..... | 1 | 1 | \$15 |
|acacgggaaagacccaauaagcaguuuuu..... | 2 | 0 | \$15 |
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|cacgggaaagacccaauaagcaguu..... | 1 | 0 | \$15 |
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|ucuuuccuCaGgcuuuuuuc..... | 1 | 1 | \$15 |
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|uaauaucaagagggaagaug..... | 1 | 0 | \$13 |
|aauaucaagagggaagaau..... | 1 | 0 | \$13 |
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|auaucaagagggaagaugua..... | 1 | 1 | \$13 |
|auaucaagagggaagauguc..... | 1 | 0 | \$13 |
|auaucaagagggaagaugGcaac..... | 1 | 1 | \$13 |
|auaucaagagggaagaugucaac..... | 1 | 0 | \$13 |
|auaucaagagggaagaGgucaac..... | 1 | 1 | \$13 |
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|auaucaagagggaagaugucaacugcuu..... | 1 | 0 | \$13 |
|uaucagagggaagauguc..... | 1 | 0 | \$13 |
|uaucagagggaagaugucaa..... | 1 | 0 | \$13 |
|uaucagagggaagaugucaac..... | 4 | 0 | \$13 |
|uaucagagggaagaugucaacu..... | 2 | 0 | \$13 |
|uaucagagggaagaugucaacug..... | 2 | 0 | \$13 |
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|uaucagagggaagaugucaacugcu..... | 3 | 0 | \$13 |
|uaucagagggaagaugucaacugcuuc..... | 1 | 0 | \$13 |
|aucaagagggaagaugC..... | 1 | 1 | \$13 |
|aucaagagggaagaugu..... | 3 | 0 | \$13 |
|aucaagagggaagauguc..... | 8 | 0 | \$13 |
|aucaagagggaagaugucU..... | 1 | 1 | \$13 |
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|aucaagagggaagauguAaacu..... | 2 | 1 | \$13 |
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|aucaagagggaagaugCcaacu..... | 1 | 1 | \$13 |
|aucaagagggaagaugucaacC..... | 2 | 1 | \$13 |
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|aucaagagggaagaugucaacuC..... | 1 | 1 | \$13 |
|aucaagagggaagaugucaacugU..... | 5 | 1 | \$13 |
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|aucaagagggaagaugucaCcuugcu..... | 1 | 1 | \$13 |
|aucaagagggaagaugucaacugcC..... | 11 | 1 | \$13 |
|aucaagagggaagaugucaacuAacu..... | 1 | 1 | \$13 |
|aucaagagggaagaCGucaacugcu..... | 1 | 1 | \$13 |
|aucaagagggaagaugucaacugUu..... | 1 | 1 | \$13 |
|aucaagagggaagaugucaacugcu..... | 49 | 0 | \$13 |
|aucaagagggaagaugucUacugcu..... | 1 | 1 | \$13 |

Mature

Star

uguuguguagccauuuauuaucaucaagaggagaagaugucaacugcucucaucuaaaacacggaaagacccaauaagcaguuuuucuuaucauccucaagcuuuuuuuuuuac

| | | | |
|--|----|---|-----|
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Mature

Star

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|--|---|---|-----|
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