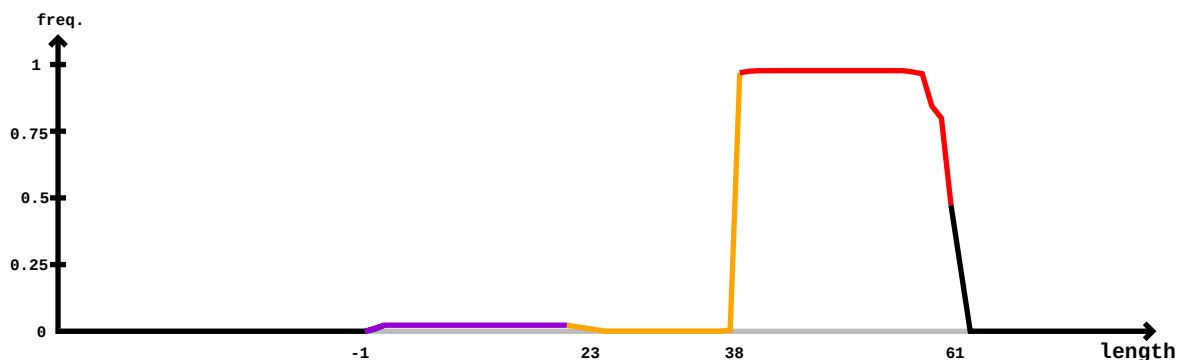




## Mature

[illegible]

## Star

## Mature

|                                                                                                                   |     |   |     |
|-------------------------------------------------------------------------------------------------------------------|-----|---|-----|
| aaauacucuaugguuggggcugugcccuccugugccuacuga6cugguaucauguuugaacucugaguacuggcucaguucagcaggaacaggaguggagcccacugugugcc |     |   |     |
| .....ugccuacuga6cugguaucaugu.....                                                                                 | 1   | 1 | s02 |
| .....ugccuacugaacuUguaucaugu.....                                                                                 | 3   | 1 | s02 |
| .....ugccuacugaacugguaucaugu.....                                                                                 | 1   | 1 | s02 |
| .....6gccuacugaacugguaucaugu.....                                                                                 | 1   | 1 | s02 |
| .....ugccuacugaacugAuaucagu.....                                                                                  | 1   | 1 | s02 |
| .....ugccuacugaacugg6aucagu.....                                                                                  | 2   | 1 | s02 |
| .....ugcAuaucugaacugguaucaugu.....                                                                                | 1   | 1 | s02 |
| .....ugccuaUugaacugguaucaugu.....                                                                                 | 1   | 1 | s02 |
| .....ugccuacugaacugguaucaugC.....                                                                                 | 3   | 1 | s02 |
| .....ugccuacugaUcugguaucaugu.....                                                                                 | 1   | 1 | s02 |
| .....ugccuacugaacugguauC6gu.....                                                                                  | 4   | 1 | s02 |
| .....ugccuacug6acugguaucaugu.....                                                                                 | 2   | 1 | s02 |
| .....Cgccuacugaacugguaucaugu.....                                                                                 | 2   | 1 | s02 |
| .....ugccuacugaacugguauCgu.....                                                                                   | 1   | 1 | s02 |
| .....uCCcuacugaacugguaucaugu.....                                                                                 | 2   | 1 | s02 |
| .....ugccuUcugaacugguaucaugu.....                                                                                 | 1   | 1 | s02 |
| .....ugccuacugaacugguacCagu.....                                                                                  | 3   | 1 | s02 |
| .....ugccuacugaacugguaucaugu.....                                                                                 | 835 | 0 | s02 |
| .....ugccu6cugaacugguaucaugu.....                                                                                 | 2   | 1 | s02 |
| .....ugccuacugaacugguac6cagu.....                                                                                 | 1   | 1 | s02 |
| .....ugccuacugaCcugguaucaugu.....                                                                                 | 5   | 1 | s02 |
| .....ugccuacugaacugguaucauguA.....                                                                                | 2   | 1 | s02 |
| .....ugccuacugaCcugguaucauguu.....                                                                                | 1   | 1 | s02 |
| .....ugccuacugaacugguaucauguu.....                                                                                | 10  | 0 | s02 |
| .....gccuacugaacugguaucaugu.....                                                                                  | 4   | 0 | s02 |
| .....cuacugaacugguaucaugu.....                                                                                    | 1   | 0 | s02 |
| .....guuugaacucugaguacu.....                                                                                      | 1   | 0 | s02 |
| .....guuugaacucugaguacug.....                                                                                     | 18  | 0 | s02 |
| .....acuggcucaguucagcaggaacag.....                                                                                | 1   | 0 | s02 |
| .....cuggcucaguucagcagga.....                                                                                     | 4   | 0 | s02 |
| .....cuggcucaguucagcUggaac.....                                                                                   | 1   | 1 | s02 |
| .....cuggcucaguucagcaggaac.....                                                                                   | 72  | 0 | s02 |
| .....Auggcucaguucagcaggaaca.....                                                                                  | 1   | 1 | s02 |
| .....cuggcucaguucaUcaggaaca.....                                                                                  | 1   | 1 | s02 |
| .....cuggcucaguucagcaggaaca.....                                                                                  | 5   | 0 | s02 |
| .....cuggcucaguuc6caggaaca.....                                                                                   | 1   | 1 | s02 |
| .....cuggcucaguucagcaggUaca.....                                                                                  | 1   | 1 | s02 |
| .....cuggcucaguucagcagg6aca.....                                                                                  | 1   | 1 | s02 |
| .....Auggcucaguucagcaggaacag.....                                                                                 | 7   | 1 | s02 |
| .....cuggcucaguucagcaggaacag.....                                                                                 | 42  | 0 | s02 |
| .....cugNcucaguucagcaggaacag.....                                                                                 | 2   | 1 | s02 |
| .....cuggcucaguucagcagga6cag.....                                                                                 | 1   | 1 | s02 |
| .....cuggcucagAucagcaggaacag.....                                                                                 | 1   | 1 | s02 |
| .....cuggcucGguucagcaggaacag.....                                                                                 | 1   | 1 | s02 |
| .....cuggcucaguucagcaggaacaC.....                                                                                 | 18  | 1 | s02 |
| .....cuggc6caguucagcaggaacag.....                                                                                 | 1   | 1 | s02 |
| .....cuggcucaguucagcaggaacagU.....                                                                                | 101 | 1 | s02 |
| .....cuggcucaguucagcaggaacagg.....                                                                                | 2   | 0 | s02 |
| .....cuggcucaguucagcaggaacagA.....                                                                                | 3   | 1 | s02 |
| .....uggcucaguucagUagga.....                                                                                      | 2   | 1 | s02 |
| .....uggNucaguucagcagga.....                                                                                      | 1   | 1 | s02 |
| .....uggcucaguucagAagga.....                                                                                      | 1   | 1 | s02 |
| .....uggcucaguucagcagga.....                                                                                      | 310 | 0 | s02 |
| .....ugCcucaguucagcagga.....                                                                                      | 1   | 1 | s02 |
| .....uggcucaguuAagcagga.....                                                                                      | 2   | 1 | s02 |
| .....uggcucaguucagcaggC.....                                                                                      | 2   | 1 | s02 |
| .....uggcucaguucagcaggU.....                                                                                      | 1   | 1 | s02 |
| .....uggcucaguucagcCgga.....                                                                                      | 1   | 1 | s02 |
| .....Aggcucaguucagcagga.....                                                                                      | 1   | 1 | s02 |
| .....uggcucagu6cagcagga.....                                                                                      | 1   | 1 | s02 |
| .....uggcucag6ucagcagga.....                                                                                      | 3   | 1 | s02 |
| .....uggAucaguucagcagga.....                                                                                      | 1   | 1 | s02 |
| .....uggNucaguucagcagga.....                                                                                      | 1   | 1 | s02 |
| .....ugg6ucaguucagcagga.....                                                                                      | 1   | 1 | s02 |
| .....Aggcucaguucagcagga.....                                                                                      | 2   | 1 | s02 |
| .....uggcucaguucagcagga.....                                                                                      | 380 | 0 | s02 |
| .....uggcucaguucagcaggaU.....                                                                                     | 9   | 1 | s02 |
| .....uggcucaguucagcaggaC.....                                                                                     | 3   | 1 | s02 |
| .....uUgcucaguucagcagga.....                                                                                      | 1   | 1 | s02 |
| .....uggcucag6ucagcagga.....                                                                                      | 1   | 1 | s02 |

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## Mature

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|                                 |      |   |     |
|---------------------------------|------|---|-----|
| .....uggUucaguucagcaggaa.....   | 1    | 1 | s02 |
| .....uggcucaguucagUaggaa.....   | 1    | 1 | s02 |
| .....uggcucaguucCgcaggaa.....   | 1    | 1 | s02 |
| .....uggcucaguucagcaggGa.....   | 3    | 1 | s02 |
| .....uggcucaguucagcaggA.....    | 6    | 1 | s02 |
| .....uggcucaguucagcaggGac.....  | 66   | 1 | s02 |
| .....uAgcucaguucagcaggaaC.....  | 2    | 1 | s02 |
| .....uggcucaguucagcUggaaC.....  | 2    | 1 | s02 |
| .....uggcucGguucagcaggaaC.....  | 3    | 1 | s02 |
| .....uggcucaAuucagcaggaaC.....  | 6    | 1 | s02 |
| .....uggcucaguucagcaggaaCc..... | 25   | 1 | s02 |
| .....uggcucaguucaUcaggaaC.....  | 2    | 1 | s02 |
| .....uggcuGaguucagcaggaaC.....  | 6    | 1 | s02 |
| .....uggcucaguucagAaggaaC.....  | 7    | 1 | s02 |
| .....uggcucaguucGgcaggaaC.....  | 4    | 1 | s02 |
| .....uggcucaguucagcaggaaC.....  | 8524 | 0 | s02 |
| .....uggcucaguucagGaggaaC.....  | 2    | 1 | s02 |
| .....uggcucagGucagcaggaaC.....  | 10   | 1 | s02 |
| .....uggNucaguucagcaggaaC.....  | 26   | 1 | s02 |
| .....uggcGcaguucagcaggaaC.....  | 6    | 1 | s02 |
| .....uggcucCguucagcaggaaC.....  | 3    | 1 | s02 |
| .....uggcucaUuucagcaggaaC.....  | 4    | 1 | s02 |
| .....uggcucaguucagcaggaaGc..... | 7    | 1 | s02 |
| .....uggcucUguucagcaggaaC.....  | 8    | 1 | s02 |
| .....uggcucaguucagcGggaaC.....  | 6    | 1 | s02 |
| .....uggcucaguucagcaggCac.....  | 64   | 1 | s02 |
| .....uggcucagAucagcaggaaC.....  | 1    | 1 | s02 |
| .....uggcucaguucaCcaggaaC.....  | 1    | 1 | s02 |
| .....uggcucaguucagcaUgaac.....  | 4    | 1 | s02 |
| .....uggUucaguucagcaggaaC.....  | 2    | 1 | s02 |
| .....uggcucaguucUgcaggaaC.....  | 1    | 1 | s02 |
| .....uggcucaguucagcaggaaUc..... | 9    | 1 | s02 |
| .....uggAucaguucagcaggaaC.....  | 7    | 1 | s02 |
| .....uggcCcaguucagcaggaaC.....  | 4    | 1 | s02 |
| .....GggcucaguucagcaggaaC.....  | 1    | 1 | s02 |
| .....uggcucaguucCgcaggaaC.....  | 11   | 1 | s02 |
| .....ugUcucaguucagcaggaaC.....  | 1    | 1 | s02 |
| .....uggcucaguucagcagCaac.....  | 1    | 1 | s02 |
| .....uggcucaguucagcaAgaac.....  | 2    | 1 | s02 |
| .....uggcucaguucaAcaggaaC.....  | 1    | 1 | s02 |
| .....uggcucaguucagcaggaaA.....  | 56   | 1 | s02 |
| .....uggcucaguucagcaggUac.....  | 6    | 1 | s02 |
| .....uggcucaguAcagcaggaaC.....  | 3    | 1 | s02 |
| .....uggcucaguGcagcaggaaC.....  | 14   | 1 | s02 |
| .....uggcucaguAagcaggaaC.....   | 13   | 1 | s02 |
| .....uggcucaguucagcagUaac.....  | 6    | 1 | s02 |
| .....uggcucaguGagcaggaaC.....   | 3    | 1 | s02 |
| .....uggcucaguucagUaggaaC.....  | 9    | 1 | s02 |
| .....uggcucaguucagcaggaaG.....  | 16   | 1 | s02 |
| .....CggcucaguucagcaggaaC.....  | 2    | 1 | s02 |
| .....AggcucaguucagcaggaaC.....  | 5    | 1 | s02 |
| .....uggcucaguucagcCggaaC.....  | 23   | 1 | s02 |
| .....ugAcucaguucagcaggaaC.....  | 7    | 1 | s02 |
| .....uggcucaguucagcaggaaU.....  | 48   | 1 | s02 |
| .....ugCcucaguucagcaggaaC.....  | 4    | 1 | s02 |
| .....uggcuAaguucagcaggaaC.....  | 4    | 1 | s02 |
| .....uggcAcaguucagcaggaaC.....  | 1    | 1 | s02 |
| .....uggcucaguCcagcaggaaC.....  | 3    | 1 | s02 |
| .....uUgcucaguucagcaggaaC.....  | 6    | 1 | s02 |
| .....uggcucaguUagcaggaaC.....   | 6    | 1 | s02 |
| .....uggcuUaguucagcaggaaC.....  | 2    | 1 | s02 |
| .....uggGucaguucagcaggaaC.....  | 6    | 1 | s02 |
| .....uggcucagCucagcaggaaC.....  | 9    | 1 | s02 |
| .....uUgcucaguucagcaggaaCa..... | 3    | 1 | s02 |
| .....ugCcucaguucagcaggaaCa..... | 1    | 1 | s02 |
| .....uggcucagGucagcaggaaCa..... | 5    | 1 | s02 |
| .....uggcuGaguucagcaggaaCa..... | 5    | 1 | s02 |
| .....uggcucaguucagcCggaaCa..... | 8    | 1 | s02 |
| .....uggcucaguucaUcaggaaCa..... | 1    | 1 | s02 |
| .....ugAcucaguucagcaggaaCa..... | 3    | 1 | s02 |

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## Mature

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|                                  |       |   |     |
|----------------------------------|-------|---|-----|
| .....uggcucaguucagcaggaG.....    | 3     | 1 | s02 |
| .....uggcucaguucagAaggaaca.....  | 3     | 1 | s02 |
| .....uggcCcaguucagcaggaaca.....  | 1     | 1 | s02 |
| .....uggcucaguucagcaCgaaca.....  | 3     | 1 | s02 |
| .....uggcucaguucagcaggaacG.....  | 4     | 1 | s02 |
| .....uggcucalUuucagcaggaaca..... | 1     | 1 | s02 |
| .....uggcucaguucagUaggaaca.....  | 3     | 1 | s02 |
| .....uggcucaguucagcaggUaca.....  | 4     | 1 | s02 |
| .....uggcucaguUAgcaggaaca.....   | 1     | 1 | s02 |
| .....uggcucaguucagcaUgaaca.....  | 1     | 1 | s02 |
| .....uggcucagCucagcaggaaca.....  | 2     | 1 | s02 |
| .....uggcucaguucagcaAgaaca.....  | 1     | 1 | s02 |
| .....uggcucCguucagcaggaaca.....  | 2     | 1 | s02 |
| .....uggUucaguucagcaggaaca.....  | 2     | 1 | s02 |
| .....uggcucaguucagcaggaUaca..... | 4     | 1 | s02 |
| .....uAgcucaguucagcaggaaca.....  | 2     | 1 | s02 |
| .....uggGucaguucagcaggaaca.....  | 1     | 1 | s02 |
| .....uggcucaguGcagcaggaaca.....  | 2     | 1 | s02 |
| .....uggcuAaguucagcaggaaca.....  | 1     | 1 | s02 |
| .....uggcucaguucagcUggaaca.....  | 1     | 1 | s02 |
| .....Gggcucaguucagcaggaaca.....  | 5     | 1 | s02 |
| .....uggcucaguGagcaggaaca.....   | 6     | 1 | s02 |
| .....uggcucaguAcagcaggaaca.....  | 1     | 1 | s02 |
| .....uggcucaguucagcagUaaca.....  | 1     | 1 | s02 |
| .....uggcucaguucagcaggaGca.....  | 2     | 1 | s02 |
| .....uggcucaguucagcaggaacU.....  | 73    | 1 | s02 |
| .....uggcucaguucagcaggaCca.....  | 10    | 1 | s02 |
| .....uggcucaguucagcaggaAa.....   | 3     | 1 | s02 |
| .....uggcucaguucaAcaggaaca.....  | 1     | 1 | s02 |
| .....uggAucaguucagcaggaaca.....  | 3     | 1 | s02 |
| .....uggcuUaguucagcaggaaca.....  | 1     | 1 | s02 |
| .....uggcucaAuucagcaggaaca.....  | 3     | 1 | s02 |
| .....uggcucaguucagcaggaaca.....  | 3576  | 0 | s02 |
| .....uggcucaguucagcaggGaca.....  | 22    | 1 | s02 |
| .....uggcucUguucagcaggaaca.....  | 1     | 1 | s02 |
| .....uggcucaguUagcaggaaca.....   | 1     | 1 | s02 |
| .....uggcucaguucCgcaggaaca.....  | 10    | 1 | s02 |
| .....uggNucaguucagcaggaaca.....  | 6     | 1 | s02 |
| .....uggcucaguucagcaggaUa.....   | 3     | 1 | s02 |
| .....uggcucaguucagcaggCaca.....  | 17    | 1 | s02 |
| .....Aggcucaguucagcaggaaca.....  | 3     | 1 | s02 |
| .....uggcucaguucagcagAaaca.....  | 1     | 1 | s02 |
| .....uggcAcaguucagcaggaacag..... | 5     | 1 | s02 |
| .....ugUucaguucagcaggaacag.....  | 4     | 1 | s02 |
| .....uggcucaguucagcaAgaacag..... | 3     | 1 | s02 |
| .....uggcucaguucagcaggaUag.....  | 4     | 1 | s02 |
| .....uggcucaguucagcaggCacag..... | 206   | 1 | s02 |
| .....uggcucaguucagcCggaacag..... | 62    | 1 | s02 |
| .....uNgcucaguucagcaggaacag..... | 3     | 1 | s02 |
| .....uggcucaguucGgcaggaacag..... | 6     | 1 | s02 |
| .....uggcuUaguucagcaggaacag..... | 15    | 1 | s02 |
| .....uggcucaguucagcUggaacag..... | 1     | 1 | s02 |
| .....uggcucaguucagGaggaacag..... | 4     | 1 | s02 |
| .....uggcucagCucagcaggaacag..... | 15    | 1 | s02 |
| .....uggcucaguucagcagUaacag..... | 18    | 1 | s02 |
| .....uggcucaguucagcaggaacaU..... | 65    | 1 | s02 |
| .....uggcucaguucagcagAaacag..... | 16    | 1 | s02 |
| .....uggcuAaguucagcaggaacag..... | 15    | 1 | s02 |
| .....uggcucaguUagcaggaacag.....  | 10    | 1 | s02 |
| .....uggcucaguucagcaggaacUg..... | 2     | 1 | s02 |
| .....uggAucaguucagcaggaacag..... | 19    | 1 | s02 |
| .....uggcucaguucagcaggaGag.....  | 47    | 1 | s02 |
| .....uggcucaguAcagcaggaacag..... | 4     | 1 | s02 |
| .....uggcucaguucagcaggaacag..... | 26267 | 0 | s02 |
| .....uggcucaguucaUcaggaacag..... | 5     | 1 | s02 |
| .....uggcucaguucagcaggNacag..... | 1     | 1 | s02 |
| .....uggcucaguucaAcaggaacag..... | 8     | 1 | s02 |
| .....Aggcucaguucagcaggaacag..... | 16    | 1 | s02 |
| .....uggcucaguGcagcaggaacag..... | 49    | 1 | s02 |
| .....uggcucaguucagcaggaCcag..... | 129   | 1 | s02 |

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|                                    |       |   |     |
|------------------------------------|-------|---|-----|
| .....uggcucagGucagcaggaacag.....   | 34    | 1 | s02 |
| .....uGgcucaguucacagcaggaacag..... | 7     | 1 | s02 |
| .....uggcucaguucacagcaggaGcag..... | 25    | 1 | s02 |
| .....ugCcucaguucacagcaggaacag..... | 12    | 1 | s02 |
| .....uggcucaguucacgaCgaacag.....   | 3     | 1 | s02 |
| .....uUgcucaguucacagcaggaacag..... | 29    | 1 | s02 |
| .....uggcucaguucacaggaacaC.....    | 111   | 1 | s02 |
| .....uggcucagAucagcaggaacag.....   | 3     | 1 | s02 |
| .....uggcucaguuAagcaggaacag.....   | 41    | 1 | s02 |
| .....uggcucaguucacaggaacGg.....    | 35    | 1 | s02 |
| .....Cggcucaguucacaggaacag.....    | 7     | 1 | s02 |
| .....uggUucaguucacagcaggaacag..... | 12    | 1 | s02 |
| .....uggcGcaguucacaggaacag.....    | 13    | 1 | s02 |
| .....uggcucaguucaCcaggaacag.....   | 5     | 1 | s02 |
| .....uggcCcaguucacaggaacag.....    | 9     | 1 | s02 |
| .....uggcucaguuGagcaggaacag.....   | 16    | 1 | s02 |
| .....ugAcucaguucacaggaacag.....    | 30    | 1 | s02 |
| .....uggcucaAuucacaggaacag.....    | 14    | 1 | s02 |
| .....uggcuGaguucacaggaacag.....    | 17    | 1 | s02 |
| .....uggcucaguucCgcaggaacag.....   | 40    | 1 | s02 |
| .....uggcucaguucUgcaggaacag.....   | 2     | 1 | s02 |
| .....uggcucaguucacagggUacag.....   | 13    | 1 | s02 |
| .....uggcucUguucacaggaacag.....    | 11    | 1 | s02 |
| .....uAgcucaguucacaggaacag.....    | 17    | 1 | s02 |
| .....uggcucaguucacagggGacag.....   | 152   | 1 | s02 |
| .....uggcucGguucacaggaacag.....    | 14    | 1 | s02 |
| .....uggcucaguucacaggaacaA.....    | 123   | 1 | s02 |
| .....uggcucCguucacaggaacag.....    | 13    | 1 | s02 |
| .....uggcucaguucacagNaacag.....    | 1     | 1 | s02 |
| .....uggcucaUuucacaggaacag.....    | 12    | 1 | s02 |
| .....Gggcucaguucacaggaacag.....    | 21    | 1 | s02 |
| .....uggcucaguCcagcaggaacag.....   | 4     | 1 | s02 |
| .....uggcucaguucacgaUgaacag.....   | 11    | 1 | s02 |
| .....uggNucaguucacaggaacag.....    | 71    | 1 | s02 |
| .....uggcucaguucacgGggaacag.....   | 9     | 1 | s02 |
| .....ugNcucaguucacaggaacag.....    | 1     | 1 | s02 |
| .....uggcucaguucacaggaAag.....     | 36    | 1 | s02 |
| .....uggGucaguucacaggaacag.....    | 8     | 1 | s02 |
| .....uggcucaguucacaggaUcag.....    | 40    | 1 | s02 |
| .....uggcucaguucagAaggaacag.....   | 17    | 1 | s02 |
| .....uggcucaguucagUaggaacag.....   | 14    | 1 | s02 |
| .....uggcucaguucacagCaacag.....    | 3     | 1 | s02 |
| .....uggcucaguucacaggaacaUg.....   | 1     | 1 | s02 |
| .....uggcucaguucacagggUacagg.....  | 1     | 1 | s02 |
| .....uggcucaguucacaggaGcagg.....   | 4     | 1 | s02 |
| .....uggcucaguucagGaggaacagg.....  | 1     | 1 | s02 |
| .....uggcucGguucacaggaacagg.....   | 1     | 1 | s02 |
| .....uggcucaguGcagcaggaacagg.....  | 1     | 1 | s02 |
| .....uggcucagGucagcaggaacagg.....  | 6     | 1 | s02 |
| .....ugUcucaguucacaggaacagg.....   | 2     | 1 | s02 |
| .....uggcucaguuGagcaggaacagg.....  | 3     | 1 | s02 |
| .....uggcucaguucacaggaacagC.....   | 107   | 1 | s02 |
| .....uggcucaguucacagggCacagg.....  | 3     | 1 | s02 |
| .....uggcucaguucacaggaacaAg.....   | 3     | 1 | s02 |
| .....uggcucaguucacaggaAagg.....    | 2     | 1 | s02 |
| .....uggcuUaguucacaggaacagg.....   | 1     | 1 | s02 |
| .....uggcucaguucacgCggaacagg.....  | 1     | 1 | s02 |
| .....uggcucaguuAagcaggaacagg.....  | 3     | 1 | s02 |
| .....uggAucaguucacaggaacagg.....   | 2     | 1 | s02 |
| .....uggNucaguucacaggaacagg.....   | 1     | 1 | s02 |
| .....uggcucaguucacaggaacagg.....   | 136   | 0 | s02 |
| .....uggcucaguucacaggaCcagg.....   | 4     | 1 | s02 |
| .....Gggcucaguucacaggaacagg.....   | 2     | 1 | s02 |
| .....uggcucaguucacaggaacagU.....   | 35292 | 1 | s02 |
| .....uggcucaguucagUaggaacagg.....  | 1     | 1 | s02 |
| .....uggcucaguucacaggaUcagg.....   | 1     | 1 | s02 |
| .....uggcucaguucacaggaAagg.....    | 2     | 1 | s02 |
| .....uggcucaguucacaggaacagA.....   | 2461  | 1 | s02 |
| .....uggcucaguucacaggaacGgg.....   | 2     | 1 | s02 |
| .....Aggcucaguucacaggaacagg.....   | 1     | 1 | s02 |

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## Mature

|                                                                                                            |     |   |     |
|------------------------------------------------------------------------------------------------------------|-----|---|-----|
| aaauacucuaugguugggugccuccugugccuacugaacugguaucaguugaacucugaguacuggcucaguucagcaggaacaggaguggagcccacugugugcc |     |   |     |
| .uggcucaguUagcaggaacagg .                                                                                  | 1   | 1 | s02 |
| .uggcucaguucagcaggGacagg .                                                                                 | 5   | 1 | s02 |
| .uggcucaguucagcUggaacagg .                                                                                 | 1   | 1 | s02 |
| .uggcucagAucagcaggaacagg .                                                                                 | 2   | 1 | s02 |
| .uggcucaguucagcaggaacagUa .                                                                                | 161 | 1 | s02 |
| .uggcucaguucagcaggaacaggU .                                                                                | 4   | 1 | s02 |
| .uggcucaguucagcaggaacagCa .                                                                                | 1   | 1 | s02 |
| .uggcucaguucagcaggaacagAa .                                                                                | 11  | 1 | s02 |
| .uggcucaguucagcaggaacaggga .                                                                               | 1   | 0 | s02 |
| .uggcucaguucagcaggaacaggau .                                                                               | 1   | 1 | s02 |
| .uggcucaguucagcaggaacagUag .                                                                               | 8   | 1 | s02 |
| .ggcucaguucagcaggaac .                                                                                     | 9   | 0 | s02 |
| .ggcucaguucagcaggaaca .                                                                                    | 3   | 0 | s02 |
| .ggcNcaguucagcaggaacag .                                                                                   | 1   | 1 | s02 |
| .ggcucaguucagcaggaacaU .                                                                                   | 2   | 1 | s02 |
| .ggAucaguucagcaggaacag .                                                                                   | 1   | 1 | s02 |
| .ggcucaguucagcaggaacag .                                                                                   | 50  | 0 | s02 |
| .ggcucaguucagGaggaacag .                                                                                   | 1   | 1 | s02 |
| .ggcucaguucagcaggaacagU .                                                                                  | 397 | 1 | s02 |
| .ggcucaguucagcaggaacagC .                                                                                  | 2   | 1 | s02 |
| .ggcucaguucagcaggaGcagg .                                                                                  | 1   | 1 | s02 |
| .ggcucaguucagcaggaacagg .                                                                                  | 7   | 0 | s02 |
| .ggcucaguucagcaggaacagA .                                                                                  | 28  | 1 | s02 |
| .ggcucaguucagcaggaacagUa .                                                                                 | 1   | 1 | s02 |
| .gcucaguucagcaggaac .                                                                                      | 1   | 0 | s02 |
| .Ccucaguucagcaggaacag .                                                                                    | 1   | 1 | s02 |
| .gcucaguucagcaggaacag .                                                                                    | 9   | 0 | s02 |
| .gcCcaguucagcaggaacag .                                                                                    | 2   | 1 | s02 |
| .gcucaguucagcaggaacagg .                                                                                   | 1   | 0 | s02 |
| .gcucaguucagcaggaacagU .                                                                                   | 114 | 1 | s02 |
| .gcucaguucagcaggaacagA .                                                                                   | 36  | 1 | s02 |
| .gcucaguucagcaggaacagUa .                                                                                  | 8   | 1 | s02 |
| .gcucaguucagcaggaacaggU .                                                                                  | 2   | 1 | s02 |
| .gcucaguucagcaggaacaggga .                                                                                 | 1   | 0 | s02 |
| .gcucaguucagcaggaacagAa .                                                                                  | 3   | 1 | s02 |
| .cucaguucagcaggaacagU .                                                                                    | 1   | 1 | s02 |
| .ucaguucagcaggaacagA .                                                                                     | 2   | 1 | s02 |
| .ucaguucagcaggaacagU .                                                                                     | 1   | 1 | s02 |
| .caguucagcaggaacagU .                                                                                      | 3   | 1 | s02 |
| .gaguggagcccacugugugcc                                                                                     | 1   | 0 | s02 |
| .ugugccuacugaacugguaucagu .                                                                                | 4   | 0 | s01 |
| .gugccuacugaacugguau .                                                                                     | 1   | 0 | s01 |
| .gugccuacugaacugguauc .                                                                                    | 11  | 0 | s01 |
| .gugccuacugaacugguauca .                                                                                   | 3   | 0 | s01 |
| .gugccuaAugaacugguaucag .                                                                                  | 1   | 1 | s01 |
| .gugccuacugaacugguaucag .                                                                                  | 71  | 0 | s01 |
| .gugccuacugaacugguaucagA .                                                                                 | 5   | 1 | s01 |
| .gugccuacugaacugguaucGgu .                                                                                 | 1   | 1 | s01 |
| .gCgccuacugaacugguaucagu .                                                                                 | 1   | 1 | s01 |
| .gGgccuacugaacugguaucagu .                                                                                 | 2   | 1 | s01 |
| .gugccuacugaacuggGaucagu .                                                                                 | 4   | 1 | s01 |
| .gugccuacugaacuggCaucagu .                                                                                 | 3   | 1 | s01 |
| .Uugccuacugaacugguaucagu .                                                                                 | 2   | 1 | s01 |
| .gugccAacugaacugguaucagu .                                                                                 | 1   | 1 | s01 |
| .gugccuacugaacugguaucagu .                                                                                 | 455 | 0 | s01 |
| .Augccuacugaacugguaucagu .                                                                                 | 1   | 1 | s01 |
| .gugccuacugaacugguCucagu .                                                                                 | 1   | 1 | s01 |
| .gugccuacugaacugguaucaAu .                                                                                 | 1   | 1 | s01 |
| .gugccuacugaacugguGucagu .                                                                                 | 1   | 1 | s01 |
| .gugccuacugCacugguaucagu .                                                                                 | 1   | 1 | s01 |
| .gugccuGcugaacugguaucagu .                                                                                 | 5   | 1 | s01 |
| .Cugccuacugaacugguaucagu .                                                                                 | 2   | 1 | s01 |
| .gugccuacugaacuggAaucagu .                                                                                 | 3   | 1 | s01 |
| .gugccuacugaacugguaucaguu .                                                                                | 4   | 0 | s01 |
| .gugccuGcugaacugguaucaguu .                                                                                | 2   | 1 | s01 |
| .gugccuacugaacugguaucaguuu .                                                                               | 1   | 0 | s01 |
| .ugccuacugaacugguauc .                                                                                     | 1   | 0 | s01 |
| .ugccuacugaacugguauca .                                                                                    | 1   | 0 | s01 |
| .ugccuacugaacugguaucag .                                                                                   | 68  | 0 | s01 |

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|                                  |                        |                       |                         |                      |     |   |     |
|----------------------------------|------------------------|-----------------------|-------------------------|----------------------|-----|---|-----|
| aaauacucuaugguuggggcugugcccuccug | ugccuacugaacugguauca   | guagaacucugaguac      | uggcucaguucagcaggaacagg | aguggagcccacugugugcc |     |   |     |
| .....                            | ugccu6cugaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | Agccuacugaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacugguaucaA  |                       |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacugg6auca   | g                     |                         |                      | 5   | 1 | s01 |
| .....                            | ugccuacugaacugguauAagu |                       |                         |                      | 1   | 1 | s01 |
| .....                            | ugccCacugaacugguauca   | g                     |                         |                      | 2   | 1 | s01 |
| .....                            | uCCcuacugaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacuggCauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccu6cugaacugguauca   | g                     |                         |                      | 2   | 1 | s01 |
| .....                            | uAccuacugaacugguauca   | g                     |                         |                      | 2   | 1 | s01 |
| .....                            | ugAcuacugaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacuCaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacugguaCc    | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacAgaacugguauca   | g                     |                         |                      | 3   | 1 | s01 |
| .....                            | ugcNuacugaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacugguauUagu |                       |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacugguauCgu  |                       |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaaAugguauca   | g                     |                         |                      | 2   | 1 | s01 |
| .....                            | Agccuacugaacugguauca   | g                     |                         |                      | 3   | 1 | s01 |
| .....                            | ugccuacugaac6ggauca    | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugcAuacugaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | Ggccuacugaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacugguauca   | gC                    |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacuggAauca   | g                     |                         |                      | 2   | 1 | s01 |
| .....                            | ugccuacugaacugguauca   | g                     |                         |                      | 879 | 0 | s01 |
| .....                            | ugccuacugaacugguauca   | g6                    |                         |                      | 4   | 1 | s01 |
| .....                            | ugccuacuUaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacugguauca   | gAu                   |                         |                      | 1   | 1 | s01 |
| .....                            | ug6cuacugaacugguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacuUguauca   | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | ugccuacugaacugguauca   | gCu                   |                         |                      | 2   | 1 | s01 |
| .....                            | ugccuacugaacugguauca   | guu                   |                         |                      | 6   | 0 | s01 |
| .....                            | ugccuacugaacugguauca   | guuu                  |                         |                      | 2   | 0 | s01 |
| .....                            | gccuacugaacugguauca    | g                     |                         |                      | 1   | 0 | s01 |
| .....                            | guuugaacucugaguac      | g                     |                         |                      | 17  | 0 | s01 |
| .....                            | guuugUacucugaguac      | g                     |                         |                      | 1   | 1 | s01 |
| .....                            | guuugGacucugaguac      | g                     |                         |                      | 2   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcagg    |                         |                      | 1   | 0 | s01 |
| .....                            | .....                  | cuggcucag6ucagcaggaa  |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaa  |                         |                      | 2   | 0 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaa  |                         |                      | 92  | 0 | s01 |
| .....                            | .....                  | cuggcucaguUAgcaggaa   |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaaA |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucag6ucagcaggaa  |                         |                      | 2   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggCac |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcagg6c  |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | Auggcucaguucagcaggaa  |                         |                      | 2   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggUac |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaaU |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaa  |                         |                      | 13  | 0 | s01 |
| .....                            | .....                  | Auggcucaguucagcaggaa  |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaa  |                         |                      | 51  | 0 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggUac |                         |                      | 2   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaaU |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucag6ucagcaggaa  |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaa  |                         |                      | 7   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaa  |                         |                      | 2   | 1 | s01 |
| .....                            | .....                  | cuggcucaguucagcaggaa  |                         |                      | 79  | 1 | s01 |
| .....                            | .....                  | uggcucaguucagcCgga    |                         |                      | 3   | 1 | s01 |
| .....                            | .....                  | uggAucaguucagcagg     |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | uggcucaguucagcaggC    |                         |                      | 3   | 1 | s01 |
| .....                            | .....                  | uggcucagCucagcagg     |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | uggcucaguucagcaggU    |                         |                      | 2   | 1 | s01 |
| .....                            | .....                  | uggcucaguucagcagg     |                         |                      | 322 | 0 | s01 |
| .....                            | .....                  | uUgcucaguucagcagg     |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | uggcucaguGcagcaggaa   |                         |                      | 2   | 1 | s01 |
| .....                            | .....                  | uggcucaguAcagcaggaa   |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | uggcucaguucGcagcaggaa |                         |                      | 2   | 1 | s01 |
| .....                            | .....                  | uggAucaguucagcaggaa   |                         |                      | 1   | 1 | s01 |
| .....                            | .....                  | uggcucaguucagcagg6a   |                         |                      | 2   | 1 | s01 |

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|                                 |      |   |     |
|---------------------------------|------|---|-----|
| .....uggcucaguucagcaggaC.....   | 4    | 1 | s01 |
| .....uggcucaguucagAaggaa.....   | 1    | 1 | s01 |
| .....uggcucaguucagcaggCa.....   | 1    | 1 | s01 |
| .....uggcucaguucagcaggaG.....   | 7    | 1 | s01 |
| .....uggGucaguucagcagga.....    | 2    | 1 | s01 |
| .....Aggcucaguucagcagga.....    | 1    | 1 | s01 |
| .....uggcuUaguucagcagga.....    | 1    | 1 | s01 |
| .....uggcGcaguucagcagga.....    | 1    | 1 | s01 |
| .....uggcucaguucagcaggaU.....   | 3    | 1 | s01 |
| .....uAgcucaguucagcagga.....    | 1    | 1 | s01 |
| .....uggcucaguucagcagga.....    | 442  | 0 | s01 |
| .....uggcucaguucagGaggaaC.....  | 2    | 1 | s01 |
| .....uggUucaguucagcaggaac.....  | 5    | 1 | s01 |
| .....uggcucaguucUgcaggaac.....  | 1    | 1 | s01 |
| .....uggcucaguucagcaggaGc.....  | 6    | 1 | s01 |
| .....uggcucaguAcagcaggaac.....  | 1    | 1 | s01 |
| .....Gggcucaguucagcaggaac.....  | 7    | 1 | s01 |
| .....uGgcucaguucagcaggaac.....  | 2    | 1 | s01 |
| .....uggcucaAuucagcaggaac.....  | 4    | 1 | s01 |
| .....uggcucaguucagcagCaac.....  | 2    | 1 | s01 |
| .....uggcucaguucaAcaggaac.....  | 1    | 1 | s01 |
| .....uggcucaguucCgcaggaac.....  | 11   | 1 | s01 |
| .....uggAucaguucagcaggaac.....  | 2    | 1 | s01 |
| .....uggcucUguucagcaggaac.....  | 3    | 1 | s01 |
| .....uggcucagAucagcaggaac.....  | 3    | 1 | s01 |
| .....uggcuGaguucagcaggaac.....  | 6    | 1 | s01 |
| .....uggcAcaguucagcaggaac.....  | 2    | 1 | s01 |
| .....uggcucaguGcagcaggaac.....  | 14   | 1 | s01 |
| .....uggcucaguucagcaggaac.....  | 6934 | 0 | s01 |
| .....uggcucaguucagcaggaCc.....  | 17   | 1 | s01 |
| .....uggcucaguucagcaggaG.....   | 13   | 1 | s01 |
| .....uggcucaguucagcCggaac.....  | 12   | 1 | s01 |
| .....uggcuAaguucagcaggaac.....  | 6    | 1 | s01 |
| .....uggcucagCucagcaggaac.....  | 4    | 1 | s01 |
| .....uggcuUaguucagcaggaac.....  | 5    | 1 | s01 |
| .....uggcucaguucagcaggaUc.....  | 5    | 1 | s01 |
| .....uggcucGguucagcaggaac.....  | 6    | 1 | s01 |
| .....ugCcucaguucagcaggaac.....  | 6    | 1 | s01 |
| .....uggcucaCuucagcaggaac.....  | 1    | 1 | s01 |
| .....uggcucaguucaUcaggaac.....  | 1    | 1 | s01 |
| .....uggcucaguucaCcaggaac.....  | 1    | 1 | s01 |
| .....uggcucaguucagAaggaac.....  | 2    | 1 | s01 |
| .....uggcucaguucagcaggGac.....  | 58   | 1 | s01 |
| .....uggcucagGucagcaggaac.....  | 11   | 1 | s01 |
| .....Aggcucaguucagcaggaac.....  | 9    | 1 | s01 |
| .....uggcucCguucagcaggaac.....  | 5    | 1 | s01 |
| .....uAgcucaguucagcaggaac.....  | 7    | 1 | s01 |
| .....ugAcucaguucagcaggaac.....  | 3    | 1 | s01 |
| .....uggcucaguucagcaUgaac.....  | 3    | 1 | s01 |
| .....uggcucaguucagcaAgaac.....  | 1    | 1 | s01 |
| .....uggcucaguucGagcaggaac..... | 5    | 1 | s01 |
| .....uggcucaguucagcaggUac.....  | 1    | 1 | s01 |
| .....uggGucaguucagcaggaac.....  | 2    | 1 | s01 |
| .....uggcucaguucagUaggaac.....  | 2    | 1 | s01 |
| .....uggcucaguucagcaggaA.....   | 53   | 1 | s01 |
| .....uggcucaguucagcaggCac.....  | 30   | 1 | s01 |
| .....uggcucaUuucagcaggaac.....  | 1    | 1 | s01 |
| .....Nggcucaguucagcaggaac.....  | 2    | 1 | s01 |
| .....uggcucaguucagcGggaac.....  | 9    | 1 | s01 |
| .....uggcucaguUAgcaggaac.....   | 9    | 1 | s01 |
| .....ugUcucaguucagcaggaac.....  | 1    | 1 | s01 |
| .....uggcCcaguucagcaggaac.....  | 2    | 1 | s01 |
| .....Cggcucaguucagcaggaac.....  | 3    | 1 | s01 |
| .....uUgcucaguucagcaggaac.....  | 10   | 1 | s01 |
| .....uggcucaguucagcaggaAU.....  | 37   | 1 | s01 |
| .....uggcucaguucagcagUaac.....  | 6    | 1 | s01 |
| .....uggcucaguucagcaCgaac.....  | 1    | 1 | s01 |
| .....uggcGcaguucagcaggaac.....  | 4    | 1 | s01 |
| .....uggcucaguUagcaggaac.....   | 3    | 1 | s01 |
| .....uggcucaguucGgcaggaac.....  | 3    | 1 | s01 |



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|                                  |      |   |     |
|----------------------------------|------|---|-----|
| .....uggcuUaguucagcaggaaca.....  | 3    | 1 | s01 |
| .....uggcucagGucagcaggaaca.....  | 7    | 1 | s01 |
| .....uggcucaguucagcaggaaca.....  | 2187 | 0 | s01 |
| .....uggcucaguucagcaggaGaa.....  | 2    | 1 | s01 |
| .....uggcucaguucagcaggaUaa.....  | 1    | 1 | s01 |
| .....uggcucaguAcagcaggaaca.....  | 1    | 1 | s01 |
| .....uggcucaguucagcaggCaca.....  | 13   | 1 | s01 |
| .....uUgcucaguucagcaggaaca.....  | 2    | 1 | s01 |
| .....uggAucaguucagcaggaaca.....  | 3    | 1 | s01 |
| .....uggcucaguucagcaggGaca.....  | 11   | 1 | s01 |
| .....uggcucaguucagcaggUaca.....  | 1    | 1 | s01 |
| .....uggcGcaguucagcaggaaca.....  | 1    | 1 | s01 |
| .....uggUucaguucagcaggaaca.....  | 2    | 1 | s01 |
| .....uggcucaguucagcagUaaca.....  | 1    | 1 | s01 |
| .....uggcucaguucagcaggaacU.....  | 61   | 1 | s01 |
| .....uggcucaguuUagcaggaaca.....  | 7    | 1 | s01 |
| .....uggcucaguucagAaggaaca.....  | 1    | 1 | s01 |
| .....uggcucaguucagcaggaGca.....  | 1    | 1 | s01 |
| .....uggcucCguucagcaggaaca.....  | 4    | 1 | s01 |
| .....uggcucaguucGgcaggaaca.....  | 1    | 1 | s01 |
| .....uggcuAaguucagcaggaaca.....  | 2    | 1 | s01 |
| .....uggcucaguucagcaggaAaa.....  | 3    | 1 | s01 |
| .....uggcucaguGcagcaggaaca.....  | 3    | 1 | s01 |
| .....uggcucaguucagcaUgaaca.....  | 4    | 1 | s01 |
| .....uggcucaguucagcaggaCca.....  | 3    | 1 | s01 |
| .....ugAcucaguucagcaggaaca.....  | 2    | 1 | s01 |
| .....uggcucaguucagcagAaaca.....  | 4    | 1 | s01 |
| .....uggcucaguuAagcaggaaca.....  | 3    | 1 | s01 |
| .....uggGucaguucagcaggaaca.....  | 2    | 1 | s01 |
| .....uggcucaguucagcGggaaca.....  | 1    | 1 | s01 |
| .....uggcuGaguucagcaggaaca.....  | 3    | 1 | s01 |
| .....ugUcucaguucagcaggaaca.....  | 1    | 1 | s01 |
| .....uggcucaguucCgcaggaaca.....  | 3    | 1 | s01 |
| .....uggcucaguucagcaggaacG.....  | 3    | 1 | s01 |
| .....Gggcucaguucagcaggaaca.....  | 2    | 1 | s01 |
| .....Aggcucaguucagcaggaaca.....  | 1    | 1 | s01 |
| .....uggcucaguucagcaCgaaca.....  | 2    | 1 | s01 |
| .....uAgcucaguucagcaggaaca.....  | 1    | 1 | s01 |
| .....uggcucUguucagcaggaaca.....  | 2    | 1 | s01 |
| .....uggNucaguucagcaggaaca.....  | 1    | 1 | s01 |
| .....uggcucaguucagcCggaaca.....  | 1    | 1 | s01 |
| .....uUgcucaguucagcaggaacag..... | 27   | 1 | s01 |
| .....uggcucaguucagcaggaGcag..... | 13   | 1 | s01 |
| .....Gggcucaguucagcaggaacag..... | 19   | 1 | s01 |
| .....uggcucaguucagcaUgaacag..... | 11   | 1 | s01 |
| .....uggNucaguucagcaggaacag..... | 5    | 1 | s01 |
| .....uggcucaUuucagcaggaacag..... | 3    | 1 | s01 |
| .....uggcucaguucagcagAaacag..... | 9    | 1 | s01 |
| .....uggcucaguucagcaggaUag.....  | 3    | 1 | s01 |
| .....Aggcucaguucagcaggaacag..... | 18   | 1 | s01 |
| .....uggcuGaguucagcaggaacag..... | 12   | 1 | s01 |
| .....uggAucaguucagcaggaacag..... | 8    | 1 | s01 |
| .....uggcucaguucagcaggaacaU..... | 44   | 1 | s01 |
| .....uggcucaguCcagcaggaacag..... | 3    | 1 | s01 |
| .....ugCcucaguucagcaggaacag..... | 7    | 1 | s01 |
| .....uggGucaguucagcaggaacag..... | 4    | 1 | s01 |
| .....uggcucaguucagcCggaacag..... | 20   | 1 | s01 |
| .....uggcuUaguucagcaggaacag..... | 5    | 1 | s01 |
| .....ugUcucaguucagcaggaacag..... | 6    | 1 | s01 |
| .....uggcucaguuAagcaggaacag..... | 15   | 1 | s01 |
| .....uggcucaAuucagcaggaacag..... | 7    | 1 | s01 |
| .....uAgcucaguucagcaggaacag..... | 20   | 1 | s01 |
| .....uggcucaguucUgcaggaacag..... | 1    | 1 | s01 |
| .....uggcucagCucagcaggaacag..... | 16   | 1 | s01 |
| .....uggcucaguucGgcaggaacag..... | 10   | 1 | s01 |
| .....uggcucaguucagcaggaAag.....  | 12   | 1 | s01 |
| .....uggcucaguucagcaggaacUg..... | 4    | 1 | s01 |
| .....uggcucaguucagcaggaacaC..... | 77   | 1 | s01 |
| .....uggcucaguGcagcaggaacag..... | 22   | 1 | s01 |
| .....uggcucaguuUagcaggaacag..... | 11   | 1 | s01 |

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|                                    |       |   |     |
|------------------------------------|-------|---|-----|
| .....uGgcucaguucacaggaacag.....    | 3     | 1 | s01 |
| .....uggcucaguucaCaggaacag.....    | 1     | 1 | s01 |
| .....uggcucaguucagUaggaacag.....   | 7     | 1 | s01 |
| .....uggcucCguucacaggaacag.....    | 8     | 1 | s01 |
| .....uggcucaguuuGagcaggaacag.....  | 9     | 1 | s01 |
| .....uggcucaguucacagcaggCacag..... | 83    | 1 | s01 |
| .....uggcucaguucacagcUggaacag..... | 1     | 1 | s01 |
| .....uggcucaguucacaggaCcag.....    | 51    | 1 | s01 |
| .....uggcucaguucacagcaggaacaA..... | 78    | 1 | s01 |
| .....ugAcucaguucacaggaacag.....    | 12    | 1 | s01 |
| .....uggcucaguucacagcagUaacag..... | 12    | 1 | s01 |
| .....uggcuAaguucacaggaacag.....    | 9     | 1 | s01 |
| .....uggcucaguucCgaggaacag.....    | 13    | 1 | s01 |
| .....uggcucaguucacagcaAgaacag..... | 3     | 1 | s01 |
| .....uggcGcaguucacaggaacag.....    | 6     | 1 | s01 |
| .....uggcucaguucacagggGacag.....   | 148   | 1 | s01 |
| .....uggcucaguucacagcaCgaacag..... | 2     | 1 | s01 |
| .....uggcucagGucacaggaacag.....    | 32    | 1 | s01 |
| .....uggcCcaguucacaggaacag.....    | 15    | 1 | s01 |
| .....Cggcucaguucacaggaacag.....    | 9     | 1 | s01 |
| .....uggcucUguucacaggaacag.....    | 8     | 1 | s01 |
| .....uggcucaguucacaggaacag.....    | 15389 | 0 | s01 |
| .....uggcucagAucacaggaacag.....    | 8     | 1 | s01 |
| .....uggcucaguucacagcaggUacag..... | 12    | 1 | s01 |
| .....uggcucaguAcacaggaacag.....    | 4     | 1 | s01 |
| .....uggcAcaguucacaggaacag.....    | 5     | 1 | s01 |
| .....uggcucaguucacaggaacGg.....    | 29    | 1 | s01 |
| .....ugNcucaguucacaggaacag.....    | 1     | 1 | s01 |
| .....uNgcucaguucacaggaacag.....    | 2     | 1 | s01 |
| .....uggcucaguucacagGaggaacag..... | 5     | 1 | s01 |
| .....uggcucaguucacagcCaacag.....   | 1     | 1 | s01 |
| .....uggcucGguucacaggaacag.....    | 11    | 1 | s01 |
| .....uggcucaguucacagcGggaacag..... | 12    | 1 | s01 |
| .....uggUucaguucacaggaacag.....    | 9     | 1 | s01 |
| .....uggcucaguucaUcaggaacag.....   | 5     | 1 | s01 |
| .....uggcucaguucacagAaggaacag..... | 13    | 1 | s01 |
| .....uggcucaguucacaggaagGag.....   | 14    | 1 | s01 |
| .....uggcucaguucaAcaggaacag.....   | 6     | 1 | s01 |
| .....uggcucaguucacaggaUcag.....    | 17    | 1 | s01 |
| .....ugAcucaguucacaggaacagg.....   | 1     | 1 | s01 |
| .....uggcucaguucacaggaagGagg.....  | 1     | 1 | s01 |
| .....uggcucaguuuUagcaggaacagg..... | 1     | 1 | s01 |
| .....uggcGcaguucacaggaacagg.....   | 1     | 1 | s01 |
| .....uggcucaguuuAagcaggaacagg..... | 1     | 1 | s01 |
| .....uggcucaguucacaggaagAagg.....  | 2     | 1 | s01 |
| .....uggcucaguucaUcaggaacagg.....  | 1     | 1 | s01 |
| .....uggcucaguucacaggaGcagg.....   | 2     | 1 | s01 |
| .....uggAucaguucacaggaacagg.....   | 1     | 1 | s01 |
| .....uggcucaguucacaggaacagA.....   | 1887  | 1 | s01 |
| .....uggcucagGucacaggaacagg.....   | 2     | 1 | s01 |
| .....uggcucaguucacaggaacaUg.....   | 1     | 1 | s01 |
| .....uggcucaguuuGagcaggaacagg..... | 2     | 1 | s01 |
| .....uggcucaguucacaggaCcagg.....   | 5     | 1 | s01 |
| .....uggcucGguucacaggaacagg.....   | 1     | 1 | s01 |
| .....uggcuAaguucacaggaacagg.....   | 2     | 1 | s01 |
| .....uggcucaguucacaggaacagC.....   | 69    | 1 | s01 |
| .....Gggcucaguucacaggaacagg.....   | 2     | 1 | s01 |
| .....uggcucaguucacaggaUcagg.....   | 1     | 1 | s01 |
| .....uggcucaguucacagggUacagg.....  | 2     | 1 | s01 |
| .....uggcAcaguucacaggaacagg.....   | 1     | 1 | s01 |
| .....uggcucagAucacaggaacagg.....   | 2     | 1 | s01 |
| .....uggcucUguucacaggaacagg.....   | 1     | 1 | s01 |
| .....uggcucaguucacaggaacaAg.....   | 5     | 1 | s01 |
| .....uggcucaguucacagggGacagg.....  | 3     | 1 | s01 |
| .....uggcucaguucacaggaacagg.....   | 125   | 0 | s01 |
| .....uggcucaguucacaggaacagU.....   | 23191 | 1 | s01 |
| .....Aggcucaguucacaggaacagg.....   | 1     | 1 | s01 |
| .....uggcucaguGcagcaggaacagg.....  | 1     | 1 | s01 |
| .....uggcucaguucacagggCacagg.....  | 3     | 1 | s01 |
| .....uggcucCguucacaggaacagg.....   | 2     | 1 | s01 |

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|                                                                                                                |     |   |     |
|----------------------------------------------------------------------------------------------------------------|-----|---|-----|
| aaauacucuaugguuggggcugugcccuccugugccuacugaacugguaucauuugaacucugaguacuggcucaguucacaggaacaggaguggagcccacugugugcc |     |   |     |
| .....uggcucaguucacaggaacagga.....                                                                              | 3   | 0 | s01 |
| .....uggcucaguucacaggaacagAa.....                                                                              | 6   | 1 | s01 |
| .....uggcucaguucacaggaacagUa.....                                                                              | 105 | 1 | s01 |
| .....uggcucaguucacaggaacaggU.....                                                                              | 4   | 1 | s01 |
| .....uggcucaguucacaggaacagCa.....                                                                              | 1   | 1 | s01 |
| .....uggcucaguucacaggaacagUag.....                                                                             | 5   | 1 | s01 |
| .....uggcucaguucacaggaacagAag.....                                                                             | 1   | 1 | s01 |
| .....ggcucaguucacaggaac.....                                                                                   | 1   | 0 | s01 |
| .....Ugcucaguucacaggaac.....                                                                                   | 1   | 1 | s01 |
| .....ggcucagGucacaggaac.....                                                                                   | 1   | 1 | s01 |
| .....ggcucaguucacaggaac.....                                                                                   | 7   | 0 | s01 |
| .....ggcucaguucacaggaGac.....                                                                                  | 1   | 1 | s01 |
| .....ggcucaguucacaggaaca.....                                                                                  | 7   | 0 | s01 |
| .....ggcucaguucacaggaacag.....                                                                                 | 1   | 1 | s01 |
| .....ggcuAucacaggaacag.....                                                                                    | 1   | 1 | s01 |
| .....ggAucaguucacaggaacag.....                                                                                 | 1   | 1 | s01 |
| .....ggcucagGucacaggaacag.....                                                                                 | 1   | 1 | s01 |
| .....ggcucaguucacaggaacA.....                                                                                  | 1   | 1 | s01 |
| .....ggcucaguucacaggaacag.....                                                                                 | 27  | 0 | s01 |
| .....ggcucaguucacaggaGacag.....                                                                                | 1   | 1 | s01 |
| .....ggcuAaguucacaggaacag.....                                                                                 | 1   | 1 | s01 |
| .....ggcucaguucacaggaacagA.....                                                                                | 20  | 1 | s01 |
| .....ggcucaguucacaggaGcagg.....                                                                                | 1   | 1 | s01 |
| .....ggcucaguucacaggaacagg.....                                                                                | 5   | 0 | s01 |
| .....ggcucaguucacaggaacagU.....                                                                                | 216 | 1 | s01 |
| .....ggcucaguucacgGggaacagg.....                                                                               | 1   | 1 | s01 |
| .....ggcucaguucacaggaacaggU.....                                                                               | 1   | 1 | s01 |
| .....ggcucaguucacaggaacagUa.....                                                                               | 1   | 1 | s01 |
| .....ggcucaguucacaggaacagUag.....                                                                              | 1   | 1 | s01 |
| .....gcucaguucacaggaac.....                                                                                    | 1   | 0 | s01 |
| .....gcCcaguucacaggaac.....                                                                                    | 1   | 1 | s01 |
| .....gcucaguucacaggaaca.....                                                                                   | 1   | 0 | s01 |
| .....gcucaguucacaggaacag.....                                                                                  | 8   | 0 | s01 |
| .....gcucaguucacaggaacagU.....                                                                                 | 53  | 1 | s01 |
| .....gcucaguucacaggaacagg.....                                                                                 | 2   | 0 | s01 |
| .....gcucaguucacaggaacagA.....                                                                                 | 17  | 1 | s01 |
| .....gcucaguucacaggaacaggU.....                                                                                | 1   | 1 | s01 |
| .....gcucaguucacaggaacagUa.....                                                                                | 14  | 1 | s01 |
| .....gcucaguucacaggaacagAa.....                                                                                | 3   | 1 | s01 |
| .....gcucaguucacaggaacaggaU.....                                                                               | 2   | 1 | s01 |
| .....cucaguucacaggaaca.....                                                                                    | 1   | 0 | s01 |
| .....cucaguucacaggaacagU.....                                                                                  | 3   | 1 | s01 |
| .....ucaguucacaggaacagU.....                                                                                   | 1   | 1 | s01 |