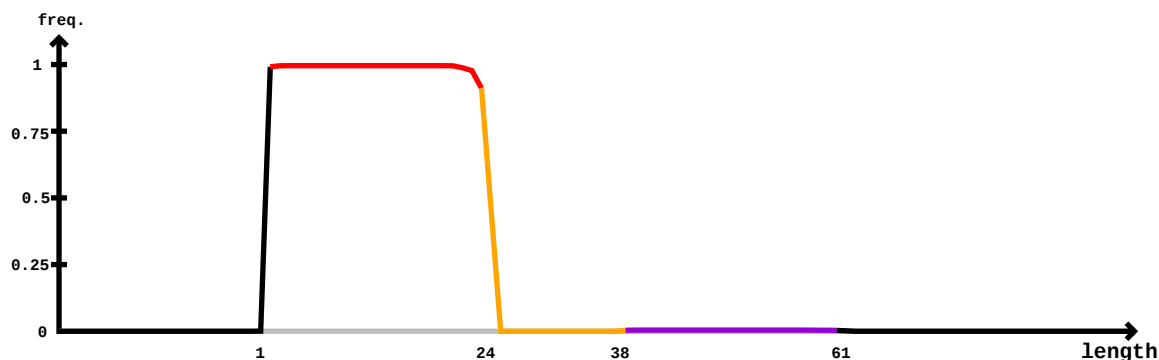




## Star

| 5'                                                                                                           | 3'  | obs | exp | reads | mm | sample |
|--------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|----|--------|
| cagauggguuucagcagauuuaaagugcuuauagugcagguaguuuuuagggauucucugcagugugagcacuugaagucuuucuaugaugcaugcauccaccgggua |     |     |     |       |    |        |
| cagauggguuucagcagauuuaaagugcuuauagugcagguaguuuuuagggauucucugcagugugagcacuugaagucuuucuaugaugcaugcauccaccgggua |     |     |     |       |    |        |
| ..(.((((....((.(((((((.((((((((((((.((((.((((.....))))))))).))))))))).))))).).((((....))))).)).).....        |     |     |     |       |    |        |
| .....aAuaaagugcuuauagugcagguag.....                                                                          | 1   | 1   | s02 |       |    |        |
| .....uuuaaagugcuuauagugcagguag.....                                                                          | 7   | 0   | s02 |       |    |        |
| .....Cuaaagugcuuauagugcagguag.....                                                                           | 13  | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugca.....                                                                                 | 3   | 0   | s02 |       |    |        |
| .....uaGagugcuuauagugca.....                                                                                 | 1   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugcag.....                                                                                | 10  | 0   | s02 |       |    |        |
| .....uaaNugcuuauagugcag.....                                                                                 | 1   | 1   | s02 |       |    |        |
| .....uaaagGgcuuauagugcag.....                                                                                | 1   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugcGgg.....                                                                               | 1   | 1   | s02 |       |    |        |
| .....uaaagugcuuauaguUcagg.....                                                                               | 1   | 1   | s02 |       |    |        |
| .....uNaagugcuuauagugcagg.....                                                                               | 1   | 1   | s02 |       |    |        |
| .....Caaagugcuuauagugcagg.....                                                                               | 2   | 1   | s02 |       |    |        |
| .....uaaagGgcuuauagugcagg.....                                                                               | 9   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagGgcagg.....                                                                               | 6   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugcCgg.....                                                                               | 4   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagAgcagg.....                                                                               | 2   | 1   | s02 |       |    |        |
| .....uaaGgugcuuauagugcagg.....                                                                               | 1   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugcagg.....                                                                               | 255 | 0   | s02 |       |    |        |
| .....uaaagugcuuauaUugcagg.....                                                                               | 3   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagCgcagg.....                                                                               | 2   | 1   | s02 |       |    |        |
| .....uaaagugcuuauGgugcaggu.....                                                                              | 1   | 1   | s02 |       |    |        |
| .....uaaUgugcuuauagugcaggu.....                                                                              | 1   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugcaggC.....                                                                              | 6   | 1   | s02 |       |    |        |
| .....uaaagGgcuuauagugcaggu.....                                                                              | 8   | 1   | s02 |       |    |        |
| .....uaaagugcuuCuagugcaggu.....                                                                              | 2   | 1   | s02 |       |    |        |
| .....uaaagugcuuauaguUcaggu.....                                                                              | 2   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugcaggG.....                                                                              | 5   | 1   | s02 |       |    |        |
| .....Aaaagugcuuauagugcaggu.....                                                                              | 1   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugGaggu.....                                                                              | 1   | 1   | s02 |       |    |        |
| .....uaaagugcuuauaUugcaggu.....                                                                              | 3   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagGgcaggu.....                                                                              | 3   | 1   | s02 |       |    |        |
| .....uaaagugcuuauagugcCggu.....                                                                              | 3   | 1   | s02 |       |    |        |
| .....uaaCugcuuauaagugcaggu.....                                                                              | 1   | 1   | s02 |       |    |        |

## Mature

## Star

cagauggguuucagcaguauuaaagugcuuauagugcagguaguuuuauuggauaucuacugcagugugagcacuugaaguacuucuaugaugcaucaccaccgggua

|                                      |       |   |     |
|--------------------------------------|-------|---|-----|
| ..... uaaagugcuuauagugcaggu.....     | 357   | 0 | s02 |
| ..... uaaNgugcuuauagugcaggu.....     | 2     | 1 | s02 |
| ..... uaaagugcuuauagugcaAgu.....     | 1     | 1 | s02 |
| ..... uaaagugcuuauagugcaggA.....     | 6     | 1 | s02 |
| ..... uaaagugcuuauagAgcaggua.....    | 4     | 1 | s02 |
| ..... uaaagugcuuauagGgcaggua.....    | 36    | 1 | s02 |
| ..... Caaagugcuuauagugcaggua.....    | 7     | 1 | s02 |
| ..... uaaaUugcuuauagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaagugcuuauagugcagUua.....    | 1     | 1 | s02 |
| ..... uaaagugcuuGuaugugcaggua.....   | 3     | 1 | s02 |
| ..... uaaagugcuuauaUugcaggua.....    | 9     | 1 | s02 |
| ..... uaaCgugcuuauagugcaggua.....    | 2     | 1 | s02 |
| ..... uaaagAgcuuauagugcaggua.....    | 2     | 1 | s02 |
| ..... uaaagugcuuUuagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaGgugcuuauagugcaggua.....    | 2     | 1 | s02 |
| ..... uaaagugcuuauagugcaggGa.....    | 20    | 1 | s02 |
| ..... uaaagugcuuauagugcagguC.....    | 2     | 1 | s02 |
| ..... uaaagugcuuauagugcaggua.....    | 2315  | 0 | s02 |
| ..... uaaagugcuuauagugcagguU.....    | 10    | 1 | s02 |
| ..... uaaagugcuuauagugcUggua.....    | 1     | 1 | s02 |
| ..... uaaCagugcuuauagugcaggua.....   | 3     | 1 | s02 |
| ..... uaaagugcuuauagugcCggua.....    | 25    | 1 | s02 |
| ..... uaaagugcuuauagCgcaggua.....    | 6     | 1 | s02 |
| ..... uaaagugcuuauagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaagugcuuauagUaggua.....      | 2     | 1 | s02 |
| ..... uaaagugcuuauaAugcaggua.....    | 2     | 1 | s02 |
| ..... uaaagCgcuuauagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaagugcuuauGgugcaggua.....    | 5     | 1 | s02 |
| ..... uaaagugUuuauagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaaCugcuuauagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaagGgcuuauagugcaggua.....    | 47    | 1 | s02 |
| ..... uaaagugcuuagagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaagugcuuauagugcaggAa.....    | 12    | 1 | s02 |
| ..... uGaaugugcuuauagugcaggua.....   | 1     | 1 | s02 |
| ..... uaaagugcuuauUgugcaggua.....    | 1     | 1 | s02 |
| ..... uaaagugcuCauagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaagugcuuAagugcaggua.....     | 2     | 1 | s02 |
| ..... uaaagugcuuauagugcaggCa.....    | 13    | 1 | s02 |
| ..... uaaagugcuuauagugcaggUG.....    | 2     | 1 | s02 |
| ..... uaaagugcuuauagugcGggua.....    | 4     | 1 | s02 |
| ..... uaaagugcuuauCgugcaggua.....    | 2     | 1 | s02 |
| ..... uaaagugAuauagugcaggua.....     | 3     | 1 | s02 |
| ..... uaaagugcuuauagugAaggua.....    | 3     | 1 | s02 |
| ..... uaaagugcuuauaguUcaggua.....    | 3     | 1 | s02 |
| ..... uaaagugcuuCuagugcaggua.....    | 3     | 1 | s02 |
| ..... uaaUgugcuuauagugcaggua.....    | 1     | 1 | s02 |
| ..... uaaaguUcuuauagugcaggua.....    | 2     | 1 | s02 |
| ..... uaaagugcuuauaguCcaggua.....    | 2     | 1 | s02 |
| ..... uaaNgugcuuauagugcaggua.....    | 6     | 1 | s02 |
| ..... uaaagugcuuauaguAcaggua.....    | 1     | 1 | s02 |
| ..... uaaaguCcuuauagugcagguaag.....  | 7     | 1 | s02 |
| ..... uaaagugcuCauagugcagguaag.....  | 3     | 1 | s02 |
| ..... uaNagugcuuauagugcagguaag.....  | 2     | 1 | s02 |
| ..... uaaagugcuuauagugcagguaU.....   | 63    | 1 | s02 |
| ..... uaaagugcuuauagugcaggAag.....   | 129   | 1 | s02 |
| ..... uaaagugcuuauagCgcagguaag.....  | 105   | 1 | s02 |
| ..... uaaagugcuuauagugcagguaag.....  | 32448 | 0 | s02 |
| ..... uaaagugcuuauaAugcagguaag.....  | 21    | 1 | s02 |
| ..... uaaagugcuuauagugcaAguag.....   | 5     | 1 | s02 |
| ..... uaaagugcuuauagAgcagguaag.....  | 27    | 1 | s02 |
| ..... uaaagugcuuauaCugcagguaag.....  | 6     | 1 | s02 |
| ..... uaaagCgcuuauagugcagguaag.....  | 34    | 1 | s02 |
| ..... uaaCgugcuuauagugcagguaag.....  | 66    | 1 | s02 |
| ..... uaaagGgcuuauagugcagguaag.....  | 667   | 1 | s02 |
| ..... uaaagugcuuauagugcagUuag.....   | 5     | 1 | s02 |
| ..... uaaagugcuUuUagugcagguaag.....  | 5     | 1 | s02 |
| ..... uaaagugcuNuauagugcagguaag..... | 1     | 1 | s02 |
| ..... uaaagugcuuauagGgcagguaag.....  | 328   | 1 | s02 |
| ..... uGaaugugcuuauagugcagguaag..... | 9     | 1 | s02 |
| ..... uaaagugcuuauagugcGgguaag.....  | 48    | 1 | s02 |

## Mature

## Star

cagauggguuucagcaguuuaaagugcuuaagugcagguaguuuuauuggauaucuacugcagugugagcacuugaaguacuucuaugaugcauccaccgggua

|                                      |     |   |     |
|--------------------------------------|-----|---|-----|
| .....uaaagugcuuCuagugcagguag.....    | 49  | 1 | s02 |
| .....uaaagugcGuauagugcagguag.....    | 4   | 1 | s02 |
| .....uaaNgugcuuaauagugcagguag.....   | 71  | 1 | s02 |
| .....uaaagugcuuaauagugcagguGg.....   | 18  | 1 | s02 |
| .....uaaagugUuuauagugcagguag.....    | 10  | 1 | s02 |
| .....Aaaagugcuuaauagugcagguag.....   | 9   | 1 | s02 |
| .....uaaUgugcuuaauagugcagguag.....   | 27  | 1 | s02 |
| .....uaGagugcuuaauagugcagguag.....   | 11  | 1 | s02 |
| .....uaaagugcuuaauagugGagguag.....   | 7   | 1 | s02 |
| .....uCaagugcuuaauagugcagguag.....   | 5   | 1 | s02 |
| .....uaaagugcuuaauaguAcagguag.....   | 10  | 1 | s02 |
| .....uaaaAugcuuaauagugcagguag.....   | 3   | 1 | s02 |
| .....uaaagugcuuaauagucACguag.....    | 2   | 1 | s02 |
| .....uaaagugcuuaauagugcagguac.....   | 1   | 1 | s02 |
| .....uaaagugcuuaauaguUcagguag.....   | 31  | 1 | s02 |
| .....uaaagugcuuaauagugUgguag.....    | 1   | 1 | s02 |
| .....uaaagugcuuaauagugcagCuag.....   | 3   | 1 | s02 |
| .....uaaagugcuuaauagugcagAuag.....   | 5   | 1 | s02 |
| .....uaaagugcCuauagugcagguag.....    | 7   | 1 | s02 |
| .....Gaaagugcuuaauagugcagguag.....   | 10  | 1 | s02 |
| .....uaaaUugcuuaauagugcagguag.....   | 5   | 1 | s02 |
| .....Caaagugcuuaauagugcagguag.....   | 20  | 1 | s02 |
| .....uaaaCugcuuaauagugcagguag.....   | 7   | 1 | s02 |
| .....uaaaguAcuuaauagugcagguag.....   | 8   | 1 | s02 |
| .....uaaagugcuuaauagugcagguCg.....   | 11  | 1 | s02 |
| .....uaaagugcuuaauagugcaUguag.....   | 17  | 1 | s02 |
| .....uaaagugcuuaauagugAagguag.....   | 19  | 1 | s02 |
| .....uaaagugcuuaauagugcaggCag.....   | 199 | 1 | s02 |
| .....uaaagAgcuuaauagugcagguag.....   | 66  | 1 | s02 |
| .....uaaagugcuuaUGugcagguag.....     | 25  | 1 | s02 |
| .....uaaagugcuuaauagugcagguA.....    | 70  | 1 | s02 |
| .....uaaagugcuuaauagugcagguUg.....   | 5   | 1 | s02 |
| .....uUaagugcuuaauagugcagguag.....   | 2   | 1 | s02 |
| .....uaaagugcuGauagugcagguag.....    | 5   | 1 | s02 |
| .....uaaagugcuuaUgugcagguag.....     | 4   | 1 | s02 |
| .....uaaagugcuuaauagugcaggGag.....   | 261 | 1 | s02 |
| .....uaaagugcuuaAagugcagguag.....    | 5   | 1 | s02 |
| .....uaaagugcuuaauagugcCgguag.....   | 405 | 1 | s02 |
| .....uaaagugcuuaauagugUagguag.....   | 6   | 1 | s02 |
| .....uaaGgugcuuaauagugcagguag.....   | 30  | 1 | s02 |
| .....uaaagugcuuaauaguCcagguag.....   | 3   | 1 | s02 |
| .....uaaagugcuuaaUugcagguag.....     | 103 | 1 | s02 |
| .....uaaagugAuuaauagugcagguag.....   | 29  | 1 | s02 |
| .....uNaagugcuuaauagugcagguag.....   | 1   | 1 | s02 |
| .....uaaaguUcuuaauagugcagguag.....   | 33  | 1 | s02 |
| .....uaUagugcuuaauagugcagguag.....   | 4   | 1 | s02 |
| .....uaaagugGuuaauagugcagguag.....   | 4   | 1 | s02 |
| .....uaaagugcuuaUCugcagguag.....     | 24  | 1 | s02 |
| .....uaaagugcuAauagugcagguag.....    | 4   | 1 | s02 |
| .....uaCagugcuuaauagugcagguag.....   | 31  | 1 | s02 |
| .....uaaagugcuUGuagugcagguag.....    | 14  | 1 | s02 |
| .....uaaagugcuuaGagugcagguag.....    | 3   | 1 | s02 |
| .....uaaagugcuuaaUugcagguagu.....    | 2   | 1 | s02 |
| .....uaaagugcuuaauagugcagguagu.....  | 480 | 0 | s02 |
| .....uaaagugcuuaauagugcagguagG.....  | 4   | 1 | s02 |
| .....uaaagugcuuaauaguAcagguagu.....  | 1   | 1 | s02 |
| .....uaaagugcuuaauagugcagguagA.....  | 399 | 1 | s02 |
| .....uaaagugcuuaauagugcGgguagu.....  | 2   | 1 | s02 |
| .....uaaagugcuuaauagugcagguauUu..... | 8   | 1 | s02 |
| .....uaaagugcuuaauagugcaggCagu.....  | 4   | 1 | s02 |
| .....uaaagugcuuCuagugcagguagu.....   | 1   | 1 | s02 |
| .....uaaagugcuuaauagugcaggAagu.....  | 2   | 1 | s02 |
| .....uaaagugcuuaauagugcagguagC.....  | 3   | 1 | s02 |
| .....uaaagugcuuaauagGgcagguagu.....  | 2   | 1 | s02 |
| .....uaaagGgcuaauagugcagguagu.....   | 6   | 1 | s02 |
| .....uaaagugcuuaauagugcaggGagu.....  | 5   | 1 | s02 |
| .....uaaagugcuuaauagugcagguauAu..... | 5   | 1 | s02 |
| .....uaaagAgcuuaauagugcagguagu.....  | 1   | 1 | s02 |
| .....Caaagugcuuaauagugcagguagu.....  | 1   | 1 | s02 |
| .....uaaagugcuuaauagugcCgguagu.....  | 7   | 1 | s02 |

## Mature

## Star

|                                                                                                          |     |   |     |
|----------------------------------------------------------------------------------------------------------|-----|---|-----|
| cagauggguuucagcaguuuaaagugcuuauagugcagguaguuuuauuggauaucuacugcagugugagcacuugaacuucuaugaugcaucaccaccgggua |     |   |     |
| .....uaaagugcuuauagCgcagguagu.....                                                                       | 2   | 1 | s02 |
| .....uaaaguAcuuauagugcagguagu.....                                                                       | 1   | 1 | s02 |
| .....uaaagugcuuauagugcagguaguu.....                                                                      | 20  | 0 | s02 |
| .....uaaagugcuuauagugcagguagAu.....                                                                      | 2   | 1 | s02 |
| .....uaaagugcuuauagugcagguaguA.....                                                                      | 1   | 1 | s02 |
| .....aaagugcuuauagugcaggu.....                                                                           | 1   | 0 | s02 |
| .....aaagugcuuauagugcaggu.....                                                                           | 2   | 0 | s02 |
| .....aaagugcuuauagugcagguGag.....                                                                        | 4   | 1 | s02 |
| .....aaagugcuuauagugcagguag.....                                                                         | 120 | 0 | s02 |
| .....aaagAgcuuauagugcagguag.....                                                                         | 1   | 1 | s02 |
| .....aaagCgcuuauagugcagguag.....                                                                         | 1   | 1 | s02 |
| .....aaagGgcuuauagugcagguag.....                                                                         | 2   | 1 | s02 |
| .....aaagugcuuauagGgcagguag.....                                                                         | 1   | 1 | s02 |
| .....Uaagugcuuauagugcagguag.....                                                                         | 8   | 1 | s02 |
| .....aaagugcuuauagugcagguagu.....                                                                        | 5   | 0 | s02 |
| .....aaagugcuuauagugcagguagC.....                                                                        | 1   | 1 | s02 |
| .....aaagugcuuauagugcagguagA.....                                                                        | 5   | 1 | s02 |
| .....aaagugcCuauagugcagguagu.....                                                                        | 1   | 1 | s02 |
| .....aagugcuuauagugcaggu.....                                                                            | 1   | 0 | s02 |
| .....aagugcuuauagugcagguU.....                                                                           | 2   | 1 | s02 |
| .....aagugcuuauagugcagguag.....                                                                          | 3   | 0 | s02 |
| .....gugcuuauagugcagguag.....                                                                            | 2   | 0 | s02 |
| .....cuacugcagugugagcacuuga.....                                                                         | 4   | 0 | s02 |
| .....uacugcagugugagcacuuga.....                                                                          | 2   | 0 | s02 |
| .....uacugcagugugagcacuuga.....                                                                          | 1   | 0 | s02 |
| .....uacugcagugugagcacuugaag.....                                                                        | 1   | 0 | s02 |
| .....uacugcagugugagcCcuugaag.....                                                                        | 1   | 1 | s02 |
| .....uacugcagugugagcacuugaagu.....                                                                       | 5   | 0 | s02 |
| .....acugcagugGgagcacuug.....                                                                            | 1   | 1 | s02 |
| .....acugcagugugagcacuuga.....                                                                           | 11  | 0 | s02 |
| .....acugcagCgugagcacuuga.....                                                                           | 1   | 1 | s02 |
| .....acugcagugugagcacuugaag.....                                                                         | 12  | 0 | s02 |
| .....acugcagugugagcUcuugaag.....                                                                         | 1   | 1 | s02 |
| .....acugcagugugagcacuugaaU.....                                                                         | 2   | 1 | s02 |
| .....acugcagugGgagcacuugaagu.....                                                                        | 1   | 1 | s02 |
| .....acugcagugugagcacuugaagu.....                                                                        | 95  | 0 | s02 |
| .....acugcagugugagcCcuugaagu.....                                                                        | 2   | 1 | s02 |
| .....acuNcagugugagcacuugaagu.....                                                                        | 1   | 1 | s02 |
| .....acugcagGgugagcacuugaagu.....                                                                        | 1   | 1 | s02 |
| .....acugcagAgugagcacuugaagu.....                                                                        | 1   | 1 | s02 |
| .....cugcagugugagcacuugaag.....                                                                          | 2   | 0 | s02 |
| .....cugcCgugugagcacuugaag.....                                                                          | 1   | 1 | s02 |
| .....cugcagugugagAacuugaagu.....                                                                         | 1   | 1 | s02 |
| .....cugcagugugagcacuugaagu.....                                                                         | 16  | 0 | s02 |
| .....cugcaguAugagcacuugaagu.....                                                                         | 1   | 1 | s02 |
| .....cugcagugugagcacuugUagu.....                                                                         | 1   | 1 | s02 |
| .....cugcagugugagcacuugaagG.....                                                                         | 1   | 1 | s02 |
| .....cugcagugugagcacuugaaguU.....                                                                        | 4   | 1 | s02 |
| .....uuaaagugcuuauagugcaggu.....                                                                         | 1   | 0 | s01 |
| .....uuaaagugcuuauagugcaggu.....                                                                         | 4   | 0 | s01 |
| .....uAaaagugcuuauagugcagguag.....                                                                       | 1   | 1 | s01 |
| .....Cuaaagugcuuauagugcagguag.....                                                                       | 8   | 1 | s01 |
| .....uaaagugcuuauagugcag.....                                                                            | 13  | 0 | s01 |
| .....uaaaUugcuuauagugcagg.....                                                                           | 1   | 1 | s01 |
| .....uaaagugcuuCuagugcagg.....                                                                           | 1   | 1 | s01 |
| .....uaCaugugcuuauagugcagg.....                                                                          | 1   | 1 | s01 |
| .....uaaagugcuuauagCgcagg.....                                                                           | 1   | 1 | s01 |
| .....uaaagugcuCauagugcagg.....                                                                           | 1   | 1 | s01 |
| .....uaaCgugcuuauagugcagg.....                                                                           | 1   | 1 | s01 |
| .....uaaagugcuuauagugcagA.....                                                                           | 1   | 1 | s01 |
| .....uaaagugcuuauaguUcagg.....                                                                           | 1   | 1 | s01 |
| .....uaaagugcuuauagGgcagg.....                                                                           | 4   | 1 | s01 |
| .....uaaagugcuuauagugcagU.....                                                                           | 1   | 1 | s01 |
| .....uaaagGgcuuauagugcagg.....                                                                           | 3   | 1 | s01 |
| .....uaaagugcuuauagugcCgg.....                                                                           | 3   | 1 | s01 |
| .....uaaagugcuuauagugcagg.....                                                                           | 184 | 0 | s01 |
| .....Aaaagugcuuauagugcagg.....                                                                           | 1   | 1 | s01 |
| .....uaaNgugcuuauagugcaggu.....                                                                          | 1   | 1 | s01 |
| .....uaaagugcuuauagugcaggu.....                                                                          | 284 | 0 | s01 |

## Mature

## Star

cagauggguuucagcaguuuaaagugcuuaagugcagguaguuuuauuggauaucuacugcagugugagcacuugaaguacuucuaugaugcaucaccaccgggua

|                                    |      |   |     |
|------------------------------------|------|---|-----|
| .....uaaagAgcuuaauagugcaggu.....   | 4    | 1 | s01 |
| .....uaaagugcuuaauagugcCggu.....   | 2    | 1 | s01 |
| .....uaaagugcuuaauagugcagguC.....  | 2    | 1 | s01 |
| .....uaaagugcuuaauGgugcaggu.....   | 1    | 1 | s01 |
| .....uaaagugcuuaauagugcagguG.....  | 4    | 1 | s01 |
| .....uaaaAugcuuaauagugcaggu.....   | 1    | 1 | s01 |
| .....uaaagugcuuaauagugGaggu.....   | 1    | 1 | s01 |
| .....uaaagugcuuaAagugcaggu.....    | 1    | 1 | s01 |
| .....uaaagCgcuuaauagugcaggu.....   | 1    | 1 | s01 |
| .....uaaagugcuuaauUugcaggu.....    | 2    | 1 | s01 |
| .....uaaagugcuuaauagCgcaggu.....   | 1    | 1 | s01 |
| .....uaaagugcuuaauagGgcaggu.....   | 5    | 1 | s01 |
| .....uaaagGgcuuaauagugcaggu.....   | 7    | 1 | s01 |
| .....uaaagugcuuaauagugcagguA.....  | 4    | 1 | s01 |
| .....uaaCgugcuuaauagugcagguua..... | 2    | 1 | s01 |
| .....uaaagugcuuaauagugcagguU.....  | 10   | 1 | s01 |
| .....Caaagugcuuaauagugcagguua..... | 2    | 1 | s01 |
| .....uaaagugcuuaauaguCcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuuaauCgugcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuuaauagugAagguua..... | 2    | 1 | s01 |
| .....uaaagugAuuaauagugcagguua..... | 2    | 1 | s01 |
| .....uaaagugcuuaauAugcagguua.....  | 1    | 1 | s01 |
| .....uaaagGgcuuaauagugcagguua..... | 31   | 1 | s01 |
| .....uaaagugcuGauagugcagguua.....  | 1    | 1 | s01 |
| .....uaaaguUcuuaauagugcagguua..... | 3    | 1 | s01 |
| .....uaaUgugcuuaauagugcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuuaauaguAcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuuaauagugCggua.....   | 12   | 1 | s01 |
| .....uaaagAgcuuaauagugcagguua..... | 7    | 1 | s01 |
| .....uaaagugUuaauagugcagguua.....  | 1    | 1 | s01 |
| .....uaaGgugcuuaauagugcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuuaauagCgcagguua..... | 8    | 1 | s01 |
| .....uaaagCgcuuaauagugcagguua..... | 4    | 1 | s01 |
| .....Naaagugcuuaauagugcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuuaauagugCggua.....   | 3    | 1 | s01 |
| .....uCaagugcuuaauagugcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuuaauagugcaggCa.....  | 14   | 1 | s01 |
| .....uaaagugcuuaauagAgcagguua..... | 5    | 1 | s01 |
| .....uaaagugcuuaauGgugcagguua..... | 2    | 1 | s01 |
| .....uaaagugcuuaauagugGagguua..... | 1    | 1 | s01 |
| .....uaCagugcuuaauagugcagguua..... | 3    | 1 | s01 |
| .....uaaagugcuCauagugcagguua.....  | 1    | 1 | s01 |
| .....uaaaCugcuuaauagugcagguua..... | 1    | 1 | s01 |
| .....uGaagugcuuaauagugcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuuaauagugcagguua..... | 1674 | 0 | s01 |
| .....uaaagugcuuaauagugcagguG.....  | 1    | 1 | s01 |
| .....uaaagugcuuaauUugcagguua.....  | 2    | 1 | s01 |
| .....uaaagugcuuaauagugcagguAa..... | 10   | 1 | s01 |
| .....uaaagugcuuCugugcagguua.....   | 1    | 1 | s01 |
| .....uaaagugcuuaauagGgcagguua..... | 38   | 1 | s01 |
| .....uaaagugcuuaAagugcagguua.....  | 4    | 1 | s01 |
| .....uaaagugcuuaauagugcaggGa.....  | 14   | 1 | s01 |
| .....uaaagugcuuaauaguUcagguua..... | 1    | 1 | s01 |
| .....uaaagugcuCauagugcagguua.....  | 2    | 1 | s01 |
| .....uaaagugcuuaauAugcagguag.....  | 9    | 1 | s01 |
| .....uaaagugcuuaauCgugcagguag..... | 8    | 1 | s01 |
| .....Aaaagugcuuaauagugcagguag..... | 7    | 1 | s01 |
| .....uaaaguCcuuaauagugcagguag..... | 2    | 1 | s01 |
| .....uUaagugcuuaauagugcagguag..... | 8    | 1 | s01 |
| .....uaaagugcuuaauagugcagguCg..... | 3    | 1 | s01 |
| .....uaaagugcuuaauUgugcagguag..... | 1    | 1 | s01 |
| .....uaaagugcuuaauagugUgguaag..... | 6    | 1 | s01 |
| .....uaaagugcuuaauUugcagguag.....  | 56   | 1 | s01 |
| .....uaaagugcAuauagugcagguag.....  | 1    | 1 | s01 |
| .....uaaagugGGuauagugcagguag.....  | 5    | 1 | s01 |
| .....uaaagugcuuCugugcagguag.....   | 17   | 1 | s01 |
| .....uaaagugAuuaauagugcagguag..... | 11   | 1 | s01 |
| .....uaaagugcuuaauagugCgguaag..... | 129  | 1 | s01 |
| .....uaaaguAcuuaauagugcagguag..... | 5    | 1 | s01 |
| .....uaaagugcuuaauagGgcagguag..... | 324  | 1 | s01 |

## Mature

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cagauggguuucagcaguuuaaagugcuuaauagugcagguaguuuuauuggauaucuacugcagugugagcacuugaaguacuucuaugaugcaugcauccaccgguu

|                                      |       |   |     |
|--------------------------------------|-------|---|-----|
| .....uaaagugcuuaauagugGagguag.....   | 7     | 1 | s01 |
| .....uaaagugcuuaauagugUagguag.....   | 8     | 1 | s01 |
| .....uaaagugcuuaauagugcaggCag.....   | 131   | 1 | s01 |
| .....uCaagugcuuaauagugcagguag.....   | 3     | 1 | s01 |
| .....uaaagugcuuaAagugcagguag.....    | 6     | 1 | s01 |
| .....uNaagugcuuaauagugcagguag.....   | 1     | 1 | s01 |
| .....uaaagugcuCauagugcagguag.....    | 6     | 1 | s01 |
| .....uaaagugcuuaauagugCaCguag.....   | 2     | 1 | s01 |
| .....uaNagugcuuaauagugcagguag.....   | 2     | 1 | s01 |
| .....uaaagugcuuaauagugcaggGag.....   | 256   | 1 | s01 |
| .....uaaagugcuuaaCugcagguag.....     | 7     | 1 | s01 |
| .....uaaagugcuuGuagugcagguag.....    | 5     | 1 | s01 |
| .....uaaaUugcuuaauagugcagguag.....   | 7     | 1 | s01 |
| .....uaaagugcuuaGagugcagguag.....    | 5     | 1 | s01 |
| .....uaaagCgcuuaauagugcagguag.....   | 31    | 1 | s01 |
| .....uaaagugcuuaauaguUcagguag.....   | 27    | 1 | s01 |
| .....uaaagugcuuaauaguAcagguag.....   | 6     | 1 | s01 |
| .....uaaagugcCuauagugcagguag.....    | 5     | 1 | s01 |
| .....uaaagugcuuaauagugcagguuC.....   | 4     | 1 | s01 |
| .....uaaCgugcuuaauagugcagguag.....   | 20    | 1 | s01 |
| .....uaaagGgcuuaauagugcagguag.....   | 423   | 1 | s01 |
| .....uaGagugcuuaauagugcagguag.....   | 6     | 1 | s01 |
| .....uaaagugcuuaauagNgcagguag.....   | 1     | 1 | s01 |
| .....uaaagugcuuaauagAgcagguag.....   | 25    | 1 | s01 |
| .....uaaGgugcuuaauagugcagguag.....   | 28    | 1 | s01 |
| .....uaaaguUcuuaauagugcagguag.....   | 20    | 1 | s01 |
| .....uaaagugcuuaauagugAagguag.....   | 16    | 1 | s01 |
| .....uaaUgugcuuaauagugcagguag.....   | 13    | 1 | s01 |
| .....uaaagugcuuaauaguCcagguag.....   | 6     | 1 | s01 |
| .....uaaagugcuuaauagugCaUguag.....   | 12    | 1 | s01 |
| .....uaaNgugcuuaauagugcagguag.....   | 2     | 1 | s01 |
| .....uaaagugUuuauagugcagguag.....    | 4     | 1 | s01 |
| .....uaaagugcuuaauagugGgguag.....    | 35    | 1 | s01 |
| .....Gaaagugcuuaauagugcagguag.....   | 3     | 1 | s01 |
| .....uaaagugcuuaauagugcagguag.....   | 21700 | 0 | s01 |
| .....uaaagugcuuaauagugcagguUg.....   | 2     | 1 | s01 |
| .....uaaagugcuuaauagugcagguGg.....   | 10    | 1 | s01 |
| .....uaaagugcuuaauagugCaAguag.....   | 1     | 1 | s01 |
| .....uaaagugcuuaauagugcagCuag.....   | 1     | 1 | s01 |
| .....uaaagugcuuaauagugcaggAag.....   | 134   | 1 | s01 |
| .....uaaagAgcuuaauagugcagguag.....   | 68    | 1 | s01 |
| .....uaaagugcuuaauagugcagUuag.....   | 9     | 1 | s01 |
| .....uaaagugcuuaauagCgcagguag.....   | 51    | 1 | s01 |
| .....uaaaAugcuuaauagugcagguag.....   | 6     | 1 | s01 |
| .....uaCaugcuuaauagugcagguag.....    | 21    | 1 | s01 |
| .....uaaagugcuuUuagugcagguag.....    | 5     | 1 | s01 |
| .....uaaagugcuGauagugcagguag.....    | 7     | 1 | s01 |
| .....uaUagugcuuaauagugcagguag.....   | 3     | 1 | s01 |
| .....uaaagugcuuaauagugcagAuag.....   | 4     | 1 | s01 |
| .....uaaagugcuuaauagugcagguaaA.....  | 78    | 1 | s01 |
| .....uaaagugcuuaauagugcagguaaU.....  | 56    | 1 | s01 |
| .....uGaagugcuuaauagugcagguag.....   | 14    | 1 | s01 |
| .....Caaagugcuuaauagugcagguag.....   | 11    | 1 | s01 |
| .....uaaagugcuuaUGugcagguag.....     | 7     | 1 | s01 |
| .....uaaaCugcuuaauagugcagguag.....   | 6     | 1 | s01 |
| .....uaaagugcuuaauagugcagguaaAu..... | 5     | 1 | s01 |
| .....uaaagugcuuaauagugcagguagu.....  | 352   | 0 | s01 |
| .....uaaagugcuuaauaguAcagguagu.....  | 1     | 1 | s01 |
| .....uaaagugcuuaauagugcaggGagu.....  | 5     | 1 | s01 |
| .....uaaagugcuuaUGugcagguagu.....    | 1     | 1 | s01 |
| .....uaaagugcuuaauagugcagguagG.....  | 6     | 1 | s01 |
| .....uaaCgugcuuaauagugcagguagu.....  | 1     | 1 | s01 |
| .....uaaagugcCuauagugcagguagu.....   | 1     | 1 | s01 |
| .....uaaagugcuuaauagugcaggAagu.....  | 1     | 1 | s01 |
| .....uaaagugcuuaauagugcagguaaUu..... | 6     | 1 | s01 |
| .....uaaagGgcuuaauagugcagguagu.....  | 4     | 1 | s01 |
| .....uaaagugcuuaauagGgcagguagu.....  | 2     | 1 | s01 |
| .....uaCaugcuuaauagugcagguagu.....   | 1     | 1 | s01 |
| .....uaaagugcuuaauagugcGgguagu.....  | 2     | 1 | s01 |
| .....uaaagugcuuaauagugUagguagu.....  | 1     | 1 | s01 |

## Mature

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|                                                                                                        |     |   |     |
|--------------------------------------------------------------------------------------------------------|-----|---|-----|
| cagauggguuucagcagauuaaagugcuuauagugcaggguuuuuauggauaucuacugcagugugagcacuugaacuucuaugaugcaucaccaccgggua |     |   |     |
| .....uaaagAgcuuauagugcaggguagu.....                                                                    | 1   | 1 | s01 |
| .....uaaagugcuuauagugcaggguagA.....                                                                    | 285 | 1 | s01 |
| .....uaaagugcuuauagugcaggCagu.....                                                                     | 1   | 1 | s01 |
| .....uaaagugcuuauagugcaggguagC.....                                                                    | 4   | 1 | s01 |
| .....uaaagugcuuauagugcGggguagu.....                                                                    | 1   | 1 | s01 |
| .....uaaagugcuuauagugcaggguCgu.....                                                                    | 1   | 1 | s01 |
| .....uaaagugcuuauagugcaggguaguu.....                                                                   | 8   | 0 | s01 |
| .....uaaagugcuuauagugcaggguagGu.....                                                                   | 1   | 1 | s01 |
| .....uaaagugcuuacagugcaggguaguu.....                                                                   | 1   | 1 | s01 |
| .....uaaagugcuuauagugcaggguauUuu.....                                                                  | 1   | 1 | s01 |
| .....uaaagugcuuauagugcaggguaguC.....                                                                   | 1   | 1 | s01 |
| .....uaaagugcuuauagugcaggguagAu.....                                                                   | 2   | 1 | s01 |
| .....aaagugcuuauagugcagggu.....                                                                        | 1   | 0 | s01 |
| .....aaagugcuuauagugcagggua.....                                                                       | 7   | 0 | s01 |
| .....aaagugcuuauaguAcaggguag.....                                                                      | 1   | 1 | s01 |
| .....Uaagugcuuauagugcaggguag.....                                                                      | 5   | 1 | s01 |
| .....aaagugcuuauagugcaggguag.....                                                                      | 74  | 0 | s01 |
| .....aaagugcuuauaAugcaggguag.....                                                                      | 1   | 1 | s01 |
| .....aaagCgcuuauagugcaggguag.....                                                                      | 1   | 1 | s01 |
| .....aaagAgcuuauagugcaggguag.....                                                                      | 1   | 1 | s01 |
| .....aaagugcuuauagugcaggUuag.....                                                                      | 1   | 1 | s01 |
| .....aaagugcuuUuagugcaggguag.....                                                                      | 1   | 1 | s01 |
| .....aaagugcuuauagugcaggGag.....                                                                       | 3   | 1 | s01 |
| .....aaagugcuuauagugcaggguagA.....                                                                     | 1   | 1 | s01 |
| .....aaagugcuuauagugcaggguagu.....                                                                     | 1   | 0 | s01 |
| .....aagCgcuuauagugcaggguag.....                                                                       | 1   | 1 | s01 |
| .....aagugcuuauagugcaggguag.....                                                                       | 10  | 0 | s01 |
| .....gugcuuauagugcagggua.....                                                                          | 1   | 0 | s01 |
| .....gugcuuauagugcaggguag.....                                                                         | 2   | 0 | s01 |
| .....cuacugcagugugagcacuuga.....                                                                       | 2   | 0 | s01 |
| .....uacugcagugugagcacuuga.....                                                                        | 2   | 0 | s01 |
| .....uacugcagugugagcacuugaa.....                                                                       | 1   | 0 | s01 |
| .....acugcagugugagcacuug.....                                                                          | 1   | 0 | s01 |
| .....acugcagugugagcacuuga.....                                                                         | 4   | 0 | s01 |
| .....acugcagugGgagcacuuga.....                                                                         | 1   | 1 | s01 |
| .....acugcagugugagcacuugaa.....                                                                        | 1   | 0 | s01 |
| .....acugcagugugagcacuugaaU.....                                                                       | 5   | 1 | s01 |
| .....acugcagugugagcacuugGag.....                                                                       | 1   | 1 | s01 |
| .....acugcagugGgagcacuugaag.....                                                                       | 1   | 1 | s01 |
| .....acugcagugugagcacuugaag.....                                                                       | 16  | 0 | s01 |
| .....acugcagGgugagcacuugaagu.....                                                                      | 1   | 1 | s01 |
| .....acugcagugugagcaUuugaagu.....                                                                      | 1   | 1 | s01 |
| .....acugcagugGgagcacuugaagu.....                                                                      | 1   | 1 | s01 |
| .....acugcagugugagcacuugaagu.....                                                                      | 70  | 0 | s01 |
| .....acugcagugugagcacuugaaguU.....                                                                     | 1   | 1 | s01 |
| .....acugcagugugagcacuugaaguaU.....                                                                    | 1   | 1 | s01 |
| .....cugcagugugagcacuugaagG.....                                                                       | 1   | 1 | s01 |
| .....cugcagugugagcacuugaagu.....                                                                       | 12  | 0 | s01 |
| .....cugcagugugagGacuugaagu.....                                                                       | 1   | 1 | s01 |