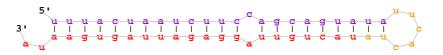
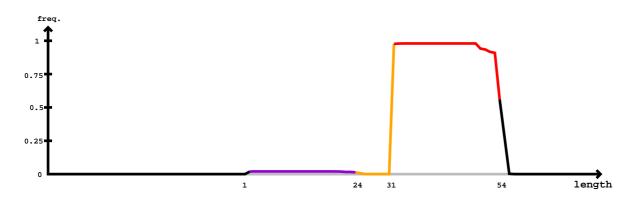
Provisional ID : chromosome\_6\_209828

Score total : 2983.7
Score for star read(s) : 3.9
Score for read counts : 2976.5
Score for mfe : 1.7
Score for randfold : 1.6

Score for cons. seed :

Total read count : 5850 Mature read count : 5734 Loop read count : 0 Star read count : 116





5'- auguaacugcgaagcaaagggauaaucuccuagcagguaauuuacuaaucuuccagcaguauauucacua<mark>uacuguuaggagauuagugaauaau</mark>cuguuaaguucaucau

|   |       | -  |        |
|---|-------|----|--------|
| auguaacugcgaagcaaagggauaaucuccuagcagguaa.uuuacuaaucuuccagcaguaua <mark>uucacuauacuguuaggagauuagugaauaaucug</mark> uucaucacagg | ex    | p  |        |
| ((.(((((((())))((((((((((((   | reads | mm | sample |
| .uuuacuaaucuuccagcagu   | 3     | 0  | s12    |
| .uuuacuaaucuuccagcaguau   | 1     | 0  | s12    |
| .uuuacuaaucuuccagcaguaua  | 12    | 0  | s12    |
| uacuguuaggagauuagu  | 8     | 0  | s12    |
| uacuguuGggagauuagu  | 1     | 1  | s12    |
| uacuguuaggagauuagC  | 8     | 1  | s12    |
| uacuguuaggagauuUgu  | 1     | 1  | s12    |
| uacuguuaggagauuagugG  | 1     | 1  | s12    |
| uacuguuaggagauuaguga  | 4     | 0  | s12    |
| uacuguuaggagauuagGga  | 1     | 1  | s12    |
| uacuguuGggagauuagugaau  | 2     | 1  | s12    |
| uacuguuaggagauuagugGau  | 1     | 1  | s12    |
| uacuguuaggagauuagugaCu  | 1     | 1  | s12    |
| uacGguuaggagauuagugaau  | 1     | 1  | s12    |
| uacuguuaggagauuagugaau  | 161   | 0  | s12    |
| uacCguuaggagauuagugaau  | 1     | 1  | s12    |
| Gacuguuaggagauuagugaau  | 1     | 1  | s12    |
| uacuguuagAagauuagugaau  | 1     | 1  | s12    |
| uacuguuaggagauuagugaaC  | 24    | 1  | s12    |
| uacuguuaggagauuaUugaau  | 1     | 1  | s12    |
| uacuguuaggagauuagCgaau  | 2     | 1  | s12    |
| uacuguuaggagauuagugaGu  | 1     | 1  | s12    |
| uacuguuaggagauuagugaaG  | 2     | 1  | s12    |
| uacuguuaggagauuagugaaua   | 213   | 0  | s12    |
| uacuguuaggagauuagugaauU   | 5     | 1  | s12    |
| uacuguuaggagauuGgugaaua   | 1     | 1  | s12    |
| uacuguuaggGgauuagugaaua   | 1     | 1  | s12    |
|   | 3     | 1  | s12    |
| uacuguuaggagauuagugUaua   | 1     | 1  | s12    |
| uacuguhaggagauuagugaaua   | 1     | 1  | s12    |
| uacuguuaggagauuaguAaaua   | 1     | 1  | s12    |
| uacuguuaggagauuagugaGua   | 1     | 1  | s12    |
| uacuguuaggagaGuagugaaua   | 1     | 1  | s12    |
|   |       |    |        |

| Star Mature  |                   |             |                   |
|--|-------------------|-------------|-------------------|
| auguaacugcgaagcaaagggauaaucuccuagcagguaauuuacuaaucuuccagcaguauauucacua <mark>uacuguuaggagauuagugaaua</mark> aucuguuaaguucaucacag |                   |             |                   |
| .uacuguuGggagauuagugaaua   | 4                 | 1           | s12               |
| uacuguuaggagUuuagugaaua  | 1                 | 1           | s12               |
|  | 5                 | 1           | s12               |
| . Aacuguuaggagauuagugaaua.   |                   |             |                   |
| uacuguuaggagauuagugaaGa  | 2                 | 1           | s12               |
| uacuguuaggagauAagugaaua  | 1                 | 1           | s12               |
| .uacCguuaggagauuagugaaua   | 2                 | 1           | s12               |
| uacuguuaggagauCagugaaua  | 1                 | 1           | s12               |
| uacuguuaggagauuagugGaua  | 1                 | 1           | s12               |
|  |                   |             |                   |
| uacuguCaggagauuagugaaua.   | 1                 | 1           | s12               |
| . uacuguuaggagauuagugCaua  | 1                 | 1           | s12               |
| uacuguuaggagauuagugaauG  | 3                 | 1           | s12               |
| uacuguuaggagaCuagugaaua  | 2                 | 1           | s12               |
| uacuguuaggagauuagugaauaU   | 5                 | 1           | s12               |
| uacuguuaggagauuagugaauaa   | 1                 | 0           | s12               |
|  |                   |             |                   |
| uacuguuaggagauuagugaauaUu.   | 1                 | 1           | s12               |
|  |                   |             |                   |
| uuuacuaaucuuccagcaA  | 2                 | 1           | <b>s13</b>        |
| uuuacuaaucuuccagcaguau   | 2                 | 0           | s13               |
| uuuacuaaucuuccagcaguaua  | 2                 | 0           | <b>s</b> 13       |
|  |                   |             |                   |
| uacuguuaggagauuagC.  | 5                 | 1           | <b>s13</b>        |
| uacuguuaggagauuagu   | 48                | 0           | <b>s1</b> 3       |
| .uacCguuaggagauuagu  | 1                 | 1           | <b>s13</b>        |
| . Aacuguuaggagauuagu.  | 3                 | 1           | s13               |
| uacuguuaggGgauuagu.  | 1                 | 1           | s13               |
|  | 2                 | 1           | s13               |
| uacuguuaggagauuagA   |                   |             |                   |
| uacuguuaggagauuaguA  | 2                 | 1           | s13               |
| uacuguuaggagauuagug  | 1                 | 0           | <b>s13</b>        |
| uacuguuaggagauuagugC   | 1                 | 1           | s13               |
| .uacuguuaggagauuaguga  | 7                 | 0           | <b>s</b> 13       |
| uacuguuaggagauuagugaU  | 6                 | 1           | s13               |
|  | 3                 | 1           | s13               |
| Cacuguuaggagauuagugaa  |                   |             |                   |
| uacuguuaggagauuagugaa  | 1                 | 0           | s13               |
| uacuguuaggagaGuagugaau   | 2                 | 1           | s13               |
| .Aacuguuaggagauuagugaau  | 4                 | 1           | <b>s13</b>        |
| .uacuguuaggagauuagCgaau  | 1                 | 1           | <b>s</b> 13       |
| uacuguuaggagauuagugaaA   | 2                 | 1           | s13               |
|  | 8                 | 1           | s13               |
| uacuguuGggagauuagugaau   |                   |             |                   |
| uacuguuaggagauuagugaaC   | 9                 | 1           | s13               |
| uacuguuaggagauuagugaau   | 96                | 0           | s13               |
| uacugCuaggagauuagugaau   | 1                 | 1           | <b>s13</b>        |
| .uacuguuaggagauuagugaaua   | 221               | 0           | s13               |
|  | 2                 | 1           | <b>s</b> 13       |
|  |                   |             |                   |
| uacuguuaggGgauuagugaaua.   | 2                 | 1           | <b>s13</b>        |
| uacuguuaggagauuagugaauU  | 9                 | 1           | <b>s1</b> 3       |
| .uacuguuaggagauuagugaaCa   | 1                 | 1           | <b>s13</b>        |
| uacuguCaggagauuagugaaua  | 1                 | 1           | s13               |
| . uacuguuaggagauCagugaaua  | 2                 | 1           | s13               |
| uacuguAaggagauuagugaaua  | 1                 | 1           | s13               |
|  |                   |             |                   |
| uacuguuaggagauuGgugaaua  | 1                 | 1           | s13               |
| uacuguuaggagauuagugaaGa  | 4                 | 1           | s13               |
| uacuguuaggagauuCgugaaua  | 1                 | 1           | s13               |
| uacuguuaggagauuagugaaAa  | 1                 | 1           | <b>s13</b>        |
| uacuquuaqqaqauuaquqaauG.   | 1                 | 1           | <b>s</b> 13       |
| uacuguuGggagauuagugaaua  | 5                 | 1           | s13               |
|  |                   |             |                   |
| uacuguuaggagauuaguUaaua  | 1                 | 1           | <b>s13</b>        |
| uacuguuaggCgauuagugaaua  | 1                 | 1           | <b>s13</b>        |
| .uacuguuaggagauuagugaauUa  | 1                 | 1           | <b>s13</b>        |
| uacuguuaggagauuagugaauaU   | 15                | 1           | s13               |
| uacuguuaggagauuaC  | 1                 | 1           | s13               |
|  | 2                 | 0           |                   |
| uacuguuaggagauuagugaauaau  |                   |             | s13               |
| uacuguuaggagauuagugaauaUu  | 2                 | 1           | <b>s13</b>        |
| uacuguuaggagauuagugaauaauA   | 2                 | 1           | s13               |
|  |                   |             |                   |
| uuuacuaaucuuccagcagu   |                   | 0           | s19               |
|  | 2                 |             |                   |
|  |                   | 1           | s19               |
| uuuacuaaucuuccagcagC   | 1                 | 1           | s19               |
|  | 1<br>2            | 0           | s19               |
| uuuacuaaucuuccagcagC.  uuuacuaaucuuccagcaguaua.  uacuguuaggagauuagu.   | 1<br>2<br>11      | 0           | s19<br>s19        |
|  | 1<br>2            | 0           | s19               |
| uuuacuaaucuuccagcagC.  uuuacuaaucuuccagcaguaua.  uacuguuaggagauuagu.   | 1<br>2<br>11      | 0           | s19<br>s19        |
| uuuacuaaucuuccagcagC. uuuacuaaucuuccagcaguaua. uacuguuaggagauuagu uacuguuaggagauuaAu   | 1<br>2<br>11<br>2 | 0<br>0<br>1 | s19<br>s19<br>s19 |

| Star Mature  |  |                                      |  |
|--|--|--------------------------------------|--|
| auguaacugcgaagcaaagggauaaucuccuagcagguaauuuacuaaucuuccagcaguauauucacuauacuguuaggagauuagugaauaaucuguuaaguucaucacag  |  |                                      |  |
| uacuguuaggagauuaguga   | 3  | 0                                    | s19  |
|  |  |                                      |  |
| uacuguuaggagauuagCga   | 1  | 1                                    | s19  |
| uacuguuagUagauuaguga   | 1  | 1                                    | s19  |
| uacuguuaggagauuagugaU  | 4  | 1                                    | s19  |
| uacuguuagugaa  | 3  | 0                                    | s19  |
|  |  |                                      |  |
| uacuguuaggagauuagugaac   | 7  | 1                                    | s19  |
| Aacuguuaggagauuagugaau   | 2  | 1                                    | s19  |
| .uGcuguuaggagauuagugaau  | 2  | 1                                    | s19  |
|  |  |                                      |  |
| .uacuguuGggagauuagugaau  | 7  | 1                                    | s19  |
| uacuguuaggagauuagugaGuuacuguuaggagauuagugaGu   | 5  | 1                                    | s19  |
| uacuguuaggGgauuagugaau   | 1  | 1                                    | s19  |
| uacuguuaggagauuagugaaA   | 2  | 1                                    | s19  |
|  |  |                                      |  |
|  | 1  | 1                                    | s19  |
| uacuguuaggagauuagugaau   | 86   | 0                                    | s19  |
| . uacuguuaggagauuagugaaG   | 3  | 1                                    | s19  |
|  |  |                                      |  |
| . uacuguuaggGgauuagugaaua  | 1  | 1                                    | s19  |
| uacuguuaggagauuagugaaGauacuguuaggagauuagugaaGa   | 3  | 1                                    | s19  |
| uacuguuaggagauuagugaaua  | 99   | 0                                    | s19  |
| uacuguuagUagauuagugaaua.   | 1  | 1                                    | s19  |
|  |  |                                      |  |
| uacuguuaggagauuagugaauGuacuguuaggagauuagugaauG   | 1  | 1                                    | s19  |
| uacuguuaggagauuagCgaauauacuguuaggagauuagCgaaua   | 2  | 1                                    | s19  |
| .uacCguuaggagauuagugaaua   | 1  | 1                                    | s19  |
|  |  |                                      |  |
| . uacuguuaggagauuagugaGua.   | 1  | 1                                    | s19  |
| uacuguuaggagaGuagugaauauacuguuaggagaGuagugaaua   | 1  | 1                                    | s19  |
| uacuguuaggagUuuagugaaua  | 1  | 1                                    | s19  |
| uacuguuGgqagauuaguqaaua.   | 2  | 1                                    | s19  |
|  |  |                                      |  |
| uacuguuaggagaAuagugaaua  | 1  | 1                                    | s19  |
| uacuguuaggagGuuagugaauauacuguuaggagGuuagugaaua   | 6  | 1                                    | s19  |
| .uacuguCaggagauuagugaauaa  | 3  | 1                                    | s19  |
|  |  |                                      |  |
| uacuguuaggagauuaU  | 1  | 1                                    | s19  |
| acuguuaggagauuagugaau  | 2  | 0                                    | s19  |
|  |  |                                      |  |
| .uuuacuaaucuuccagcaguau  | 1  | 0                                    | s14  |
|  |  |                                      |  |
| uacuguuaggagauuagu   | 1  | 0                                    | s14  |
| uacuguuaggagauuaguga   | 1  | 0                                    | s14  |
| uacuguuaggagauuagugaaC   | 1  | 1                                    | s14  |
| uacuguuaggagauuagugaau   | 10   | 0                                    | s14  |
|  |  |                                      |  |
| uacuguuGggagauuagugaau   | 1  | 1                                    | s14  |
| uacuguuaggagauuagugaaua  | 36   | 0                                    | s14  |
| . uacuguuaggagauAagugaaua  | 1  | 1                                    | s14  |
|  |  |                                      |  |
| uacCguuaggagauaua  | 1  | 1                                    | s14  |
| .uacuguuaggagauuaguUaaua   | 1  | 1                                    | s14  |
|  |  |                                      |  |
| uuuacuaaucuuccagcagu   | 1  | 0                                    | s10  |
|  |  |                                      |  |
| .uuuacuaaucuuccagcaguGu  | 1  | 1                                    | <b>s</b> 10  |
| uuuacuaaucuuccagcaguaua  | 6  | 0                                    | <b>s10</b>   |
| uacGguuaggagauuagu.  | 1  | 1                                    | <b>s10</b>   |
| uacuguuaggagauuagC.  | 3  | 1                                    | s10  |
|  |  |                                      |  |
| uacuguuaggagauuaAu   | 1  | 1                                    | <b>s</b> 10  |
| uacuguuaggagauuagu   | 6  | 0                                    | <b>s10</b>   |
| . uacuguuaggagauuaguga   | 6  | 0                                    | s10  |
| uacuguuaggagauuagugaa  | 1  | 0                                    | s10  |
|  |  |                                      |  |
| .uacuguuaggagaGuagugaau  | 1  | 1                                    | s10  |
|  | 169  | 0                                    | <b>s10</b>   |
| uacuguuaggagauuagugaau   | 3  | 1                                    | s10  |
|  |  |                                      |  |
| uacuguuagAagauuagugaau   |  | 1                                    | <b>s</b> 10  |
|  | 1  | 1                                    | <b>s10</b>   |
| uacuguuagAagauuagugaau   | 1  |                                      | s10  |
| uacuguuagAagauuagugaauuacuguuaggagauuagugaaG.  |  | 1                                    | s10  |
| uacuguuagAagauuagugaau. uacuguuaggagauuagugaau. uacuguuaggGgauuagugaau. uacuguuaggagauuagugaGu.  | 1<br>2   |                                      |  |
| uacuguuagAagauuagugaau.  uacuguuaggagauuagugaau.  uacuguuaggagauuagugaGu.  uacuguuaggagauuagugaGu.  uacuguuaggagauuagugGau.  | 1<br>2<br>1  | 1                                    | <b>s10</b>   |
| uacuguuagAagauuagugaau. uacuguuaggagauuagugaau. uacuguuaggGgauuagugaau. uacuguuaggagauuagugaGu.  | 1<br>2<br>1  | 1                                    |  |
| uacuguuagAagauuagugaau.  uacuguuaggagauuagugaau.  uacuguuaggagauuagugaGu.  uacuguuaggagauuagugaGu.  uacuguuaggagauuagugGau.  | 1<br>2<br>1  | 1                                    | <b>s10</b>   |
| uacuguuagAagauuagugaau.  uacuguuaggagauuagugaau.  uacuguuaggagauuagugaGu.  uacuguuaggagauuagugaGu.  uacuguuaggagauuagugGau.  uacuguGagagauuagugGau.  | 1<br>2<br>1  | 1                                    |  |
| uacuguuagAagauuagugaau uacuguuaggagauuagugaau uacuguuaggagauuagugaau uacuguuaggagauuagugaGu uacuguuaggagauuagugGau uacuguuaggagauuagugaau uacuguuaggagauuagugaau   | 1<br>2<br>1<br>1<br>1                                | 1<br>1<br>1                          | s10<br>s10   |
| uacuguuagagagauagugaau  uacuguuaggagauagugaau  uacuguuaggagauuagugaau  uacuguuaggagauuagugaGu  uacuguuaggagauuagugGau  uacuguuaggagauuagugaau  uacuguuaggagCuuagugaau  uacuguuaggagauuagugaau  uacuguuaggagauuagugaau  | 1<br>2<br>1<br>1<br>1<br>1                           | 1<br>1<br>1<br>1                     | s10<br>s10<br>s10  |
| uacuguuagAagauuagugaau uacuguuaggagauuagugaau uacuguuaggagauuagugaau uacuguuaggagauuagugaGu uacuguuaggagauuagugGau uacuguuaggagauuagugaau uacuguuaggagauuagugaau   | 1<br>2<br>1<br>1<br>1                                | 1<br>1<br>1                          | s10<br>s10   |
| uacuguuagagagauagugaau  uacuguuaggagauagugaau  uacuguuaggagauuagugaau  uacuguuaggagauuagugaGu  uacuguuaggagauuagugGau  uacuguuaggagauuagugaau  uacuguuaggagCuuagugaau  uacuguuaggagauuagugaau  uacuguuaggagauuagugaau  | 1<br>2<br>1<br>1<br>1<br>1                           | 1<br>1<br>1<br>1                     | s10<br>s10<br>s10  |
| uacuguuagAagauuagugaau           uacuguuaggagauuagugaaG           uacuguuaggagauuagugaau           uacuguuaggagauuagugaGu           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau  | 1<br>2<br>1<br>1<br>1<br>1<br>2<br>2                 | 1<br>1<br>1<br>1<br>1                | s10<br>s10<br>s10<br>s10   |
| uacuguuagAagauuagugaau           uacuguuaggagauuagugaaG           uacuguuaggagauuagugaau           uacuguuaggagauuagugagu           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           hacuguuaggagauuugugaau  | 1<br>2<br>1<br>1<br>1<br>1<br>1<br>2<br>2            | 1<br>1<br>1<br>1<br>1<br>1           | s10<br>s10<br>s10<br>s10<br>s10                                      |
| uacuguuagAagauuagugaau           uacuguuaggagauuagugaaG           uacuguuaggagauuagugaau           uacuguuaggagauuagugaGu           uacuguuaggagauuagugaGu           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaalu           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau  | 1<br>2<br>1<br>1<br>1<br>1<br>2<br>2<br>4<br>18      | 1<br>1<br>1<br>1<br>1<br>1<br>1      | \$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10                         |
| uacuguuagAagauuagugaau           uacuguuaggagauuagugaaG           uacuguuaggagauuagugaau           uacuguuaggagauuagugagu           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           hacuguuaggagauuugugaau  | 1<br>2<br>1<br>1<br>1<br>1<br>1<br>2<br>2            | 1<br>1<br>1<br>1<br>1<br>1           | s10<br>s10<br>s10<br>s10<br>s10                                      |
| uacuguuagAagauuagugaau           uacuguuaggagauuagugaaG           uacuguuaggagauuagugaau           uacuguuaggagauuagugaGu           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaac           uacuguuaggagauuugugaac | 1<br>2<br>1<br>1<br>1<br>1<br>2<br>2<br>4<br>18      | 1<br>1<br>1<br>1<br>1<br>1<br>1      | \$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10         |
| uacuguuagAagauuagugaau           uacuguuaggagauuagugaag           uacuguuaggagauuagugaau           uacuguuaggagauuagugagu           uacuguuaggagauuagugagu           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuugugaau           uacuguuaggagauuugugaau           uacuguuaggagauuugugaau           uacuguuaggagauuugugaau | 1<br>2<br>1<br>1<br>1<br>1<br>2<br>2<br>4<br>18<br>1 | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | \$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10 |
| uacuguuagAagauuagugaau           uacuguuaggagauuagugaaG           uacuguuaggagauuagugaau           uacuguuaggagauuagugaGu           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaau           uacuguuaggagauuagugaac           uacuguuaggagauuugugaac | 1<br>2<br>1<br>1<br>1<br>1<br>2<br>2<br>4<br>18      | 1<br>1<br>1<br>1<br>1<br>1<br>1      | \$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10<br>\$10         |

| DCa1 Mc   | acure                                     |     |   |             |
|---|---|-----|---|-------------|
| auguaacugcgaagcaaagggauaaucuccuagcagguaauuuacuaaucuuccagcaguauauucacuauac | cuguuaggagauuagugaauaaucuguuaaguucaucacag |     |   |             |
| uac   | cuguuaUgagauuagugaau                      | 1   | 1 | s10         |
|   | cuguuaggagauuagugaau                      | 1   | 1 | <b>s10</b>  |
| uac   | cGguuaggagauuagugaaua                     | 2   | 1 | s10         |
| uaU   |   | 1   | 1 | s10         |
|   |   |     |   |             |
| uac   | cuguuaggagauuagugaauC                     | 1   | 1 | <b>s10</b>  |
| uac   | cuguuaggagauuagugUaua                     | 1   | 1 | s10         |
| uac   | cuguuaggagauuagugaaAa                     | 1   | 1 | <b>s10</b>  |
| uac   | cuguuaggagauuagugaauU                     | 4   | 1 | <b>s</b> 10 |
| uac   |   | 5   | 1 | s10         |
|   |   |     |   |             |
| uac   |   | 2   | 1 | <b>s10</b>  |
| Aac   | cuguuaggagauuagugaaua                     | 6   | 1 | <b>s1</b> 0 |
| ugc   | cuguuaggagauuagugaaua                     | 1   | 1 | <b>s10</b>  |
|   | cuguuaggagauuagugaaua                     | 1   | 1 | <b>s</b> 10 |
| uac   |   | 3   | 1 | s10         |
|   |   | 2   | 1 | s10         |
| uac   |   |     |   |             |
| uac   | cuguuaggUgauuagugaaua                     | 1   | 1 | s10         |
| uac   | cuguuaggagauuagugaauG                     | 4   | 1 | <b>s1</b> 0 |
| uac   | cuguuaggagauuagugaaGa                     | 6   | 1 | <b>s10</b>  |
| uac   | cuquuaqqaqauuaquqaaCa                     | 1   | 1 | s10         |
| uac   |   | 316 | 0 | s10         |
|   |   |     |   |             |
| uac   | cuguuGggagauuagugaaua                     | 4   | 1 | s10         |
| uac   | cuguuaggagauuagugaauaa                    | 1   | 0 | <b>s10</b>  |
| uac   | cuguuaggagauuagugaauaU                    | 6   | 1 | <b>s10</b>  |
| ac  | cuguuaggagauuagugaaC                      | 1   | 1 | s10         |
|   |   |     |   |             |
|   |   | _   | _ |             |
| uuuacuaaucuuccagcagu  |   | 1   | 0 | s01         |
| uuuacuaaucuuccagcaguau  | •••••                                     | 2   | 0 | s01         |
| uuuacuaaucuuccagcaguaua   |   | 2   | 0 | s01         |
| uac   | cuguuaggagauuagu                          | 7   | 0 | s01         |
| uac   | Cugunaggagannaguga                        | 3   | 0 | s01         |
|   |   | 2   | 1 |             |
| uac   |   |     |   | s01         |
| uac   | cuguuaggagauuagugaGu                      | 2   | 1 | s01         |
| uac   | cuguuaggagauuagugaau                      | 17  | 0 | s01         |
| uac   | cuguuaggagauuagugGau                      | 1   | 1 | s01         |
| .uac  | cuguuGggagauuagugaau                      | 2   | 1 | s01         |
|   |   | 1   | 1 | s01         |
| uac   |   |     |   |             |
| uac   | cuguuaggagauuagGgaaua                     | 1   | 1 | s01         |
| uac   | cuguuaggagauuagugaaua                     | 32  | 0 | s01         |
| uac   | cuguuGggagauuagugaaua                     | 2   | 1 | s01         |
|   |   |     |   |             |
| uuuacuaaucuuccagcag   |   | 1   | 0 | s17         |
|   |   |     |   |             |
| uac   | cuguuaggagauuagu                          | 4   | 0 | s17         |
| uac   | cuguuaggagauuagC                          | 1   | 1 | s17         |
| uac   | cuguuaggagauuaguga                        | 2   | 0 | s17         |
| uac   | cuguuaggagauuagugaa                       | 1   | 0 | s17         |
| uac   | CugunaggaganuGgugaan                      | 1   | 1 | s17         |
|   |   |     |   |             |
| uac   |   | 2   | 1 | s17         |
| uac   | cuguuaggagaCuagugaau                      | 1   | 1 | s17         |
| uac   | cuguuaggagauuagugaau                      | 41  | 0 | s17         |
| uac   | cuguuaggagauuagugaaC                      | 8   | 1 | s17         |
| uac   | cugCuaggagauuagugaaua                     | 2   | 1 | s17         |
| uac   |   | 59  | 0 | s17         |
|   |   |     |   |             |
| uac   |   | 1   | 1 | s17         |
| uac   | cuguuaggagauuagugGaua                     | 1   | 1 | s17         |
| uac   | cuguuagUagauuagugaaua                     | 1   | 1 | s17         |
|   | cuguuaggagauuagugaaua                     | 1   | 1 | s17         |
| uac   | cuguuaggagauuaguAaaua                     | 1   | 1 | s17         |
|   |   | _   | _ | J-1         |
|   |   |     |   |             |
| uuuacuaaucuuccagcagu  |   | 1   | 0 | s11         |
| uuuacuaaucuuccagcaguau  |   | 1   | 0 | s11         |
| uuuacuGaucuuccagcaguaua   |   | 1   | 1 | s11         |
| uac   |   | 2   | 0 | s11         |
|   |   | 1   | 1 |             |
| uac   |   |     |   | s11         |
| uac   |   | 1   | 0 | s11         |
| uac   | cuguuaggagauuagugaau                      | 5   | 0 | s11         |
| uac   | cuguuaggagauuagugaaC                      | 1   | 1 | s11         |
| uac   | cuguuGggagauuagugaau                      | 1   | 1 | s11         |
| uac   |   | 1   | 1 | s11         |
|   |   |     |   |             |
| uac   |   | 3   | 1 | s11         |
| uac   | cuguuGggagauuagugaaua                     | 1   | 1 | s11         |

|  | Star                                    | Mature  |   |  |   |  |
|--|---|---|---|--|---|--|
| auguaacugcgaagcaaagggauaaucuccuagcaggu | aauuuacuaaucuuccagcagu                  | auauucacuauacuguuaggagauuagugaau  | aaucuguuaaguucaucacag                   |  |   |  |
|  |   | uGcuguuaggagauuagugaau  | a                                       | 1  | 1   | s11  |
|  |   | uacuguuaggagauuagugaau  | a                                       | 17   | 0   | s11  |
|  |   |   |   |  |   |  |
|  |   |   |   | •  | •   | 0.0  |
|  |   | •   | • | 2  | 0   | s02  |
| •••••                                  | uuuacuaaucuuccagcagA                    |   | • | 1  | 1   | s02  |
|  | uuuacuaaucuuccagcag0                    |   | • | 2  | 1   | s02  |
|  | uuuacuaaucuuccagcagu                    | au  |   | 1  | 0   | s02  |
|  | uuuacuaaucuuccagcagu                    | Gu  |   | 1  | 1   | s02  |
|  | uuuacuaaucuuccagcagu                    |   |   | 20   | 0   | s02  |
|  |   |   | • |  |   |  |
| •••••                                  | uAuacuaaucuuccagcagu                    | aua   | • | 1  | 1   | s02  |
| •••••                                  | uuacuaaucuuccagcagu                     | auauucacA   | • | 2  | 1   | s02  |
|  |   | auacuguuGggagauuagugaa.   |   | 1  | 1   | s02  |
|  |   | uacuguuaggagauuagu  |   | 17   | 0   | s02  |
|  |   | uacuguuaggagaGuagu  |   | 1  | 1   | s02  |
|  |   |   |   | 1  | 1   | s02  |
| •••••                                  |   | uacuguuaggagauuagC  |   |  |   |  |
| •••••                                  | • | uacuguuGggagauuagu  | • | 2  | 1   | s02  |
| •••••                                  | • | uacuguuaggCgauuagu  | • | 1  | 1   | s02  |
|  |   |   | • | 1  | 1   | s02  |
|  |   | uacuguuaggagauuagug   |   | 20   | 0   | s02  |
|  |   | uacuguuGggagauuagug   |   | 2  | 1   | s02  |
|  |   | uacuguCaggagauuagug   |   | 1  | 1   | s02  |
| •••••                                  |   |   |   |  |   |  |
| •••••                                  |   | uacuguuaggagauuaguA   |   | 2  | 1   | s02  |
| •••••                                  |   | uacuguuaggagauuaguga  | • | 24   | 0   | s02  |
|  |   | uacuguuGggagauuaguga  | • | 4  | 1   | s02  |
|  |   | uacuguuaggGgauuaguga  |   | 1  | 1   | s02  |
|  |   | uacuguuaggagauuagugU  |   | 1  | 1   | s02  |
|  |   | uacuguuaggagauuagugG  |   | 1  | 1   | s02  |
| •••••                                  |   |   |   |  |   |  |
| •••••                                  | • | Aacuguuaggagauuaguga  | • | 2  | 1   | s02  |
| •••••                                  | • | uacuguuaggagauuagugC  | • | 1  | 1   | s02  |
|  |   | Cacuguuaggagauuaguga  |   | 1  | 1   | s02  |
|  |   | uacuguuaggagauuagugaa.  |   | 2  | 0   | s02  |
|  |   | uacuguuaggagauuagugaG.  |   | 1  | 1   | s02  |
|  |   |   |   | 4  | 1   |  |
| •••••                                  |   | uacuguuaggagauuagugaU.  |   | 4  |   |  |
|  |   |   |   |  |   | s02  |
| •••••                                  | • | uacuguuaggagauuagugaC.  |   | 1  | 1   | s02  |
|  |   | uacuguuaggagauuagugaC.  |   | 1<br>2   |   |  |
|  |   |   |   |  | 1   | s02  |
|  |   | uacugGuaggagauuagugaau  |   | 2  | 1<br>1                                    | s02<br>s02   |
|  |   | uacugGuaggagauuagugaauAacuguuaggagauuagugaauuacuguuaggagauuagugaaC  |   | 2<br>10<br>60  | 1<br>1<br>1                               | s02<br>s02<br>s02<br>s02   |
|  |   |   |   | 2<br>10<br>60<br>507   | 1<br>1<br>1<br>0                          | s02<br>s02<br>s02<br>s02<br>s02  |
|  |   | uacugGuaggagauuagugaauAacuguuaggagauuagugaauuacuguuaggagauuagugaaCuacuguuaggagauuagugaauuacCguuaggagauuagugaau  |   | 2<br>10<br>60<br>507<br>3  | 1<br>1<br>1<br>0                          | s02<br>s02<br>s02<br>s02<br>s02<br>s02                                       |
|  |   |   |   | 2<br>10<br>60<br>507   | 1<br>1<br>1<br>0                          | s02<br>s02<br>s02<br>s02<br>s02  |
|  |   | uacugGuaggagauuagugaauAacuguuaggagauuagugaauuacuguuaggagauuagugaaCuacuguuaggagauuagugaauuacCguuaggagauuagugaau  |   | 2<br>10<br>60<br>507<br>3  | 1<br>1<br>1<br>0                          | s02<br>s02<br>s02<br>s02<br>s02<br>s02                                       |
|  |   | uacugGuaggagauuagugaauAacuguuaggagauuagugaauuacuguuaggagauuagugaaCuacuguuaggagauuagugaauuacCguuaggagauuagugaauuacUguuaggagauuagugaau  |   | 2<br>10<br>60<br>507<br>3  | 1<br>1<br>1<br>0<br>1                     | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02                                |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaac . uacuguuaggagauuagugaau . uacCguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagaAuagugaau . uacuguuaggagaAuagugaGu   |   | 2<br>10<br>60<br>507<br>3<br>1   | 1<br>1<br>1<br>0<br>1                     | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02                         |
|  |   | uacugGuaggagauuagugaau Aacuguuaggagauuagugaau uacuguuaggagauuagugaau uacCguuaggagauuagugaau uacCguuaggagauuagugaau uacuguuaggagaNuagugaau uacuguuaggagauuagugaGu uacuguuaggagauuagCgaau   |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3  | 1<br>1<br>1<br>0<br>1<br>1<br>1<br>1<br>1 | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02                  |
|  |   | uacugGuaggagauuagugaau Aacuguuaggagauuagugaau uacuguuaggagauuagugaau uacCguuaggagauuagugaau uacCguuaggagauuagugaau uacuguuaggagauuagugaau uacuguuaggagauuagugaGu uacuguuaggagauuagCgaau uacugUuaggagauuagCgaau  |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2   | 1<br>1<br>1<br>0<br>1<br>1<br>1<br>1<br>1 | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02           |
|  |   | uacugGuaggagauuagugaau Aacuguuaggagauuagugaau uacuguuaggagauuagugaau uacCguuaggagauuagugaau uacuguuaggagauuagugaau uacuguuaggagauuagugaau uacuguuaggagauuagCgaau uacugCuaggagauuagCgaau uacugCuaggagauuagugaau uacugCuaggagauuagugaau   |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2   | 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1             | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02           |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacCguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagCgaau . uacugUaggagauuagUgaau . uacugUaggagauuagugaau . uacugUaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuagJagauuagugaau . uacuguuagJagauuaGugaau . uacuguuagJagauuaGugaau  |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2   | 1<br>1<br>1<br>0<br>1<br>1<br>1<br>1<br>1 | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02           |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacCguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagCgaau . uacugUaggagauuagUgaau . uacugUaggagauuagugaau . uacugUaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuagJagauuagugaau . uacuguuagJagauuaGugaau . uacuguuagJagauuaGugaau  |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2   | 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1             | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02           |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacCguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagCgaau . uacugUaggagauuagUgaau . uacugUaggagauuagugaau . uacugUaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuagJagauuagugaau . uacuguuagJagauuaGugaau . uacuguuagJagauuaGugaau  |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1  | 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1           | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02           |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuaCugaau . uacuguuaggagauuaCugaau . uacuguuaggaguuaGuaau . uacuguuaggagauuaGugaaa  |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1  | 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1         | s02                                      |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuaCugaau . uacuguuaggagauuaCugaau . uacuguuaggagauuaGugaau . uacuguuaggagauuagugaaa   |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1  | 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1       | s02                                      |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuacugaau . uacuguuaggagauuacugaaa   |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1<br>2<br>43<br>5  | 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02<br>s02           |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggaguuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaaa . uacuguuaggagauuagugaaa                         |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1<br>2<br>43<br>5  | 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | \$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02 |
|  |   | . uacugGuaggagauuagugaau . Aacuguuaggagauuagugaau . uacuguuaggagauuagugaau . uacuguuaggaguuagugaau . uacuguuaggaguuagugaau . uacuguuaggagauuagugaau . uacuguuaggagauuagugaaa . uacuguuaggagauuagugaaa . uacuguuaggagauuagugaaa |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1<br>2<br>43<br>5  | 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | \$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02 |
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|  |   |   |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1<br>2<br>43<br>5<br>1<br>3<br>1<br>2  | 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | \$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02 |
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|  |   |   |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1<br>2<br>43<br>5<br>1<br>3<br>1<br>2<br>1<br>3<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>2<br>4<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>1<br>1<br>1<br>3<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1     | \$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02<br>\$02 |
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|  |   |   |   | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>2<br>43<br>5<br>1<br>3<br>1<br>2<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>3<br>1<br>1<br>1<br>1<br>1   | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1     | \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02                            |
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|  |   |   | a a                                     | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1<br>2<br>43<br>5<br>1<br>1<br>2<br>1<br>3<br>1<br>1<br>1<br>1<br>3<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1     | \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02                            |
|  |   |   | a a                                     | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1<br>2<br>43<br>5<br>1<br>1<br>2<br>1<br>3<br>1<br>1<br>1<br>1<br>3<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1     | \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02                            |
|  |   |   | a                                       | 2<br>10<br>60<br>507<br>3<br>1<br>7<br>3<br>3<br>2<br>1<br>1<br>1<br>2<br>43<br>5<br>1<br>3<br>1<br>2<br>1<br>3<br>1<br>1<br>1<br>3<br>1<br>1<br>1<br>3<br>1<br>1<br>1<br>1<br>1<br>1  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1     | \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02 \$02                            |

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| u   | acuguuGggagauuagugaaua   | 51  | 1 | s02         |
| ua  | aUuguuaggagauuagugaaua   | 2   | 1 | s02         |
|   | acuguuaggagauuagugaaua   | 3   | 1 | s02         |
| ui  | acuguuaggagaCuagugaaua   | 1   | 1 | s02         |
| ui  | acuguuaggaAauuagugaaua   | 1   | 1 | s02         |
| ui  |                          | 2   | 1 | s02         |
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| · · · · · · · · · · · · · · · · · · ·                                   | acuguAaggagauuagugaaua   | 1   | 1 | s02         |
| u   | acuguuaggagauCagugaaua   | 1   | 1 | s02         |
| · · · · · · · · · · · · · · · · · · ·                                   | acuguuaggagCuuagugaaua   | 1   | 1 | s02         |
| u   | acuguuaggGgauuagugaaua   | 5   | 1 | s02         |
| u   | acuguuaggagauuGgugaaua   | 7   | 1 | s02         |
| ui  |                          | 2   | 1 | s02         |
| u   |                          | 1   | 1 | s02         |
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| ······································                                  |                          | 1   | 1 | s02         |
| A   | acuguuaggagauuagugaaua   | 17  | 1 | s02         |
| u   | aAuguuaggagauuagugaaua   | 1   | 1 | s02         |
| u   | acuguuaggagauuagugGaua   | 5   | 1 | s02         |
| u   | acugGuaggagauuagugaaua   | 2   | 1 | s02         |
| ui  | acuguuaggUgauuagugaaua   | 1   | 1 | s02         |
| ui  | acuquuaqqaqauuaquqaaCa   | 4   | 1 | s02         |
| u   |                          | 1   | 1 | s02         |
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| ······································                                  |                          | 1   | 1 | s02         |
| ·······································                                 | acuguuaggagauuagugaaGa   | 12  | 1 | s02         |
| u   | acuguuaggagauuagugaCua   | 1   | 1 | s02         |
| · · · · · · · · · · · · · · · · · · ·                                   | acuguuaggagGuuagugaaua   | 2   | 1 | s02         |
| u   | acuguuaggagauuagugaauG   | 7   | 1 | s02         |
| ui  | acuAuuaggagauuagugaaua   | 1   | 1 | s02         |
| u   |                          | 1   | 1 | s02         |
|   |                          | 1   | 0 | s02         |
| ui  |                          |     |   |             |
| ·······································                                 |                          | 1   | 1 | s02         |
| ua  | acuguuaggagauuagugaauaC  | 1   | 1 | s02         |
| u   | acuguuaggagauuagugaauaU  | 13  | 1 | s02         |
| ua  | acuguuaggagauuagugaauaaC | 2   | 1 | s02         |
| u   | acuguuaggagauuagugaauaau | 1   | 0 | s02         |
|   | acuquCaqqaqauuaquqaau    | 1   | 1 | s02         |
|   |                          | 2   | 1 | s02         |
|   |                          | 3   | 0 | s02         |
|   |                          | 1   | 1 | s02         |
|   |                          |     |   |             |
|   | .cuguuuggagauuagugaaua   | 3   | 1 | s02         |
| uuuacuaaucuuUcagcaguau  |                          | 1   | 1 | s18         |
| uuuacuaaucuuccagcaguaua   |                          | 3   | 0 | s18         |
| ui  |                          | 5   | 0 | s18         |
| u   |                          | 2   | 0 | s18         |
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| ua  | acuguuaggagauuagugaau    | 10  | 0 | s18         |
| ui  | acuguuagCagauuagugaau    | 12  | 1 | s18         |
| u   | acuguuagCagauuagugaaua   | 13  | 1 | s18         |
| u   | acuguuaggagauuagugGaua   | 2   | 1 | s18         |
| ······································                                  | acuguuaggagauuagugaaua   | 39  | 0 | s18         |
|   |                          |     |   |             |
| uuuacuaaucuuccagcag   |                          | 1   | 0 | <b>s</b> 05 |
| uuuacuaaucuuccageCgu  |                          | 1   | 1 | <b>s</b> 05 |
| uuuacuaaucuuccagcaguaC  |                          | 1   | 1 | <b>s</b> 05 |
| uuacuaaucuuccagcaguau   |                          | 1   | 0 | s05         |
|   |                          | 1   | 1 | s05         |
|   |                          |     |   |             |
| u   |                          | 4   | 1 | <b>s</b> 05 |
| u   |                          | 10  | 0 | ສ05         |
| u   | acuguuaggagaAuagug       | 1   | 1 | ສ05         |
| u   | acuguuaggagauuagug       | 1   | 0 | <b>s</b> 05 |
| u   | acuguuaggagauuaguga      | 4   | 0 | <b>s</b> 05 |
| ui  |                          | 3   | 1 | s05         |
| u   |                          | 81  | 0 | s05         |
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| ui  |                          | 8   | 1 | s05         |
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| u   |                          | 1   | 1 | ສ05         |
| u   | acuguuaggagauuagugGau    | 3   | 1 | ສ05         |

| Scar Ma  | care  |   |  |
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| uuuacuaaucuuccagcaguaC   |   | 1 1   |  |
| uuuacuaaucuuccagcaguau   | •   | 2 0   | s07  |
| uuuacuaaucuuccagcaguaua  |   | 16 0  | s07  |
| uacuç  | guuGggagauuagu  | 2 1   | . s07  |
| uacuç  | guuaggagauuagu  | 21 0  | s07  |
| uacuç  | guuaggagauuagC  | 6 1   | . s07  |
| uacuç  |   | 1 1   | s07  |
|  | guuaggagauGagu  | _   | s07  |
|  |   | 2 1   |  |
|  | guuaggagauuagu  | 2 1<br>1 1  |  |
|  | guuaggagauuaguguuaggagauuagu.   | 1 1   | -07  |
|  | guuaggagauuaguguuaggagauuagg.   | 1 1<br>1 1  |  |
|  | guuaggagauuagu.<br>guuaggagauuagu.<br>guuaggagauuagG.<br>guuaggCgauuagu.  | 1 1<br>1 1<br>1 1   | s07  |
| .uacug   | guuaggagauuagu.<br>guuaggagauuagu.<br>guuaggCgauuagu.<br>guuaggCgauuagu.  | 1 1<br>1 1<br>1 1<br>2 0  | s07  |
|  | guuaggagauuagu. guuaggagauuagg. guuaggCgauuagu. guuaggagauuagu. guuaggagauuagu.   | 1 1<br>1 1<br>1 1<br>2 0<br>7 0                                 | s07  |
| .uacug   | guuaggagauuagu. guuaggagauuagu. guuaggCgauuagu. guuaggCgauuagu. guuaggagauuagug.  | 1 1<br>1 1<br>1 1<br>2 0  | . s07<br>s07<br>s07  |
| .uacug   | guuaggagauuagu. guuaggagauuagu. guuaggCgauuagu. guuaggagauuagug. guuaggagauuaguga. guuaggagauuaguga   | 1 1<br>1 1<br>1 1<br>2 0<br>7 0                                 | s07<br>s07<br>s07<br>s07   |
| .uacug   | guuaggagauuagu. guuaggagauuagu. guuaggagauuagu. guuaggagauuagug. guuaggagauuaguga. guuaggagauuaguga.  | 1 1<br>1 1<br>1 1<br>2 0<br>7 0<br>2 1                          | . s07<br>s07<br>s07<br>s07<br>. s07                                |
| .uadug .uadug .uadug .uadug .uadug .uadug .uadug                           | guuaggagauuagu. guuaggagauuagu. guuaggagauuagu. guuaggagauuaguga. guuaggagauuaguga. guuaggagauuaguga. guuaggagauuagugaA.  | 1 1<br>1 1<br>1 1<br>2 0<br>7 0<br>2 1<br>2 1                   | . s07<br>s07<br>s07<br>. s07<br>. s07                              |
|  | guuaggagauuagu. guuaggagauuagu. guuaggagauuagu. guuaggagauuaguga. guuaggagauuagugaU. guuaggagauuagugaA. guuaggagauuagugaaa.   | 1 1 1 1 1 1 2 0 7 0 2 1 2 1 1                                   | s07<br>s07<br>s07<br>s07<br>s07<br>s07<br>s07                      |
|  | guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuaguga guuaggagauuagugaa guuaggagauuagugaa guuaggagauuagugaa guuaggagauuagugaa  | 1 1 1 1 1 1 2 0 7 0 2 1 2 1 1 1 1 1                             | . s07<br>s07<br>s07<br>s07<br>. s07<br>. s07<br>. s07              |
|  | guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuaguga guuaggagauuagugaa guuaggagauuagugaa guuaggagauuagugaa guuaggagauuagugaau guuaggagauuagugaau guuaggagauuagugaau guuaggagauuagugaau guuaggagauuagugaau   | 1 1 1 1 1 1 1 1 2 0 0 7 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | . s07<br>s07<br>s07<br>s07<br>. s07<br>. s07<br>s07<br>s07         |
|  | guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuaguga guuaggagauuagugaa guuaggagauuagugaaa guuaggagauuagugaaa guuaggagauuagugaaa guuaggagauuagugaaa guuaggagauuagugaaa   | 1 1 1 1 1 1 1 1 2 0 0 7 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | s07<br>s07<br>s07<br>s07<br>s07<br>s07<br>s07<br>s07<br>s07<br>s07 |
|  | guuaggagauuagu guuagagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuaguga guuaggagauuagugaa guuaggagauuagugaau guuaggagauuagugaau guuaggagauuagugaau guuaggagauuagugaau guuaggagauuagugaau guuaggagauuagugaau guuaggagauuagugaau  | 1 1 1 1 1 1 1 1 2 0 0 7 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 807<br>807<br>807<br>807<br>807<br>807<br>807<br>807<br>807<br>807 |
|  | guuaggagauuagu guuagagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagugaa guuaggagauuagugaaa                                    | 1 1 1 1 1 1 1 2 0 0 7 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | 807<br>807<br>807<br>807<br>807<br>807<br>807<br>807<br>807<br>807 |
|  | guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagugaa guuaggagauuagugaau                    | 1 1 1 1 1 1 1 1 2 0 0 7 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 807<br>807<br>807<br>807<br>807<br>807<br>807<br>807<br>807<br>807 |
|  | guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagu guuaggagauuagugaa guuaggagauuagugaau | 1 1 1 1 1 1 1 2 0 0 7 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | s07                            |

| auguaa      | acugcgaagcaaagggauaaucuccuagcagguaauuuacuaaucuuccagcaguauauucacuauacuguuaggagauuagugaauaaucuguuaaguucaucacag |        |        |             |
|-------------|--|--------|--------|-------------|
|             | uacuguuaggagauuuucucuagcugguuuuuuucuguucuguuugugagagauuugugaguga   | 3      | 1      | s07         |
|             | uacCguuaggagauuagugaaua  | 3      | 1      | s07         |
|             | uacuguuagUagauuagugaaua  | 1      | 1      | s07         |
|             | Cacuguuaggagauuagugaaua  | 3      | 1      | s07         |
|             | uacuguuaggagaGuagugaaua  | 1      | 1      | s07         |
|             | Aacuguuaggagauuagugaaua  | 6      | 1      | s07         |
|             | uacuguuaggagGuuagugaaua  | 1      | 1      | s07         |
|             | uacuguuaggagauuagugaUua  | 1      | 1      | s07         |
|             | uacuguuaggagauuC   | 1      | 1      | s07         |
|             | uacuguuaggagauuUgugaaua  | 3      | 1      | s07         |
|             | uacuguuaggagauuagugaaua  | 212    | 0      | s07         |
|             | uacugGuaggagauuagugaaua  | 1      | 1      | s07         |
|             | uGcuguuaggagauuagugaaua  | 2      | 1      | s07         |
|             | uacuguuaggagauuagCgaaua  | 1      | 1      | s07         |
|             | uacuguu@ggagauuagugaaua  | 4      | 1      | s07         |
|             | uacuguuaggagauuggugaaug.   | 3      | 1      | s07         |
|             | uacuguuaggagauuagugaauaU   | 5      | 1      | s07         |
|             | uacuguuaggagauuagugaauaC   | 1      | 1      | s07         |
|             | uacuguuaggagauuagugaauaUu  | 2      | 1      | s07         |
|             |  | 2      | 0      | s07         |
|             |  |        |        |             |
|             | uuuacuaGucuuccagcaguaua.   | 2      | 1      | s08         |
|             | uuuacuaaucuuccagcaguaua  | 3      | 0      | s08         |
|             | uacugCuaggagauuagu   | 1      | 1      | s08         |
|             | uacuguuaggagauuagC   | 2      | 1      | s08         |
|             | uacuguuaggagauuagu   | 17     | 0      | s08         |
|             | uacuguuaggagauuagug  | 7      | 0      | s08         |
|             | uacuguuaggagauuaguga   | 5      | 0      | s08         |
|             | uacuguuaggagauuagugU   | 3      | 1      | s08         |
|             | uacuguuaggagauuagugaa  | 2      | 0      | s08         |
|             | uacuguuaggagauuagugaU  | 1      | 1      | s08         |
|             | uacuguuGggagauuagugaa  | 1      | 1      | s08         |
|             | uacuguuaggGgauuagugaau   | 1      | 1      | <b>s</b> 08 |
|             | uacuguuaggagauuagugaaC   | 8      | 1      | <b>s</b> 08 |
|             | uacuguuaggagauuagugaau   | 51     | 0      | s08         |
|             | uacuguuaggaAauuagugaau   | 1      | 1      | <b>s</b> 08 |
| • • • • • • | uacuguuaggagauuagugaGu   | 2      | 1      | <b>s</b> 08 |
| • • • • • • | uacuguuaggagauuagugaaG   | 1      | 1      | <b>s</b> 08 |
|             | uGcuguuaggagauuagugaau   | 1      | 1      | <b>s</b> 08 |
| • • • • • • | uacuguuaggagauuagugaUu   | 1      | 1      | s08         |
| • • • • • • | uacuguuaggagauugugaauU   | 1      | 1      | s08         |
| • • • • • • | uacuguuagAagauuagugaaua  | 1      | 1      | <b>s</b> 08 |
| • • • • • • | uacuguuaggagauuagCgaaua  | 1      | 1      | <b>s</b> 08 |
| • • • • • • | uacuguuCggagauuagugaaua  | 1      | 1      | <b>s</b> 08 |
|             | uacuguAaggagauuagugaaua  | 1      | 1      | <b>s</b> 08 |
|             | uacCguuaggagauuagugaaua  | 1      | 1      | <b>s</b> 08 |
|             | uacuguuaggagauuagugaaGa  | 2      | 1      | <b>s</b> 08 |
|             | Cacuguuaggagauuagugaaua  | 2      | 1      | s08         |
|             | uacugCuaggagauuagugaaua  | 2      | 1      | s08         |
|             | uacuguuaggagauuagugaaua  | 125    | 0      | 808<br>-08  |
|             |  | 1      | 1<br>1 | 808<br>-00  |
|             | uacuguuGggagauuagugaaua  | 3      | 1      | 808<br>-00  |
|             | uacuguuaggagauuagugaauaG   | 1<br>1 | 1      | s08<br>s08  |
|             |  | 1      | 0      | s08         |
|             | acuguaayaaauuagugaau   | 1      | U      | 800         |
|             | uacuguuaggagauuaguga   | 1      | 0      | s04         |
|             |  | 1      | 1      | s04         |
|             |  | 8      | 0      | s04         |
| •••••       | uacuguwayayauwayugawa  | o      | U      | 501         |
|             | uacuguuaggagauuagugaau   | 6      | 0      | s15         |
|             |  | 9      | 0      | s15         |
|             | uacuguuaggagaNuagugaauauacuguuaggagaAuagugaaua   | 1      | 1      | s15         |
|             | uacuguuaggaganuagugaauaUuacuguuaggagauuagugaauaU   | 1      | 1      | s15         |
|             |  |        |        |             |
|             | uuuacuaaucCuccagcaguaua  | 1      | 1      | <b>s</b> 06 |
|             |  | 3      | 0      | s06         |
|             | uacuguuaggagauuagu   | 4      | 0      | s06         |
|             | uacuguuaggagauuaguga   | 1      | 0      | <b>s</b> 06 |
|             | uacuguuaggagauuagugaa  | 1      | 0      | <b>s</b> 06 |
|             |  |        |        |             |

| Star Mature   |     |   |             |
|---|-----|---|-------------|
| auguaacugcgaagcaaagggauaaucuccuagcagguaauuuacuaaucuuccagcaguauauucacuauacuguuaggagauuagugaauaaucuguuaaguucaucacag |     |   |             |
| uacuguAaggagauuagugaau  | 1   | 1 | <b>s</b> 06 |
| uacuguuGggagauuagugaau.   | 2   | 1 | <b>s</b> 06 |
| uacuguuaggagauuagugaaC  | 2   | 1 | <b>s</b> 06 |
| uacuguuaggagauuagugaau  | 81  | 0 | s06         |
|   | 1   | 1 | s06         |
|   | 1   | 1 | s06         |
| uacuguuaggagauuagugGau  | 1   | 1 |             |
|   | 1   | 1 | s06         |
| uacuguuaggagauuaUugaaua   |     |   | s06         |
| uacuguuaggagŪuuagugaaua   | 1   | 1 | <b>s</b> 06 |
| uacuguuaggagauuagugaauC   | 2   | 1 | s06         |
| uacuguuaggagauuagugaaua   | 106 | 0 | s06         |
| uacuguuaggagauuagugGaua   | 3   | 1 | s06         |
| uacuguCaggagauuagugaaua   | 2   | 1 | s06         |
| Aacuguuaggagauuagugaaua   | 1   | 1 | s06         |
| uacuguuGggagauuagugaaua   | 3   | 1 | <b>s</b> 06 |
| uacuguuaggagauuagugaauaa  | 1   | 0 | <b>s</b> 06 |
| uacuguuaggagauuagugaauaU  | 1   | 1 | <b>s</b> 06 |
| uacuguuaggagauuagugaauaUu.  | 2   | 1 | <b>s</b> 06 |
|   |     |   |             |
| auacuguuaggagauuagugaaua  | 1   | 0 | <b>s</b> 03 |
| uacuguuaggagauuagu  | 1   | 0 | <b>s</b> 03 |
| uacuguuaggagauuaguga  | 2   | 0 | <b>s</b> 03 |
| uacuguuaggagauuagugaU   | 1   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaa   | 1   | 0 | <b>s</b> 03 |
| uacuguuaggagauuagugaGu  | 1   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaaC  | 2   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaau  | 56  | 0 | <b>s</b> 03 |
| uacuguAaggagauuagugaaua   | 1   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaGua   | 1   | 1 | <b>s</b> 03 |
| uGcuguuaggagauuagugaaua   | 1   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaaCa   | 1   | 1 | <b>s</b> 03 |
| uacuguuGggagauuagugaaua   | 5   | 1 | s03         |
| uacuguuaggagauuagugaauG   | 2   | 1 | <b>s</b> 03 |
| uacuguuaggagaGuagugaaua   | 1   | 1 | <b>s</b> 03 |
| uacuguuaggagaAuagugaaua   | 1   | 1 | s03         |
|   | 3   | 1 | <b>s</b> 03 |
| uacuguuaggagauuaUugaaua   | 1   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaaua   | 150 | 0 | <b>s</b> 03 |
| uacuguuaUgagauuagugaaua   | 1   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaaGa   | 1   | 1 | <b>s</b> 03 |
| uacuguuaggagauugugaauU  | 3   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaauaU  | 4   | 1 | <b>s</b> 03 |
| uacuguuaggagauuagugaauaC  | 1   | 1 | <b>s</b> 03 |
| acuguuaggagauuagugaaua  | 2   | 0 | <b>s</b> 03 |
|   |     |   |             |
| uuuacuaaucuuccagcaguaua   | 1   | 0 | <b>s16</b>  |
| uacuguuaggagauuagu  | 1   | 0 | s16         |
| uacuguuaggagauuaguga  | 4   | 0 | s16         |
| uacuguuaggagauuagugaCu  | 1   | 1 | <b>s</b> 16 |
| uacuguuaggagauuagugaau  | 38  | 0 | s16         |
| uacuguuaggagauuagugaaC  | 6   | 1 | <b>s</b> 16 |
| uacuguuaggagauuagugaUu  | 1   | 1 | <b>s</b> 16 |
| uacuguuGggagauuagugaau  |     | 1 | s16         |
| uacuguuGggagauuagugaaua   |     | 1 | s16         |
| uacuguuaggagaCuagugaaua   |     | 1 | s16         |
| uacuguuaggagauuagugaaua   |     | 0 | s16         |
| uacuguuaggagauuagugaauU   |     | 1 | s16         |
| uacuguuaggagauuGgugaaua   | 1   | 1 | s16         |
| uacuguuaggagauuagugaauaU  |     | 1 | s16         |
|   |     |   |             |