



|      |                                                                                                                  |       |     |        |
|------|------------------------------------------------------------------------------------------------------------------|-------|-----|--------|
| 5' - | cauccaucgggagagacuagcugguguugagagggcggagacuugggcaauugccagccauuccagagggcauugcacuugucucggucugacagugccggcacagcgcgac | -3'   | obs |        |
|      | cauccaucgggagagacuagcugguguugagagggcggagacuugggcaauugccagccauuccagagggcauugcacuugucucggucugacagugccggcacagcgcgac |       | exp |        |
|      | ..(((.....))).....((((((((((..(((.((((((..((((((((((..(.....).).)))))))).).).))))).))))).)))))))).               | reads | mm  | sample |
|      | .....agggcggagacuugggcaauugc.....                                                                                | 1     | 0   | s02    |
|      | .....agggcggagacuugggcaauugcU.....                                                                               | 1     | 1   | s02    |
|      | .....agggcggagacuugggcaauugcc.....                                                                               | 2     | 0   | s02    |
|      | .....ggcauugcacuugucucggg6cu.....                                                                                | 1     | 1   | s02    |
|      | .....gcauugcacuugucucggucug.....                                                                                 | 2     | 0   | s02    |
|      | .....gcauugcacuugucucggucugU.....                                                                                | 1     | 1   | s02    |
|      | .....cauugcacuugucucggU.....                                                                                     | 2     | 0   | s02    |
|      | .....cauugcacuugucucgguc.....                                                                                    | 10    | 0   | s02    |
|      | .....cauugcacuugucucggCcu.....                                                                                   | 6     | 1   | s02    |
|      | .....cauugcacuugucucggAcu.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcacuugucucggUu.....                                                                                    | 1     | 1   | s02    |
|      | .....cauugcacuugCcuaggucU.....                                                                                   | 1     | 1   | s02    |
|      | .....cauGgcacuugucucggucU.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcacuugucucgUucu.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcacuugucucggucA.....                                                                                   | 3     | 1   | s02    |
|      | .....UauugcacuugucucggucU.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcacuug6cucggucU.....                                                                                   | 2     | 1   | s02    |
|      | .....cauGcgcacuugucucggucU.....                                                                                  | 1     | 1   | s02    |
|      | .....cauugcacuugucucgguc6.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcacuugucU6ggucU.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcUcuugucucggucU.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcacuugucucggg6cu.....                                                                                  | 9     | 1   | s02    |
|      | .....cauugcacuugucucggucU.....                                                                                   | 174   | 0   | s02    |
|      | .....cauugcacuGgucucggucU.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcaAuugucucggucU.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcacuAgucucggucU.....                                                                                   | 1     | 1   | s02    |
|      | .....cauugcacuugucucgguc6g.....                                                                                  | 3     | 1   | s02    |
|      | .....cauugcacuugucucggAcug.....                                                                                  | 2     | 1   | s02    |
|      | .....cauugcacuugucucggucug.....                                                                                  | 344   | 0   | s02    |
|      | .....cauugUacuugucucggucug.....                                                                                  | 2     | 1   | s02    |
|      | .....cauugcacuugucucggucUc.....                                                                                  | 2     | 1   | s02    |
|      | .....cauugcacuugucucgUucug.....                                                                                  | 1     | 1   | s02    |
|      | .....cauugcacuugucU6ggucug.....                                                                                  | 1     | 1   | s02    |

## Star

## Mature

|                                                                                             |                      |   |     |  |
|---------------------------------------------------------------------------------------------|----------------------|---|-----|--|
| cauccaucgggagagacuagcugguguugagaggcggagacuugggcaauugccagccauuccagagggcauugcacuugucucggucuga | cagugccggcacagcgcgac |   |     |  |
| .....cauugcacuugucucggUug.....                                                              | 1                    | 1 | s02 |  |
| .....cauugcacuugucucggCcug.....                                                             | 10                   | 1 | s02 |  |
| .....Gauugcacuugucucggucug.....                                                             | 1                    | 1 | s02 |  |
| .....cauugGacuugucucggucug.....                                                             | 1                    | 1 | s02 |  |
| .....cauugcacuugucucggucuU.....                                                             | 18                   | 1 | s02 |  |
| .....cauugcacuugucucggucUA.....                                                             | 3                    | 1 | s02 |  |
| .....cauugcacuugGcucggucug.....                                                             | 2                    | 1 | s02 |  |
| .....cauugcacuugucucggGcug.....                                                             | 17                   | 1 | s02 |  |
| .....cauugcacuugucucggCcuga.....                                                            | 85                   | 1 | s02 |  |
| .....cauugcacCugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcacuugCcucggucuga.....                                                            | 9                    | 1 | s02 |  |
| .....cauugcaAuugucucggucuga.....                                                            | 8                    | 1 | s02 |  |
| .....cauugcacuuguGucggucuga.....                                                            | 2                    | 1 | s02 |  |
| .....cauugcacuugucucggucAga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugUacuugucucggucuga.....                                                            | 2                    | 1 | s02 |  |
| .....cauugcacuugucuGggucuga.....                                                            | 3                    | 1 | s02 |  |
| .....caCugcacuugucucggucuga.....                                                            | 2                    | 1 | s02 |  |
| .....cauugcacuugucucAgucuga.....                                                            | 2                    | 1 | s02 |  |
| .....cauGcacuugucucggucuga.....                                                             | 2                    | 1 | s02 |  |
| .....cauugcacuugGcucggucuga.....                                                            | 5                    | 1 | s02 |  |
| .....cauugcacuugucucggucGga.....                                                            | 34                   | 1 | s02 |  |
| .....cauugcacuugucucggucugU.....                                                            | 483                  | 1 | s02 |  |
| .....cauugcacuugucucggucuCa.....                                                            | 4                    | 1 | s02 |  |
| .....cauugcacuugucucggAcuga.....                                                            | 7                    | 1 | s02 |  |
| .....cauAgcacuugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcacuugucucggUuga.....                                                             | 6                    | 1 | s02 |  |
| .....cauugcacuugucucggucuUa.....                                                            | 5                    | 1 | s02 |  |
| .....cauugAacuugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcaGuugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcacuugucucUgucuga.....                                                            | 8                    | 1 | s02 |  |
| .....cauugcacuugucucggucugC.....                                                            | 3                    | 1 | s02 |  |
| .....cauugcacuugucCcggucuga.....                                                            | 2                    | 1 | s02 |  |
| .....cauugcacuugucucggucuAa.....                                                            | 2                    | 1 | s02 |  |
| .....cauugcacuugucucggucCga.....                                                            | 6                    | 1 | s02 |  |
| .....cauuCcacuugucucggucuga.....                                                            | 5                    | 1 | s02 |  |
| .....cauugcacuugucUlgucuga.....                                                             | 4                    | 1 | s02 |  |
| .....cauugcacuugucuAggucuga.....                                                            | 3                    | 1 | s02 |  |
| .....caGugcacuugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcacuugucucggucugG.....                                                            | 10                   | 1 | s02 |  |
| .....cauugcCcugucucggucuga.....                                                             | 3                    | 1 | s02 |  |
| .....caAugcacuugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....Uauugcacuugucucggucuga.....                                                            | 3                    | 1 | s02 |  |
| .....cauugcacuugucucggUauga.....                                                            | 1                    | 1 | s02 |  |
| .....cUuugcacuugucucggucuga.....                                                            | 5                    | 1 | s02 |  |
| .....cauugcacuugucucggGcuga.....                                                            | 132                  | 1 | s02 |  |
| .....cauugcacuugucucGgucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcacuugucAcggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....Nauugcacuugucucggucuga.....                                                            | 2                    | 1 | s02 |  |
| .....cauugcacuugucucggucuga.....                                                            | 3724                 | 0 | s02 |  |
| .....cGuugcacuugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcacuugucucgUucuga.....                                                            | 7                    | 1 | s02 |  |
| .....cauGgcacuugucucggucuga.....                                                            | 2                    | 1 | s02 |  |
| .....cauuAcacuugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcUcuugucucggucuga.....                                                            | 3                    | 1 | s02 |  |
| .....cauugcacuuCucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugcGcuugucucggucuga.....                                                            | 1                    | 1 | s02 |  |
| .....cauugGacuugucucggucuga.....                                                            | 5                    | 1 | s02 |  |
| .....cauugcacuGgucucggucuga.....                                                            | 10                   | 1 | s02 |  |
| .....cauugcacuugucucggucugaU.....                                                           | 192                  | 1 | s02 |  |
| .....cauugcacuugucucggucugaA.....                                                           | 80                   | 1 | s02 |  |
| .....cauugcacuugucucggucuga6.....                                                           | 17                   | 1 | s02 |  |
| .....cauugcacuugucucggucugac.....                                                           | 4                    | 0 | s02 |  |
| .....cauugcacuugucucggucugaAa.....                                                          | 3                    | 1 | s02 |  |
| .....cauugcacuugucucggucugaUa.....                                                          | 1                    | 1 | s02 |  |
| .....auugcacuugucucggucuga.....                                                             | 4                    | 0 | s02 |  |
| .....auugcacuugucucggGcuga.....                                                             | 1                    | 1 | s02 |  |
| .....uugcacuugucucggucuga.....                                                              | 1                    | 0 | s02 |  |
| .....gcacuugucucggucuga.....                                                                | 2                    | 0 | s02 |  |
| .....aggcggagacuugggcaauugcca.....                                                          | 1                    | 0 | s01 |  |

## Star

## Mature

|                                                                                                               |     |   |     |
|---------------------------------------------------------------------------------------------------------------|-----|---|-----|
| cauccaucgggagagacuagcugguguugagaggcggagacuugggcaauugccagccauuccagagggaugcacuugucucggucugacagugccggcacagcgcgac |     |   |     |
| .....gcauugcacuugucucggucuga.....                                                                             | 2   | 0 | s01 |
| .....cauugcacuugucucgguc.....                                                                                 | 3   | 0 | s01 |
| .....cauugcacuugucucggU.....                                                                                  | 1   | 1 | s01 |
| .....cauugcacuugucucggUA.....                                                                                 | 1   | 1 | s01 |
| .....cauugcacuug6cucgguc.....                                                                                 | 1   | 1 | s01 |
| .....cauugcacuugucucggucu.....                                                                                | 31  | 0 | s01 |
| .....cauugcacuugucucggGcu.....                                                                                | 1   | 1 | s01 |
| .....cauug6acuugucucggucug.....                                                                               | 1   | 1 | s01 |
| .....cauugcacuugucucggucuA.....                                                                               | 2   | 1 | s01 |
| .....cauugcacuugucucggucuU.....                                                                               | 3   | 1 | s01 |
| .....cauugcacuugucucggucuC.....                                                                               | 1   | 1 | s01 |
| .....cauugcac6ugucucggucug.....                                                                               | 1   | 1 | s01 |
| .....cauugcacuugucucggucug.....                                                                               | 151 | 0 | s01 |
| .....cauugcacuugucucggGcug.....                                                                               | 4   | 1 | s01 |
| .....cauugcacuugucucggCcug.....                                                                               | 2   | 1 | s01 |
| .....cauugcacuugu6ucggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauugcac6ugucucggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauugcacuugucucggucU.....                                                                                | 88  | 1 | s01 |
| .....cauugcacuugucucggGcuga.....                                                                              | 15  | 1 | s01 |
| .....cauugcacuugucucggucuga.....                                                                              | 969 | 0 | s01 |
| .....cauugcacuugucCcggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauugcacuugAcucggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauugcacuCgucucggucuga.....                                                                              | 2   | 1 | s01 |
| .....cauugcacuugucucggucGga.....                                                                              | 6   | 1 | s01 |
| .....cauugcacuugucucggCcuga.....                                                                              | 3   | 1 | s01 |
| .....ca6ugcacuugucucggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauug6acuugucucggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauugcacuugucucggucuAa.....                                                                              | 1   | 1 | s01 |
| .....cauugcacuugucucgAucuga.....                                                                              | 2   | 1 | s01 |
| .....cauugcCcuugucucggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauugcacCugucucggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauugAacuugucucggucuga.....                                                                              | 1   | 1 | s01 |
| .....Aauugcacuugucucggucuga.....                                                                              | 2   | 1 | s01 |
| .....cauugcacuGgucucggucuga.....                                                                              | 1   | 1 | s01 |
| .....cauugcacuug6cucggucuga.....                                                                              | 3   | 1 | s01 |
| .....cauugcacuugucucggUuga.....                                                                               | 1   | 1 | s01 |
| .....cauugcacuugucucggucuCa.....                                                                              | 2   | 1 | s01 |
| .....cauugcacuugucucgguAuga.....                                                                              | 1   | 1 | s01 |
| .....cauugcacuuguc6ggucuga.....                                                                               | 1   | 1 | s01 |
| .....cauugcacuugucucggucugC.....                                                                              | 2   | 1 | s01 |
| .....cauugcacuugucucggucugaU.....                                                                             | 23  | 1 | s01 |
| .....cauugcacuugucucggucugaA.....                                                                             | 15  | 1 | s01 |
| .....cauugcacuugucucggucugaG.....                                                                             | 3   | 1 | s01 |
| .....cauugcacuugucucggucugaAa.....                                                                            | 2   | 1 | s01 |
| .....cauugcacuugucucggucugaUa.....                                                                            | 1   | 1 | s01 |
| .....cauugcacuugucucggucugaAag.....                                                                           | 1   | 1 | s01 |
| .....auugcacuugucucggucuga.....                                                                               | 1   | 0 | s01 |
| .....gcacuugucucggucugU.....                                                                                  | 1   | 1 | s01 |