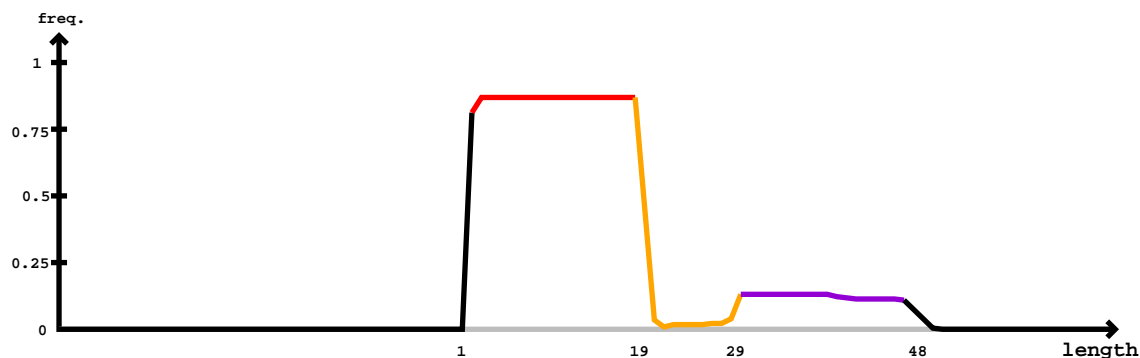


The diagram illustrates a segment of a DNA double helix. The top strand runs from left to right, starting at its 5' end (labeled '5') and ending at its 3' end (labeled '3'). Its sequence of bases is U, U, A, G, U, U, U, G, G, A, G, A, U, U, C, A, U, G, C, A, A. The bottom strand runs from right to left, starting at its 3' end (labeled '3') and ending at its 5' end (labeled '5'). Its sequence of bases is A, A, C, U, C, A, A, G, C, C, U, C, G, A, A, U, U, G, C, A, A. Complementary base pairs are connected by vertical lines: U-A, U-A, A-U, G-C, U-A, U-A, U-A, G-C, G-C, A-U, G-A, A-U, U-A, C-G, A-U, U-A, G-C, C-G, U-A, C-G, A-U.



| 5' - | gucuaacgggucauaccuauugguccucauugcgauccaggaggaguuuaguuugggagauucaugcauaaaacaugaaacuccgaacuaaaagcccugcucgcagguuguagu | -3'   | obs |        |
|------|--------------------------------------------------------------------------------------------------------------------|-------|-----|--------|
|      | gucuaacgggucauaccuauugguccucauugcgauccaggaggaguuuaguuugggagauucaugcauaaaacaugaaacuccgaacuaaaagcccugcucgcagguuguagu |       | exp |        |
|      | .....(((((((.....(((((((.....((((((((((((((((((((.....)))))).)))))))))).)))))).)))))))))))))).                     | reads | mm  | sample |
|      | .....uaaaacugaaacuccgaU.....                                                                                       | 1     | 1   | s02    |
|      | .....uuuaguuCggagauucau.....                                                                                       | 1     | 1   | s19    |
|      | .....uaaaaacugaaacuccgU.....                                                                                       | 1     | 1   | s19    |
|      | .....acaugaaacuccgaacuaaU.....                                                                                     | 1     | 1   | s19    |
|      | .....augaaacuccgaacuaaaa.....                                                                                      | 3     | 0   | s19    |
|      | .....ugaaacuccgaacuaaaU.....                                                                                       | 3     | 1   | s19    |
|      | .....ugaaacuccgaacuaaUa.....                                                                                       | 1     | 1   | s19    |
|      | .....ugaaacuccgaacuaaGa.....                                                                                       | 2     | 1   | s19    |
|      | .....ugaaacuccgaacuaaaa.....                                                                                       | 1     | 0   | s19    |
|      | .....ugaaacuccgaacuaaaaA.....                                                                                      | 1     | 1   | s19    |
|      | .....ugaaacuccgaacuaaaag.....                                                                                      | 2     | 0   | s19    |
|      | .....ugaaacuccgaacuaaaaU.....                                                                                      | 1     | 1   | s19    |
|      | .....uuuaguuCggagauucaugc.....                                                                                     | 1     | 1   | s08    |
|      | .....uuuaguuugggagUuucau.....                                                                                      | 102   | 1   | s07    |
|      | .....uuuaguuugggagUuucaug.....                                                                                     | 17    | 1   | s07    |
|      | .....uuuaguuugggagUuucaugc.....                                                                                    | 4     | 1   | s07    |
|      | .....uuaguuugggagUuucaug.....                                                                                      | 6     | 1   | s07    |
|      | .....cauaaaacugaaacuccg.....                                                                                       | 2     | 0   | s07    |
|      | .....ugaaacuccgaacuaaaa.....                                                                                       | 1     | 0   | s09    |
|      | .....ugaaacuccgaacuaaGa.....                                                                                       | 1     | 1   | s09    |
|      | .....ugaaacuccgaacuaaCa.....                                                                                       | 1     | 1   | s09    |
|      | .....ugaaacuccgaacuaaaaU.....                                                                                      | 2     | 1   | s09    |
|      | .....ugaaacuccgaacuaaaU.....                                                                                       | 2     | 1   | s01    |
|      | .....ugaaacuccgaacuaaaaA.....                                                                                      | 1     | 1   | s01    |
|      | .....ugaaacuccgaacuaaaaU.....                                                                                      | 2     | 1   | s01    |
|      | .....uuuaguuCggagauucau.....                                                                                       | 1     | 1   | s03    |
|      | .....uuuaguuugggagUuucau.....                                                                                      | 18    | 1   | s10    |

MatureStar

|                                                                                                              |    |   |     |
|--------------------------------------------------------------------------------------------------------------|----|---|-----|
| gucuaacggucauaccuaggguccuauugcgauccagggaguuuaguuuggagauucaugcauaaaacaugaaacuccgaacuaaaagcccugcucgcagguuguagu |    |   |     |
| .....uuuaguuuggagUuucaug.....                                                                                | 40 | 1 | s10 |
| .....uuuaguuuggagCuucaug.....                                                                                | 1  | 1 | s10 |
| .....uuuaguuuggagUuucaugc.....                                                                               | 1  | 1 | s10 |
| .....uuuaguuuggagUuucaug.....                                                                                | 7  | 1 | s10 |
| .....augaaacCccgaacuaaaagcc.....                                                                             | 1  | 1 | s15 |