

Diagram of a DNA double helix segment. The top strand is labeled 5' on the left and 3' on the right. The bottom strand is labeled 3' on the left and 5' on the right. The base pairs are: U-C, G-C, C-G, A-T, G-C, A-T, U-C, C-G, A-T. The strands are connected by hydrogen bonds, represented by lines between the bases.



| 5' | 3' | exp | reads | mm | sample |
|--|----|-----|-------|----|--------|
| aaaaauuuuuucaaauucugcagauccacagcaucauuagaucc <u>uggugaugcaagggaucugcaaa</u> agauuagaagcucuuuuuuacagagaguauuacggccucuu(((((((.....((((((((.....))))))))))..)))))))).))))).(((.....((((.....)))).....)).))..ucgagauccacagcaucauuagU..... | | | 2 | 1 | seq |