Abstract

In this paper sequencing of genomic data requires methods to allow this data to be visualized and analyzed. With the emergence of genomic signal processing, graphical representation techniques play a key role in applying digital signal processing techniques like Fourier transforms, and more recently, wavelet transform for visualizing DNA sequence.[2] The choice of the graphical representation technique for a DNA sequence affects how well its biological properties can be reflected in the graphical domain for visualization and analysis of the characteristics of special regions of interest within the DNA sequence. This paper presents a summary of various DNA graphical representation methods and their applications in envisaging and analyzing long DNA sequences. [1] [2]

References

1. Damian Panasa, Piotr Waz, Dorota Bieli, Ashesh Nandy, Subhash C. Basak “2D–Dynamic Representation of DNA/RNA Sequences as a Characterization Tool of the Zika


Index Terms

Computer Science

Signal Processing

Keywords

Genomes, Nucleotides, DNA, sequence, Biology