

Extracting information from DNA sequences through statistical modelling

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DNA sequences convey information on protein codification, but recent experimental observations point at active roles also on spatial conformation (chromatin) through epi-genetic mechanisms.

A key question is: which information about DNA regulation is embedded into DNA sequence?

We show recent results based on our analyses, in which we consider a DNA sequence as the realization of a stochastic process combined with data analysis methods.

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