

MPr : 901

**Detecting RNA-DNA interactions accounting for
distance from transcription start site using a negative
binomial model**

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Abstract

The full importance of RNA/DNA interactions remains largely unknown. Understanding the functional importance and molecular mechanism of such RNA interactions has been challenging. Radicl-Seq is a technology that maps genome-wide RNA-chromatin interactions [?]. This is important information, because many regulatory interactions are believed to be mediated via RNA/DNA interactions. We aim to test the importance of these interactions by testing for associations with human disease loci.

Acknowledgment

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Introduction

Radicl-seq

RNA And DNA Interacting Complexes Ligated and sequenced (RADICL-seq) is a technology developed to map RNA-DNA interactions on a genome wide level.