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# A Study of Transcription and Its Affects

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## Abstract

Research project investigating hits calculated from yeast chromosomes and PSSMs and their correlations to each other. Transcription clusters and PSSMs have information about the transcription process, so modeling it can help us understand more about transcription. We hypothesized that the histogram of hits contains a pattern of having a peak around 30. We were able to prove this [INSERT ACCURACY HERE]% of the time.

## 1 Introduction

We started off with multiple yeast chromosomes in the form of a FASTA file and some PSSMs corresponding to the transcription factors embedded in the yeast chromosomes.

## 2 The Code

The code is open sourced on GitHub, which can be found here: <https://github.com/johnletey/A-Study-of-Transcription-and-Its-Affects>.