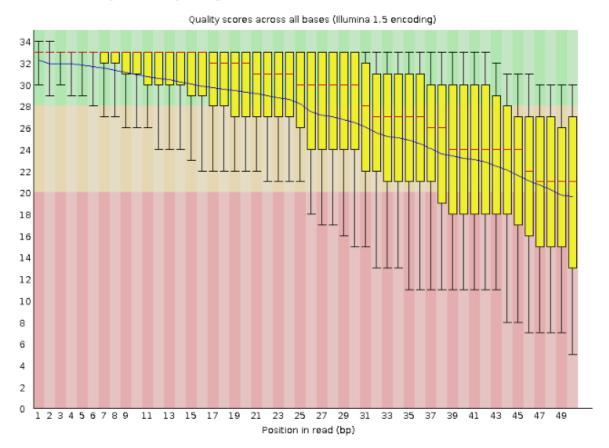
## Khan Inan Transcriptomics Homework 3 Galaxy

## Basic Statistics

Measure	Value
Filename	NO3_2_fastq
File type	Conventional base calls
Encoding	Illumina 1.5
Total Sequences	5182417
Sequences flagged as poor quality	0
Sequence length	50
%GC	53

## Per base sequence quality



This are some of the results I got after using the NO3\_2.fastq file in FastQC tool in Galaxy. The best way I can interpret these results is that the quality of the sequence goes down the further along the sequence that we go. As we can see the blue line, which is essentially the mean line, it is trending downwards as the position in the read goes higher along the x-axis.



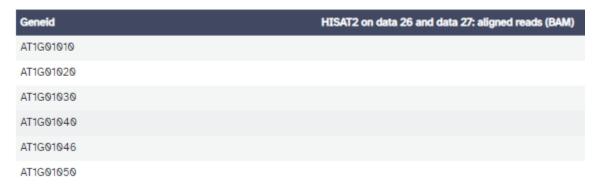
## This was my result after putting the file into trimmomatic



This was my results after using HISAT2 to align my trimmomatic results with the Arabidopsis FASTA file



Afterwards I used HTSEQ-COUNT to create the readcount files and I arrived with a no feature file (shown above) and a regular file. I used the output from running the HISAT2 tool and used it with the Arabidopsis GTF file



This is my regular HTSEQ-COUNT file.

