MultiQC (file:///Users/aseechan/Documents/multiqc_report.html#)

# (http://multiqc.info/)

A modular tool to aggregate results from bioinformatics analyses across many samples into a single report.

Report generated on 2024-08-08, 16:40 based on data in:

- `/gpfs/commons/projects/ak_intern/aseechan/Project_MUN_10873_B01_GRM_WGS/Sample_AKS/qc`
- `/gpfs/commons/projects/ak_intern/aseechan/Project_MUN_10873_B01_GRM_WGS/multiqc`

## General Statistics

Copy table | Configure Columns | Plot | Showing 2/2 rows and 5/8 columns.

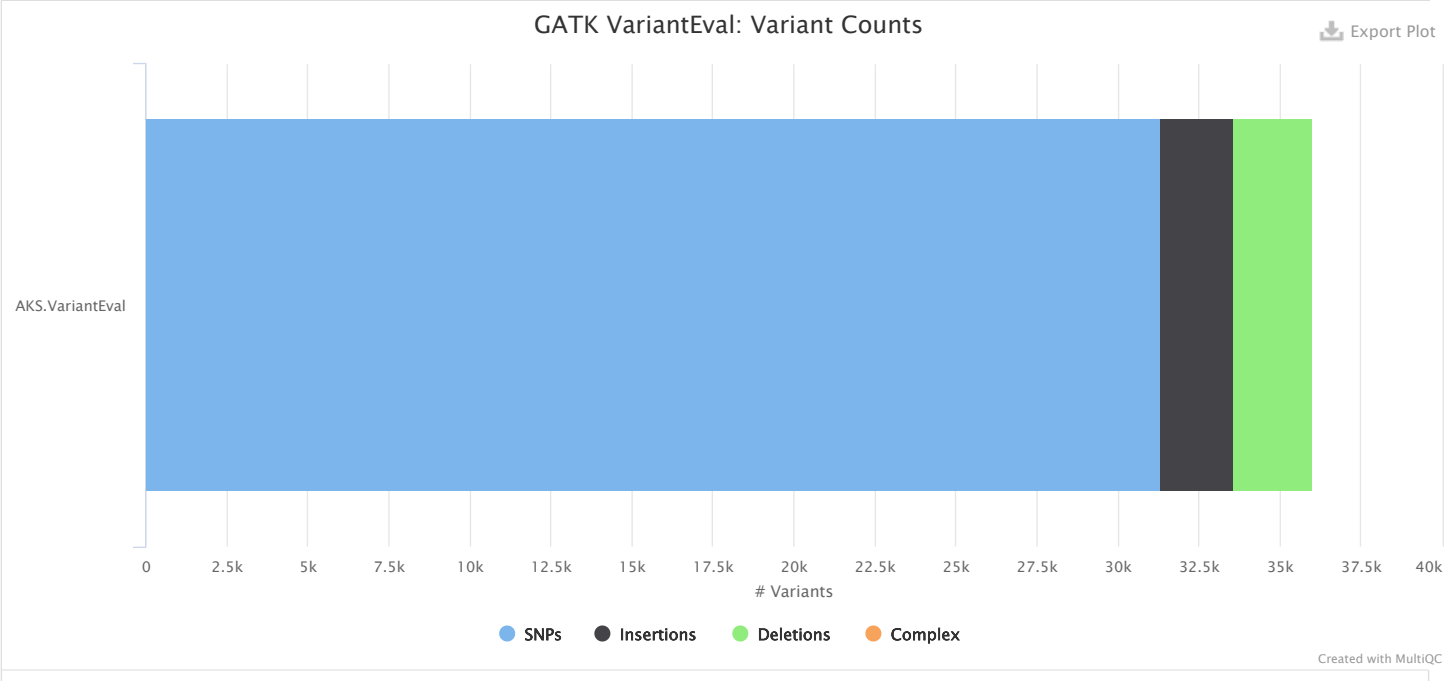
| Sample Name | % Aligned | Insert Size | % Dups | Median Coverage | Bases ≥ 30X |
|---|---|---|---|---|---|
| **AKS.final** | | | | | |
| **AKS.mem** | | | | | |

## GATK

GATK (https://www.broadinstitute.org/gatk/) is a toolkit offering a wide variety of tools with a primary focus on variant discovery and genotyping.

### Variant Counts

Number of Variants | Percentages



## Compare Overlap

Copy table Showing 0/0 rows and 0/0 columns.

**Sample Name**

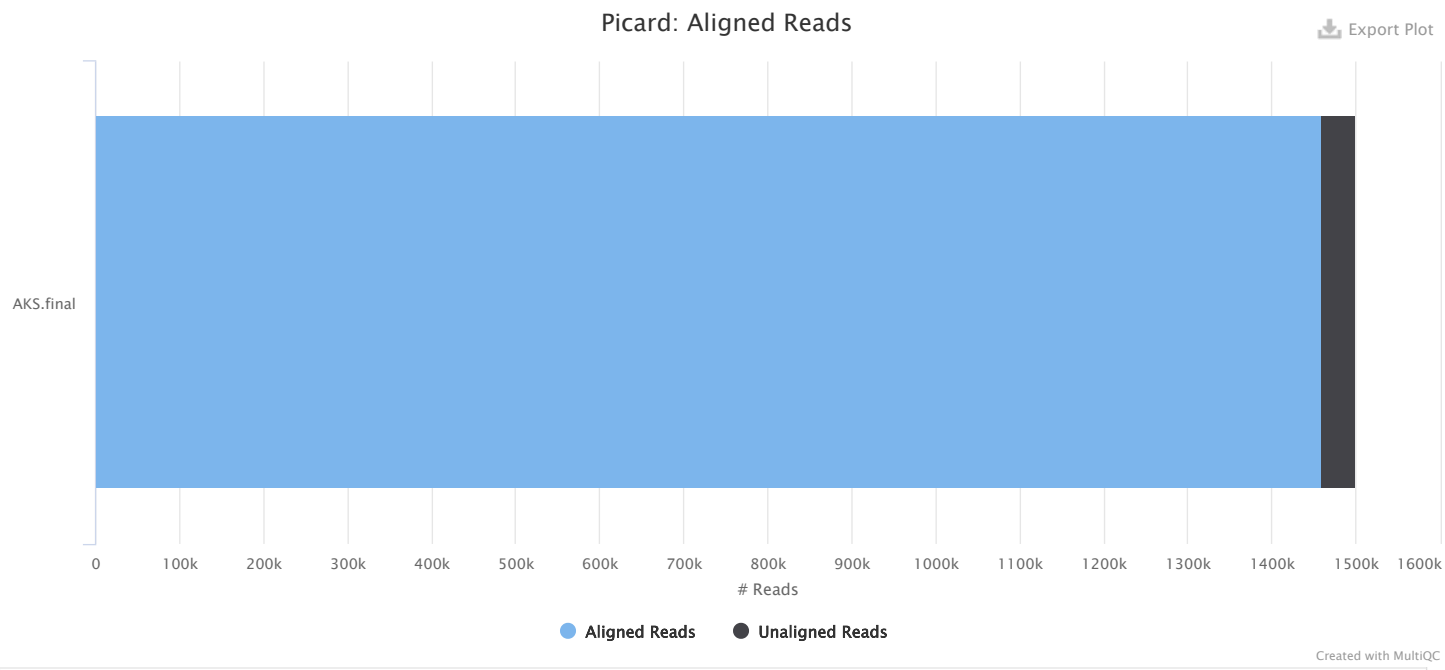
# Picard

Picard (http://broadinstitute.github.io/picard/) is a set of Java command line tools for manipulating high-throughput sequencing data.

## Alignment Summary

Plase note that Picard's read counts are divided by two for paired-end data.

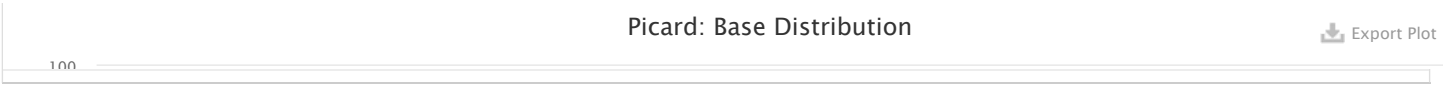
Number of Reads | Percentages




## Base Distribution

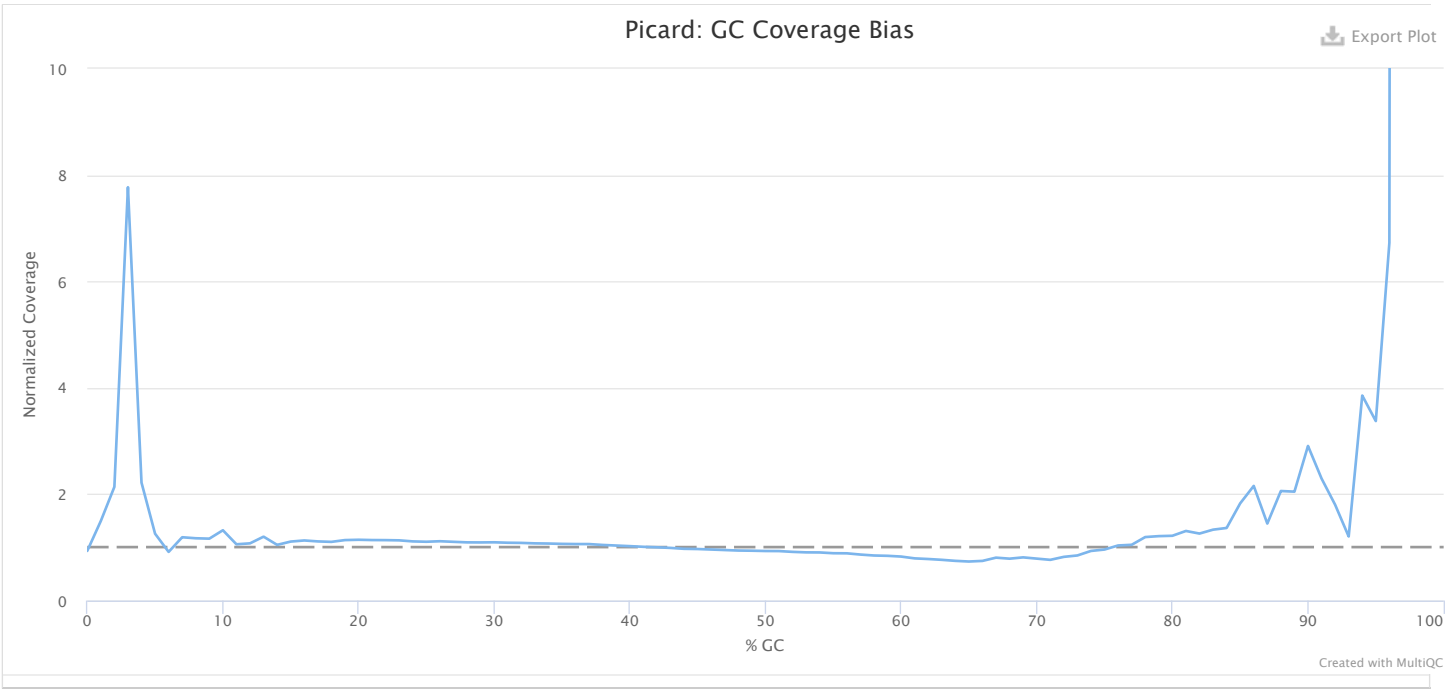
Plot shows the distribution of bases by cycle.

% Adenine | % Cytosine | % Guanine | % Thymine | % Undetermined




## GC Coverage Bias

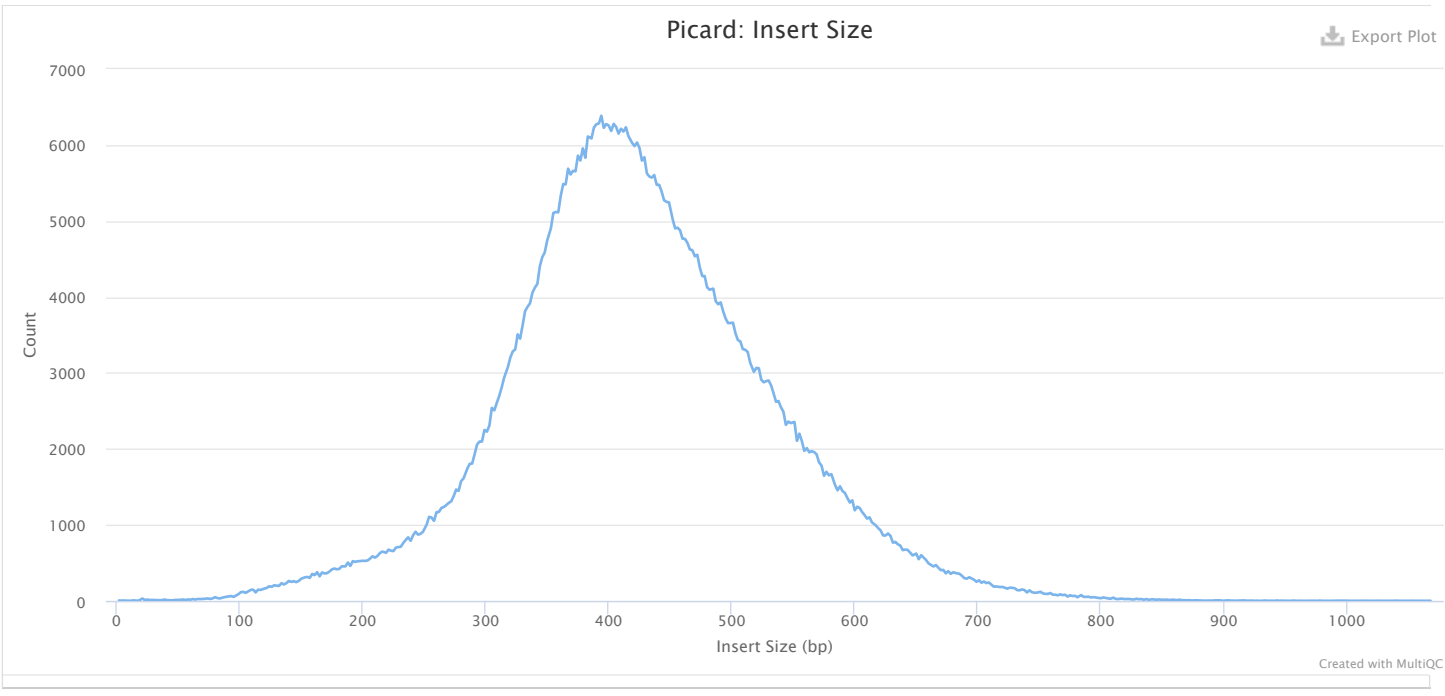
This plot shows bias in coverage across regions of the genome with varying GC content. A perfect library would be a flat line at `y = 1`.




## Insert Size

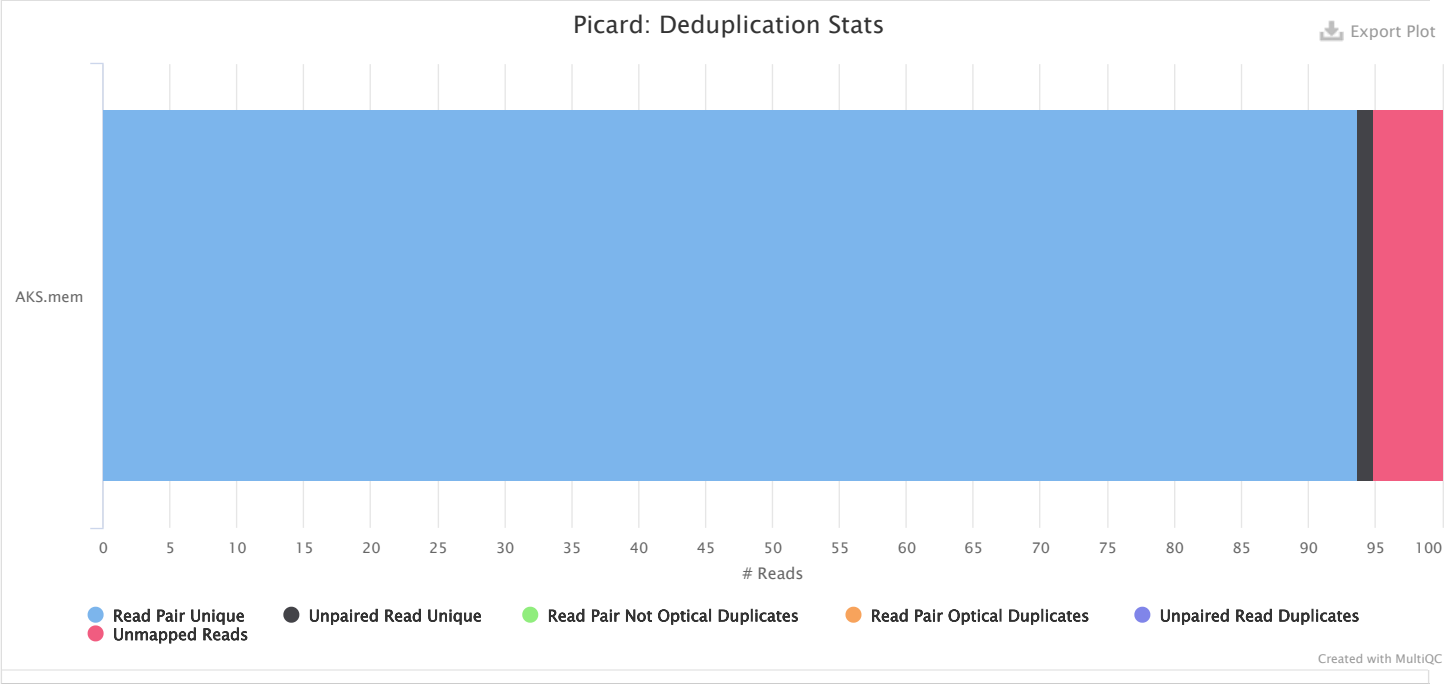
Plot shows the number of reads at a given insert size. Reads with different orientations are summed.

Counts | Percentages




## Mark Duplicates

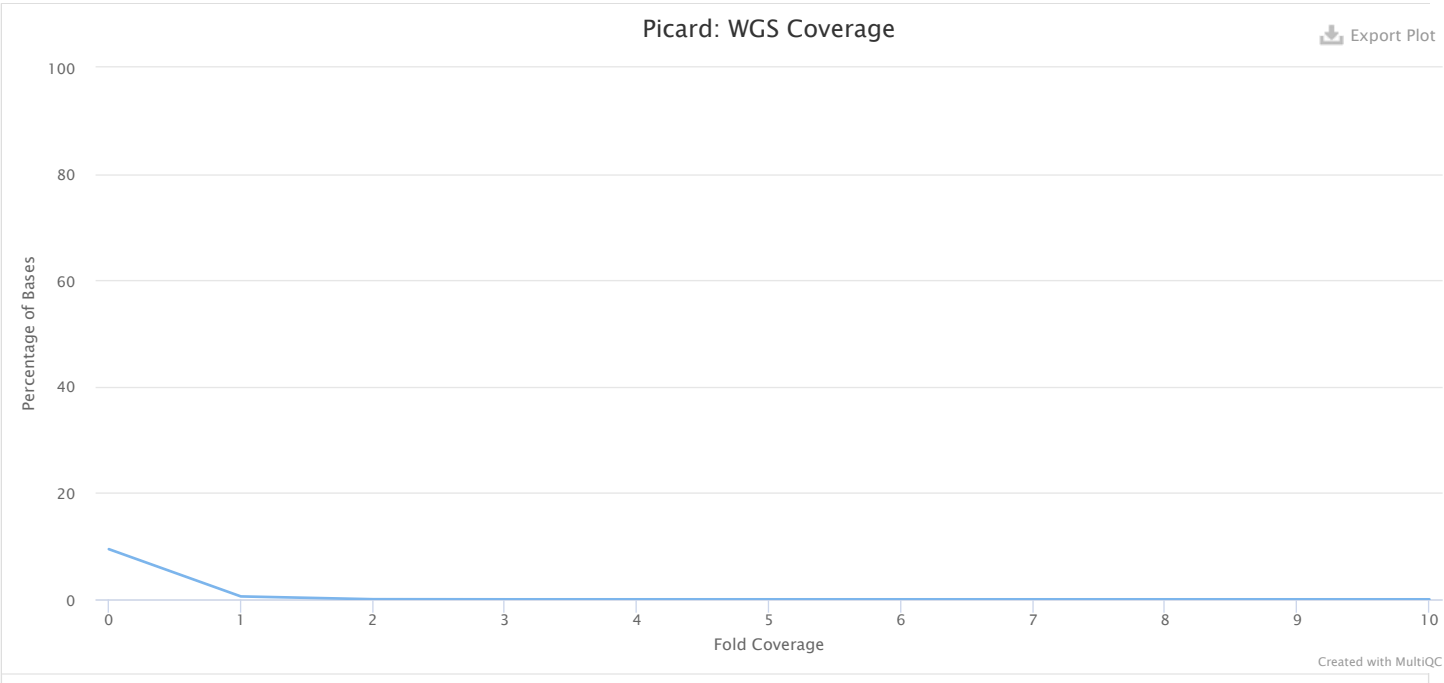
Number of Reads | Percentages




## WGS Coverage

The number of bases in the genome territory for each fold coverage. Note that final 1% of data is hidden to prevent very long tails.

Percentage Drop-Off | Counts Histogram




## WGS Filtered Bases

For more information about the filtered categories, see the Picard documentation (http://broadinstitute.github.io/picard/picard-metric-definitions.html#CollectWgsMetrics.WgsMetrics).