

1. Select the sample for running fastqc and click 'Run FASTQC'

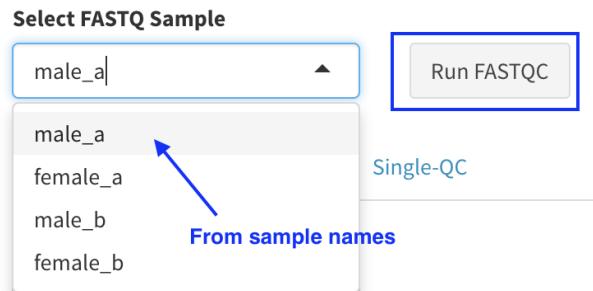


Fig 2.1: Run fastqc

2. For more detailed information on the various qc plots and what to look out for, refer to the "About FASTQC" tab panel.
3. Multi-qc: Aggregated statistics for all the fastq files within the sample selected. Select from the dropdown multi-qc plot type.

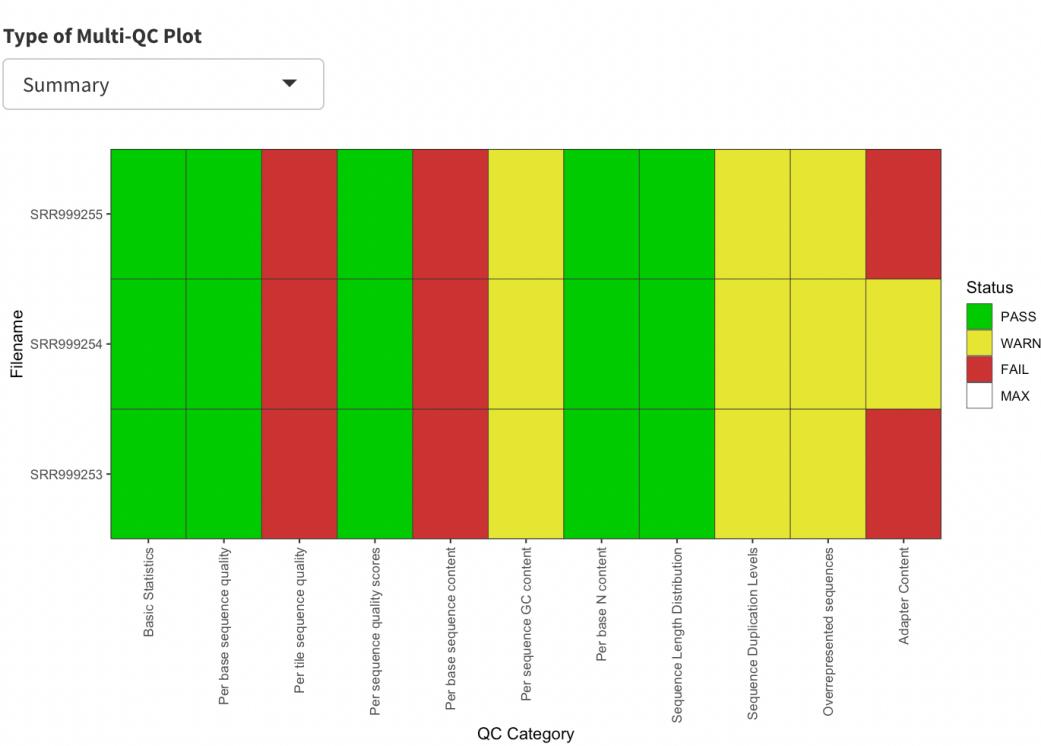


Fig 2.2: Summary (Multi-QC)

**Type of Multi-QC Plot**

Per Base Sequence Quality ▾

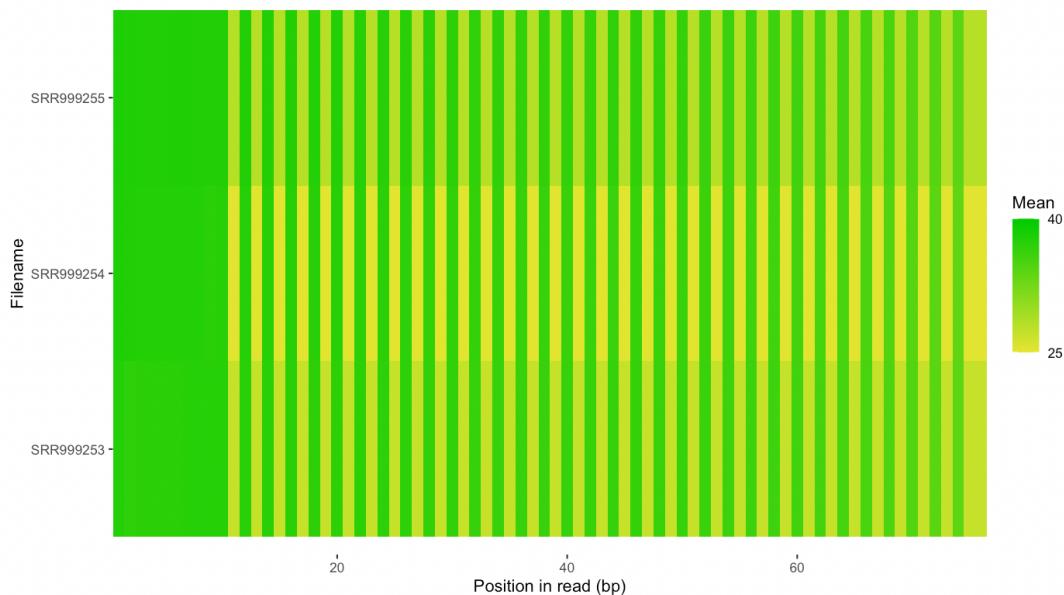


Fig 2.3: Per Base Sequence Quality (Multi-QC)

**Type of Multi-QC Plot**

Mean Sequence Quality Per Read ▾

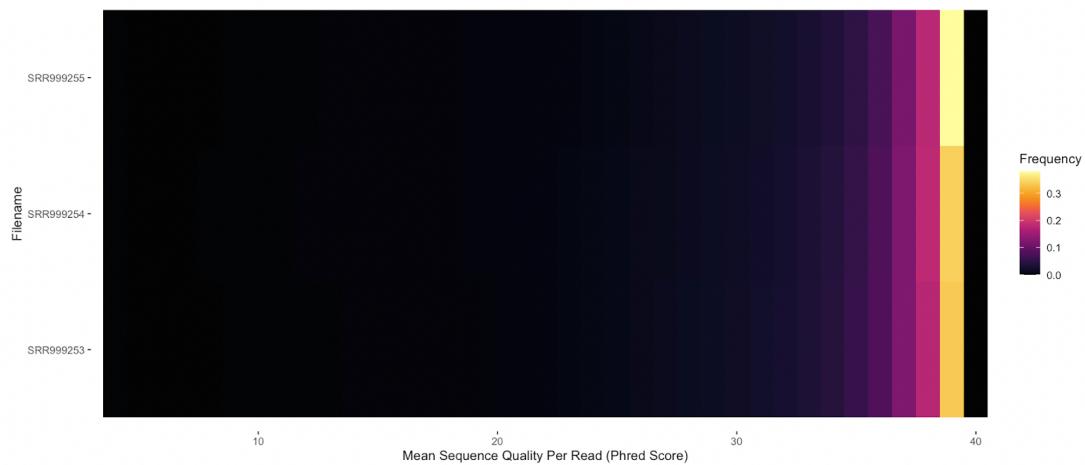


Fig 2.4: Mean Sequence Quality (Multi-QC)

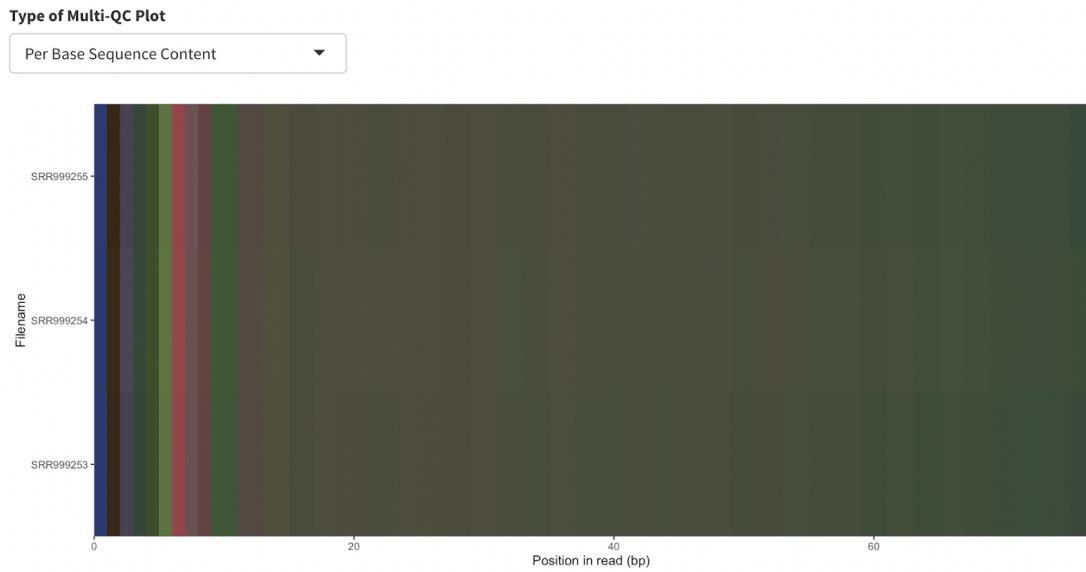


Fig 2.5: Per Base Sequence Content (Multi-QC)

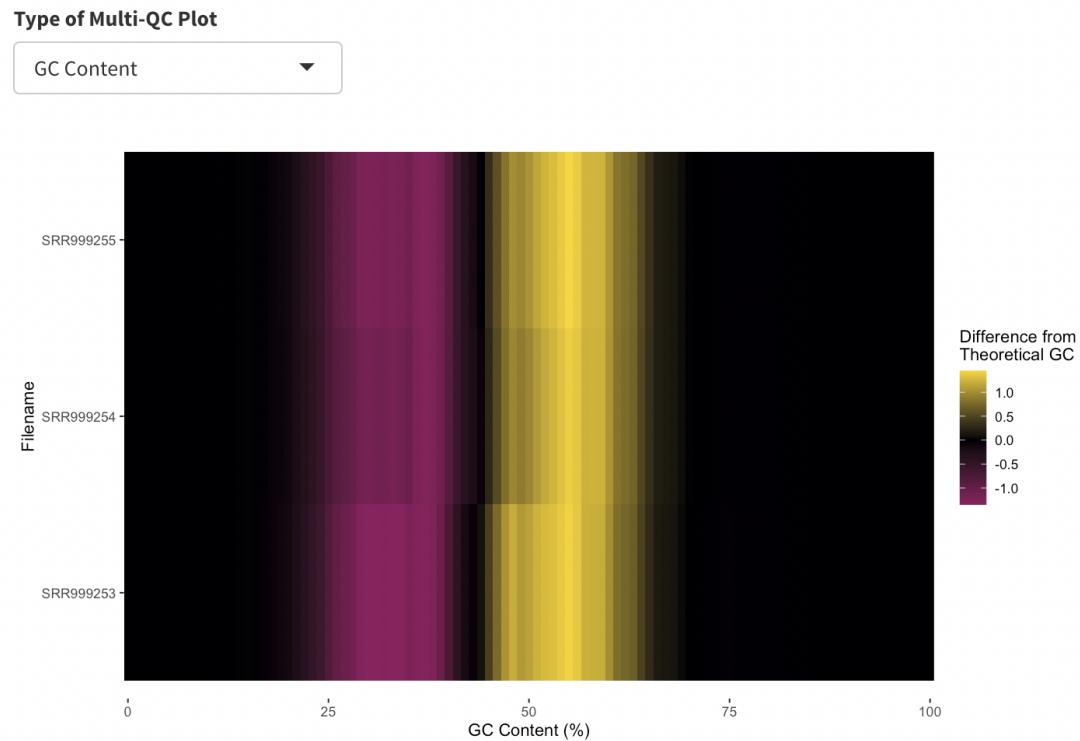


Fig 2.6: GC Content (Multi-QC)

Type of Multi-QC Plot

N Content

No N Content in Sequences

Fig 2.7: N Content (Multi-QC)

Type of Multi-QC Plot

Sequence Duplication Levels ▾

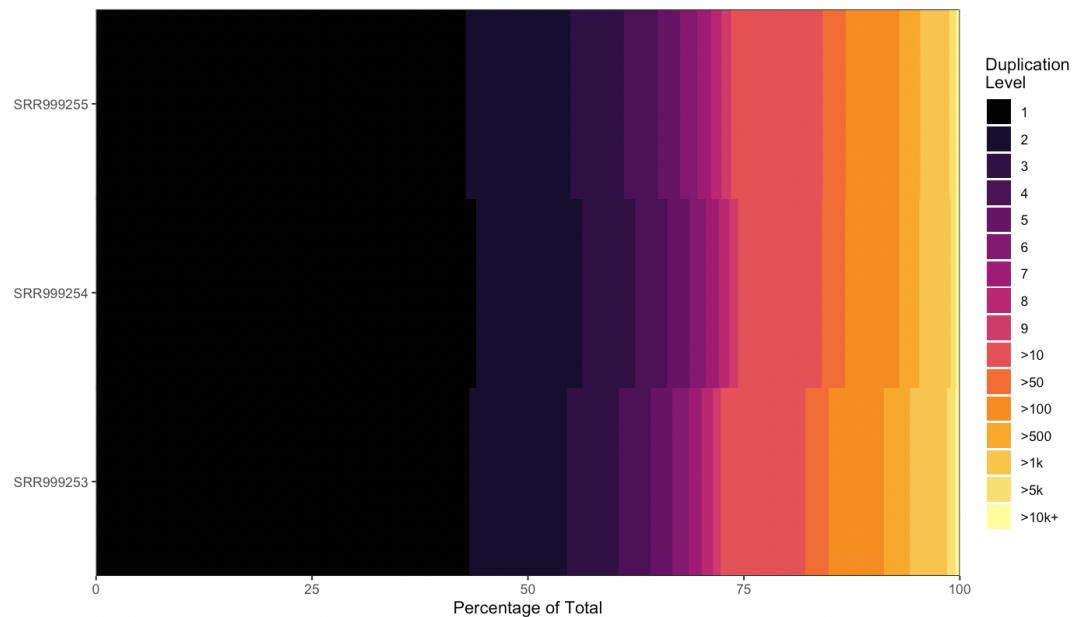
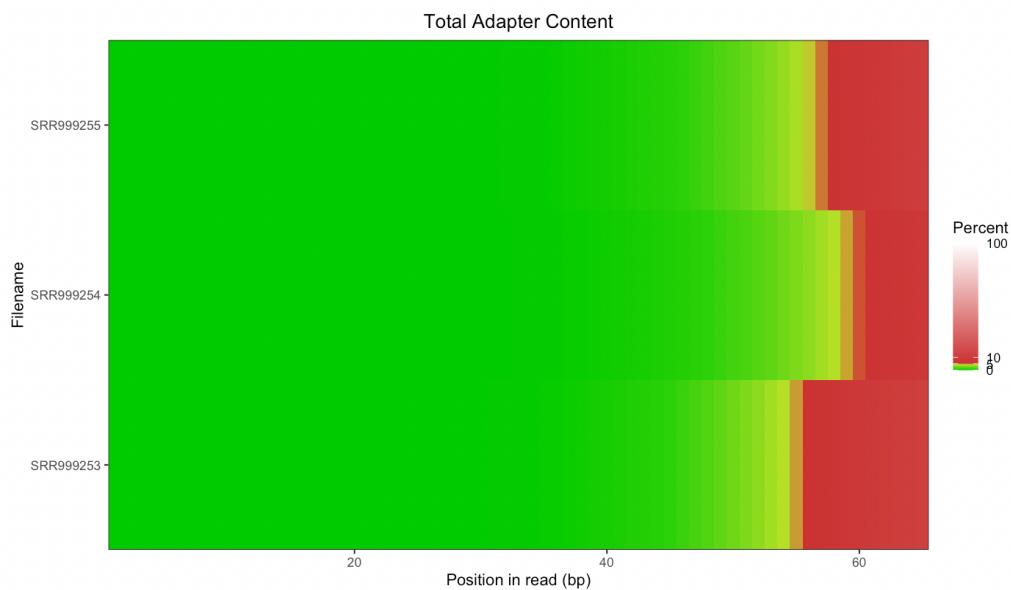


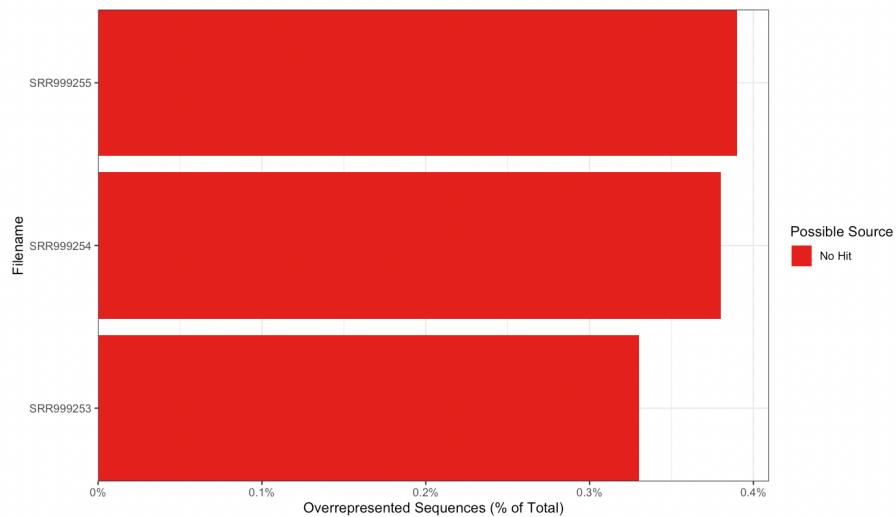
Fig 2.8: Sequence Duplication (Multi-QC)

**Type of Multi-QC Plot**

Adapter Content

*Fig 2.9: Adapter Content (Multi-QC)***Type of Multi-QC Plot**

Overrepresented Sequences ▾

*Fig 2.10: Overrepresented Sequences (Multi-QC)*

4. Single-qc: Select the fastq file from the sample to view sample statistics, then select from the dropdown single-qc plot type.

Select FASTQ Sample



About FASTQC    Multi-QC    Single-QC

Select FASTQC File

Type of Single-QC Plot

SRR999253

Select fastq file from the sample

Fig 2.11: Select individual fastq file

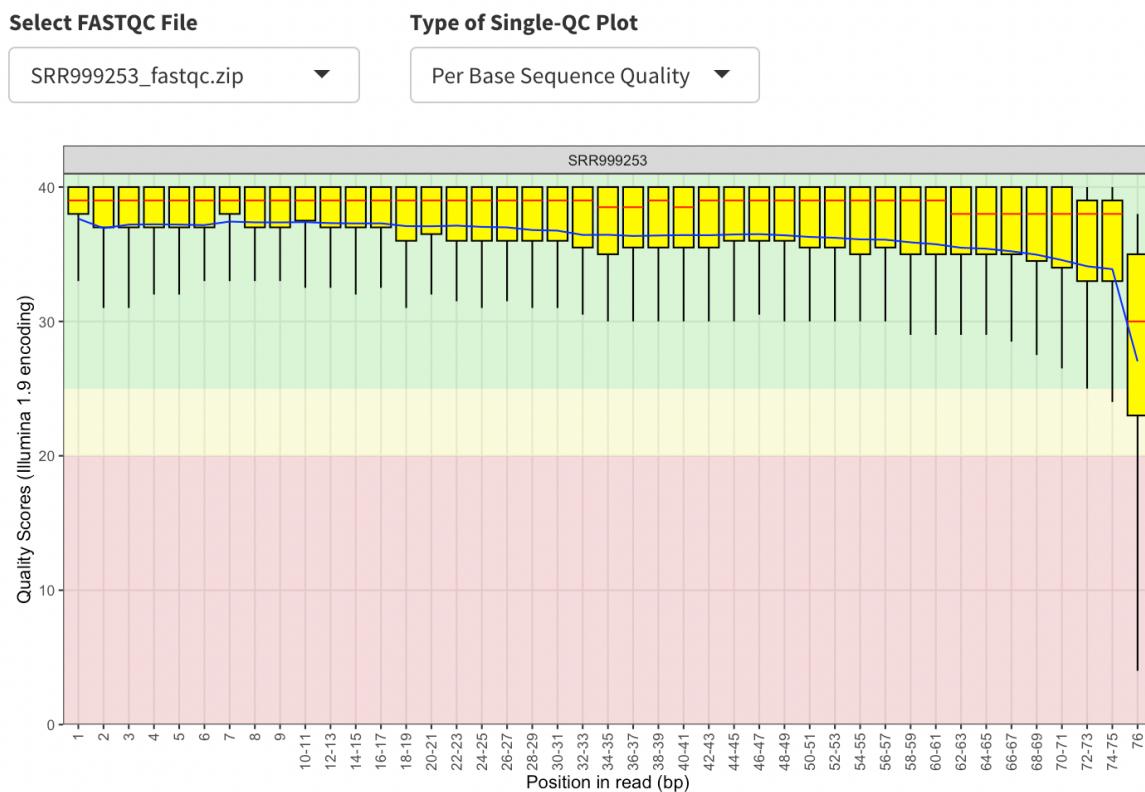


Fig 2.12: Per Sequence Base Quality (Single-QC)

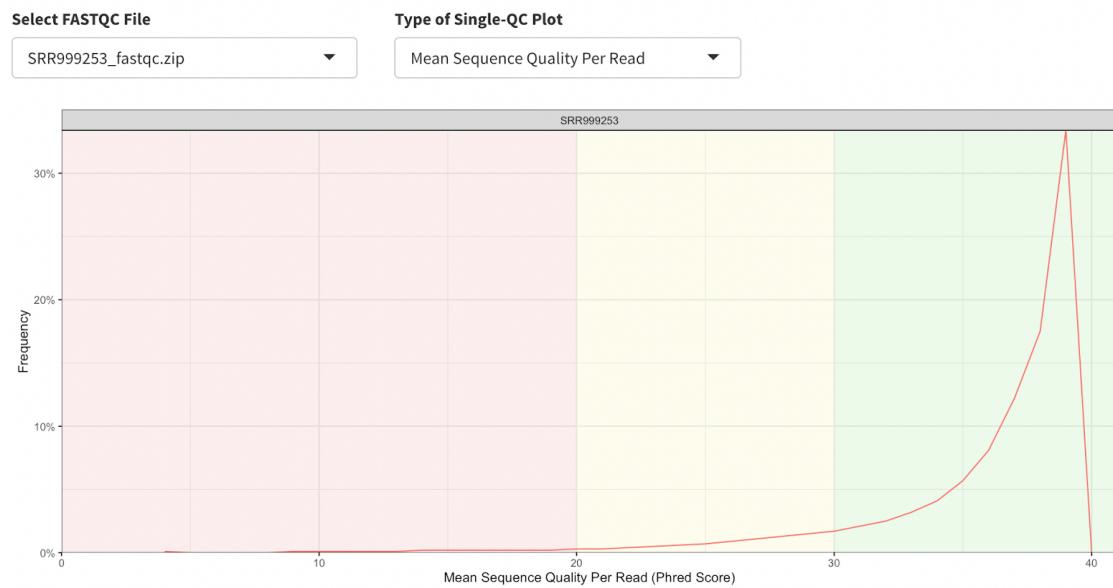


Fig 2.13: Mean Sequence Quality (Single-QC)

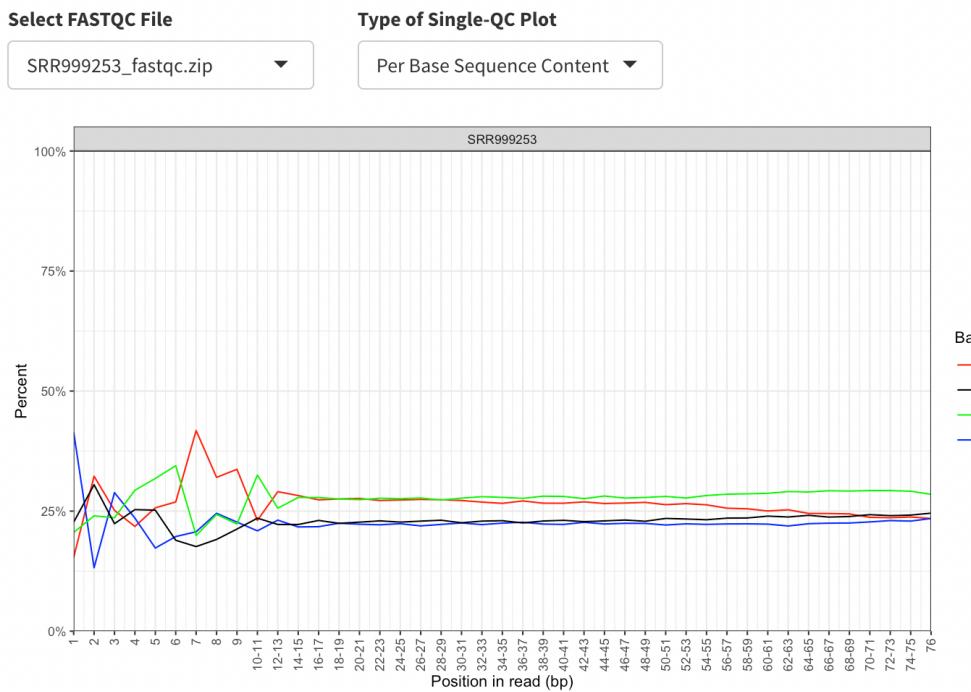


Fig 2.14: Per Base Sequence Content (Single-QC)

Select FASTQC File

Type of Single-QC Plot

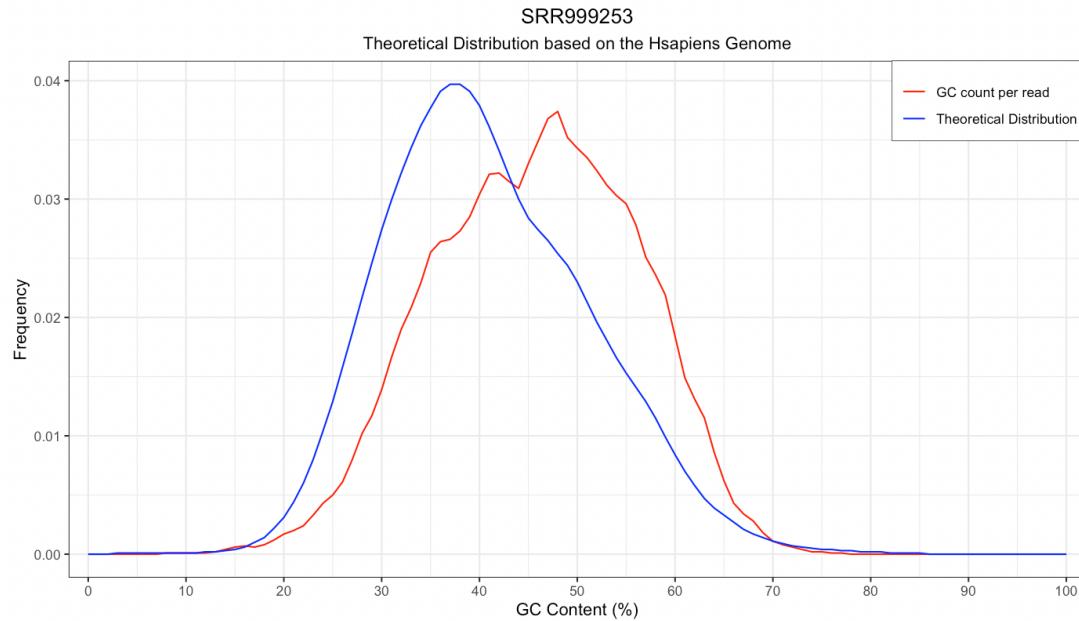


Fig 2.15: GC Content (Single-QC)

Select FASTQC File

Type of Single-QC Plot

No N Content in Sequences

Fig 2.16: N Content (Single-QC)

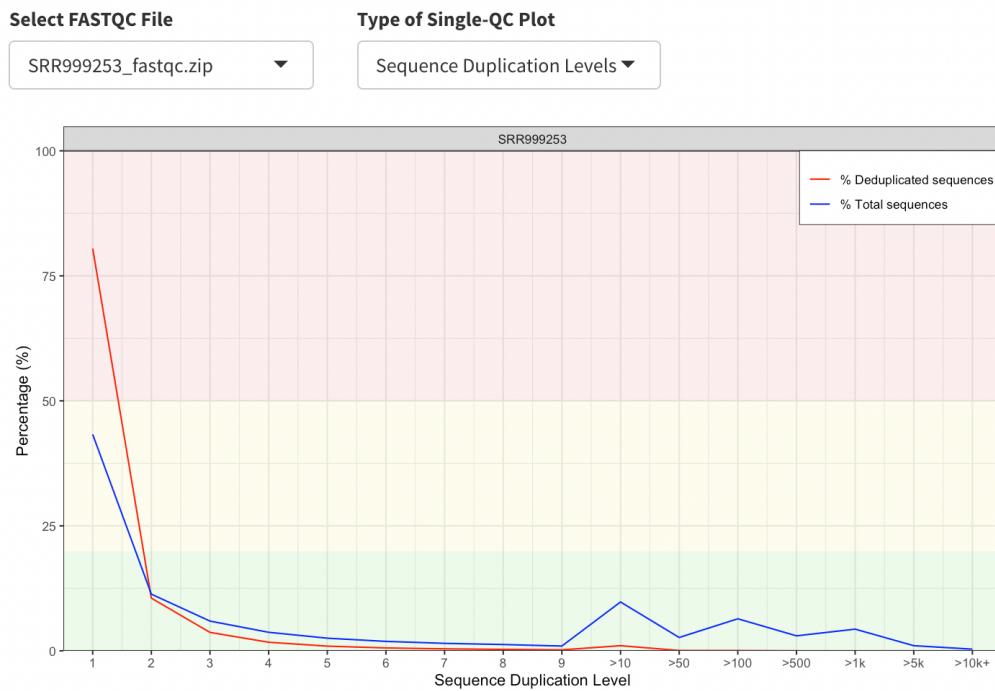


Fig 2.17: Sequence Duplication (Single-QC)

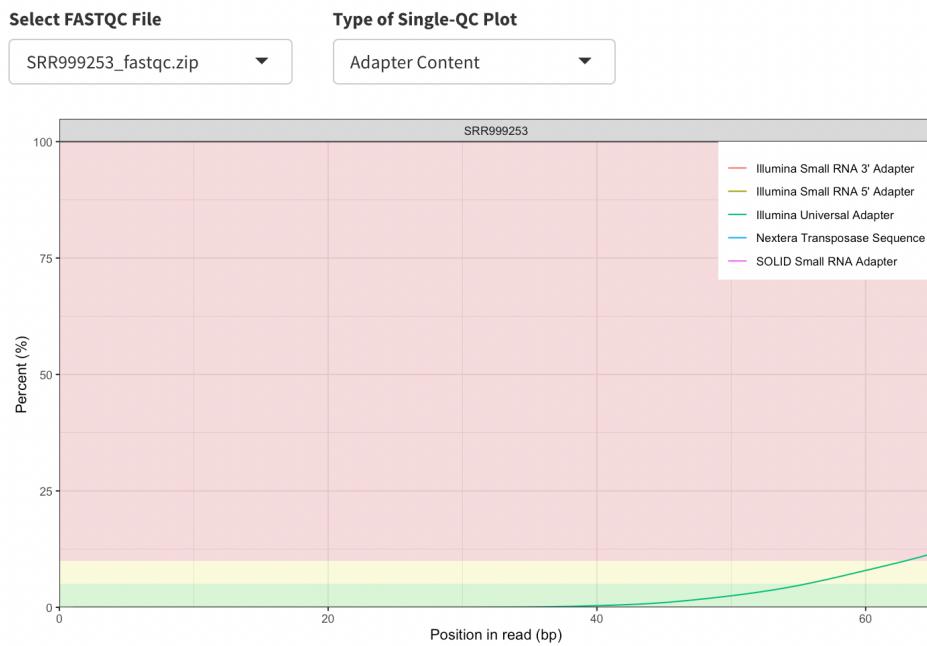


Fig 2.18: Adapter Content (Single-QC)

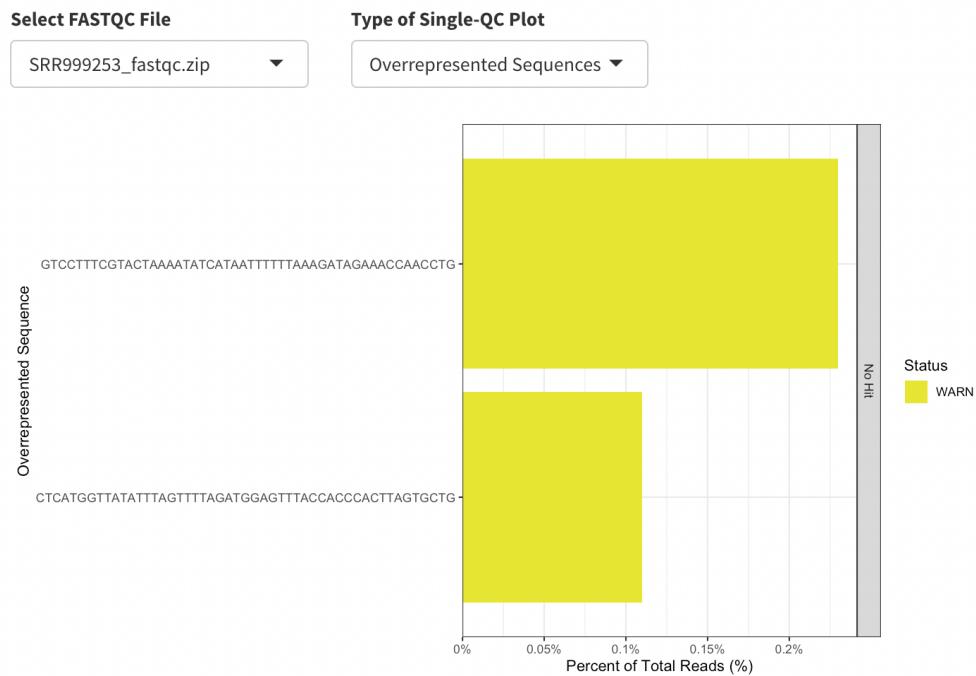


Fig 2.19: Overrepresented Sequences (Single-QC)