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

This report has been generated by the nf-core/viralrecon analysis pipeline. For information about how to interpret these results, please see the documentation.

Report generated on 2026-06-25, 21:08 CEST based on data in: /scratch/data/nf-core/viralrecon/2.6.0/results

Warnings: Can not write to tmp dir (/scratch/data/nf-core/viralrecon/2.6.0/results/multiqc/multiqc_data/tmp): [Errno 2] No such file or directory: '/scratch/data/nf-core/viralrecon/2.6.0/results/multiqc/multiqc_data/tmp'

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nf-core/viralrecon Workflow Summary

General Statistics

Showing 12 rows and 10 columns.

Sample Name	Percent Assigned	Library Size	Aligned	Duplicates	% of Total	% Dups	% Aligned	Aligned Bp	Aligned Reads	% Aligned	Total
SAMPLE_ONE_MUT	0.00%	0.00	0.0	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.0%	0.00
SAMPLE_UNASSIGNED_MUT	0.00%	0.00	0.0	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.0%	0.00
SAMPLE_UNASSIGNED_WILD	0.00%	0.00	0.0	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.0%	0.00
SAMPLE_WILD	0.00%	0.00	0.0	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.0%	0.00
WT_MUT1	0.00%	0.00	0.0	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.0%	0.00
WT_WILD	0.00%	0.00	0.0	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.0%	0.00

Bioinformatics Utility

Strandedness checks

Estimate the strandedness of the sequencing library using the tools infer_experiment.py (RSeQC) and Salmon quasi (Salmon).

Strandedness: inference summary

Summary of the strandedness inferred by the tools. For RSeQC, the percentage of reads from the sense and antisense transcript reported. For Salmon, the percentage of reads that were consistent with the library being unstranded, forward-stranded or reverse-stranded. Salmon is executed in both mapping-based and alignment-based modes. Per-component Salmon / Kallisto (Alignment) results are not shown.

Showing 12 rows and 5 columns.

Sample Name	Provided	Salmon Inferred	Salmon %	RSeQC Inferred	RSeQC %
SAMPLE_ONE_MUT					
SAMPLE_UNASSIGNED_MUT					
SAMPLE_UNASSIGNED_WILD					
SAMPLE_WILD					
WT_MUT1					
WT_WILD					

Strandedness: read composition

Percentage of reads that were unstranded, antisense and sense transcript as per salmon. When both Salmon and RSeQC inferred strandedness, use the forward salmon value as the key to plot.

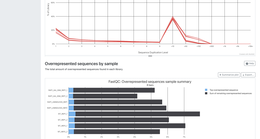


FastQC (raw)

This section of the report shows FastQC results before adapter trimming. http://www.bioinformatics.babraham.ac.uk/projects/fastqc/

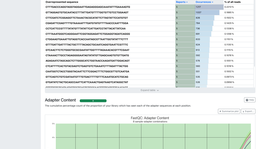
Sequence Counts

Measures counts for each sample. Duplicate read counts are an estimate only.



Sequence Quality Histograms

The mean quality value across each base position in the read.



Per Sequence Quality Scores

The number of reads with average quality scores. Shows if a subset of reads has poor quality.

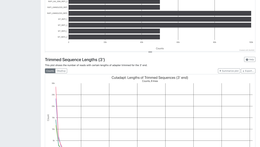


Per Base Sequence Content

The proportion of each base position for which one of the four normal DNA bases has been called.

Click a sample row to see a line plot for that dataset.

Rollover for sample name



Per Sequence GC Content

The average GC content of each. Normal random library typically has a roughly normal distribution of GC content.



Per Base N Content

The percentage of base calls at each position for which an N was called.



Sequence Length Distribution

All samples have sequences of a single length (150bp).

Sequence Duplication Levels

The relative level of duplication found for every sequence.



Overrepresented sequences by sample

The total amount of overrepresented sequences found in each library.



Top overrepresented sequences

Top overrepresented sequences across all samples. The table shows (i) how many samples have this sequence listed as overrepresented, (ii) the number of samples they occur in (iii) the total number of times it was observed and (iv) the source if it was found in a known contaminant list. Warning: This can be slow for large numbers of samples.

Showing 20 rows and 4 columns.

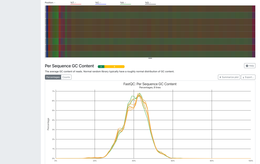
Overrepresented sequence	Appears in	Total percent	% of all reads
GTTAAGTTGGATGATGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTAAGTTGGATGATGTGTTGATTACATTTGGTTTGTTGTTGTGTGTGGTTTTACTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%
GTTGGATGTGGGGTTGTGTGGTTTTACTGTGAGGGGGGGGGGGGTTTTTACACATTG	1	0.01%	0.001%

Adapter Content

The cumulative percentage count of the proportion of your library which has seen each of the adapter sequences at each position.

Status Checks

Status check heatmap. Red: failed, Amber: warning, Green: passed, Grey: not run. Hover for more info. Click to view a sample.



Cutadapt

Trimming statistics by cutadapt. Sequences, primers, poly-A tails, and other types of unwanted sequence. https://cutadapt.readthedocs.io/ DOI: 10.14806/ej.17.1.200

Filtered Reads

The plot shows the number of reads (BP), pairs (RP), removed by Cutadapt.

Trimmed Sequence Lengths (3')

Histogram of the number of trimmed bases at the 3' end of reads, trimmed by the 3' end.

FastQC (trimmed)

This section of the report shows FastQC results after adapter trimming. http://www.bioinformatics.babraham.ac.uk/projects/fastqc/

Sequence Counts

Measures counts for each sample. Duplicate read counts are an estimate only.



Sequence Quality Histograms

The mean quality value across each base position in the read.



Per Sequence Quality Scores

The number of reads with average quality scores. Shows if a subset of reads has poor quality.

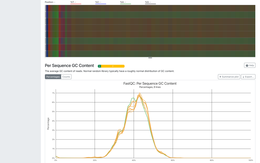


Per Base Sequence Content

The proportion of each base position for which one of the four normal DNA bases has been called.

Click a sample row to see a line plot for that dataset.

Rollover for sample name



Per Sequence GC Content

The average GC content of each. Normal random library typically has a roughly normal distribution of GC content.

Per Base N Content

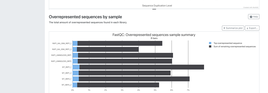
The percentage of base calls at each position for which an N was called.

Sequence Length Distribution

The distribution of fragment sizes (read lengths) found. Note that this is only for the cluster...

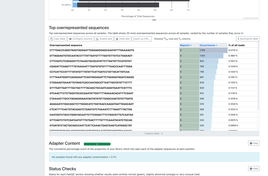
Sequence Duplication Levels

The relative level of duplication found for every sequence.



Overrepresented sequences by sample

The total amount of overrepresented sequences found in each library.



Top overrepresented sequences

The top overrepresented sequences across all samples. The table shows (i) most overrepresented sequences across all samples, ranked by the number of samples they occur in.

Copy Table | Column visibility | Scatter plot | Export | Export as CSV | Showing 10 rows and 10 columns. Search:

Overrepresented sequence	Source	Percentage of reads	% of all reads
GTTTAAGCAGACTAGATTAGAGCTTAAAGAGAAGCAAAGTTTTAAAAATA	No Hit	1.048	0.087%
ATTAAAAATAGCAAAGAAGCTTTATTAGATGTTTTATAGCTTGGATGAT	No Hit	1.024	0.085%
GTTGAATTCCAAGAAATTTCTAAAGAGCAAGTTTTATTAGATGTTGATGAT	No Hit	0.963	0.080%
ATTAAAAATAGCAAAGAAGCTTTATTAGATGTTTTATAGCTTGGATGAT	No Hit	0.951	0.079%
GTTGATTTGGATTTGGATTTGGATTTGGATTTGGATTTGGATTTGGATT	No Hit	0.941	0.078%
GTTTAAGTAAAGTCAAGAAAAGTTGGATTAAAGAAGTTTATAGGATTGAAGAG	No Hit	0.941	0.078%
GTTGAATTCCAAGAAATTTCTAAAGAGCAAGTTTTATTAGATGTTGATGAT	No Hit	0.929	0.077%
ATTAAAAATTTAGAAAAAGAAGCTAAAGAAGTTTTAAAAGAAAAGTTTGATGATA	No Hit	0.917	0.076%
AGAAGAATTTAGAAGCTCTTAGAGATCTATTAAAGAAAAGATTTGATAGAT	No Hit	0.905	0.075%
ATTAAAAATTTAGAAAAAGAAGCTAAAGAAGTTTTAAAAGAAAAGTTTGATGATA	No Hit	0.893	0.074%

Showing 1 to 10 of 10 entries. Previous | 1 | Next

Adapter Content

The cumulative percentage count of the proportion of your library which has seen each of the adapter sequences at each position.

No adapters found within any adapter contamination > 0.1%.

Status Checks

Status for each FastQC section showing whether results seem entirely normal (green), slightly abnormal (orange) or very unusual (red).

Overall Status | Columns



BBTools

Kmer counting, assembly, alignment, and statistics tools for DNA/RNA sequencing reads. https://jgi.doe.gov/data-and-tools/bbtools/

BBSplit alignment statistics

Statistics on how many reads mapped to which reference genome.

Copy Table | Column visibility | Scatter plot | Export | Export as CSV | Showing 1 to 6 of 6 entries. Search:

Sample Name	human % mapping	human # mapping	primary % mapping
MAP1_HN_DNA_MAP1	0.0%	0.0%	100.0%
MAP1_UNMAPPED_MAP1			0.0%
MAP1_UNMAPPED_MAP1			0.0%
MT_MAP1	0.0%	0.0%	100.0%
MT_MAP1	0.0%	0.0%	100.0%

Previous | 1 | Next



BBSplit Statistics

Statistics on how many reads mapped to which reference genome.

Copy Table | Column visibility | Scatter plot | Export | Export as CSV | Showing 1 to 6 of 6 entries. Search:

Sample Name	human % mapping	human # mapping	primary % mapping
MAP1_HN_DNA_MAP1	0.0%	0.0%	100.0%
MAP1_UNMAPPED_MAP1			0.0%
MAP1_UNMAPPED_MAP1			0.0%
MT_MAP1	0.0%	0.0%	100.0%
MT_MAP1	0.0%	0.0%	100.0%

Previous | 1 | Next

FastQC (filtered)

This section of the report shows FastQC results after a preprocessor removal (BBSplit) and/or Trimmomatic filter removal. https://bioconda.github.io/recipes/fastqc/README.html

Sequence Counts

Sequence counts for each sample. Duplicate read counts are an estimate only.

Copy | Column visibility | Scatter plot | Export | Export as CSV | Search:



Sequence Quality Histograms

The mean quality value across each base position in the read.



Per Sequence Quality Scores

The number of reads with average quality scores. Shows if a subset of reads has poor quality.

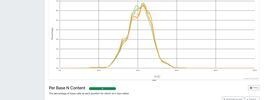


Per Base Sequence Content

The proportion of each base position for which each of the four normal DNA bases has been called.

Click a sample name to toggle on/off.

Reference: No reference sample selected.



Per Sequence GC Content

The average GC content of reads. Normal random library typically have a roughly normal distribution of GC content.

Theoretical Distribution



Per Base N Content

The percentage of base calls at each position for which an N was called.



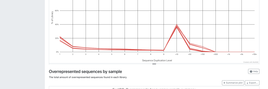
Sequence Length Distribution

The distribution of fragment sizes (read lengths) found. See the FastQC help.



Sequence Duplication Levels

The relative level of duplication found for every sequence.



Overrepresented sequences by sample

The total amount of overrepresented sequences found in each library.



Top overrepresented sequences

The overrepresented sequences across all samples. The table shows (i) most overrepresented sequences across all samples, ranked by the number of samples they occur in.

Copy Table | Column visibility | Scatter plot | Export | Export as CSV | Showing 1 to 10 of 10 entries. Search:

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ATTAAAAATAGCAAAGAAGCTTTATTAGATGTTTTATAGCTTGGATGAT	No Hit	1.024	0.085%
GTTGAATTCCAAGAAATTTCTAAAGAGCAAGTTTTATTAGATGTTGATGAT	No Hit	0.963	0.080%
ATTAAAAATAGCAAAGAAGCTTTATTAGATGTTTTATAGCTTGGATGAT	No Hit	0.951	0.079%
GTTGATTTGGATTTGGATTTGGATTTGGATTTGGATTTGGATTTGGATT	No Hit	0.941	0.078%
GTTTAAGTAAAGTCAAGAAAAGTTGGATTAAAGAAGTTTATAGGATTGAAGAG	No Hit	0.941	0.078%
GTTGAATTCCAAGAAATTTCTAAAGAGCAAGTTTTATTAGATGTTGATGAT	No Hit	0.929	0.077%
ATTAAAAATTTAGAAAAAGAAGCTAAAGAAGTTTTAAAAGAAAAGTTTGATGATA	No Hit	0.917	0.076%
AGAAGAATTTAGAAGCTCTTAGAGATCTATTAAAGAAAAGATTTGATAGAT	No Hit	0.905	0.075%
ATTAAAAATTTAGAAAAAGAAGCTAAAGAAGTTTTAAAAGAAAAGTTTGATGATA	No Hit	0.893	0.074%

Showing 1 to 10 of 10 entries. Previous | 1 | Next

Adapter Content

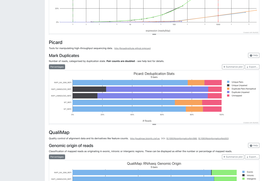
The cumulative percentage count of the proportion of your library which has seen each of the adapter sequences at each position.

No adapters found within any adapter contamination > 0.1%.

Status Checks

Status for each FastQC section showing whether results seem entirely normal (green), slightly abnormal (orange) or very unusual (red).

Overall Status | Columns



DupRadar

DupRadar provides duplication rate quality control for RNA-Seq datasets. Highly expressed genes can be expected to have a lot of duplicate reads, but high numbers of duplicates at low read counts may indicate a problem with low complexity libraries or technical artefacts. The plot shows the duplication rate (= 1 - number of the gene duplicated / number of the gene sequenced). https://bioconductor.org/packages/release/bioc/html/dupRadar.html



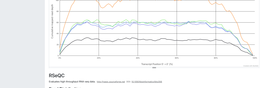
Picard

Picard is a collection of Java tools for analysis of sequencing data. https://broadinstitute.github.io/picard/

Mark Duplicates

Picard's MarkDuplicates categorizes by duplication status. Bar counts are absolute - not the fraction. Metrics.

Percent Duplication



QualiMap

QualiMap examines sequencing alignment data and the derivations like feature counts. https://bitbucket.org/kokonech/qualimap-bin/ DOI: 10.1093/bioinformatics/btv566

Genomic origin of reads

QualiMap 2 compares reads originating in exonic, intronic or intergenic regions. These can be displayed as either the number or percentage of mapped reads.

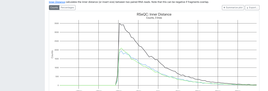
Percentage of Reads | Number of Reads



Gene Coverage Profile

Gene coverage profile of 5' and 3' bias based upon the length of all mapped transcripts.

Percentage of Reports | Number of Reports

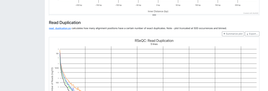


RSeQC

A modular tool developed RNA-seq data. http://rseqc.sourceforge.net/ DOI: 10.2202/1944-6190.1003

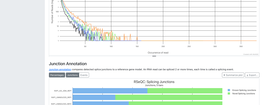
Read Distribution

Read Distribution calculates how mapped reads are distributed over genomic features.



Inner Distance

Inner Distance calculates the inner distance (or insert size) between two paired RNA reads. Note that this can be negative if fragments overlap.



Read Duplication

read_duplication.py calculates how many alignment positions have a certain number of reads (duplicates). Both - plot truncated at 500 occurrences and Overall.



Junction Annotation

junction_annotation.py compares detected splice junctions to reference gene model. Both - plot truncated at 500 occurrences and Overall.

Pie Chart | Bar Plot | Export

Junction Saturation

junction_saturation.py examines a number of known splicing junctions that are observed in each dataset. If sequencing depth is sufficient, all commonly used splicing junctions should be

Plot Settings
Download plot
Export
RSeQC Junction Saturation
All Junctions, 5 Rows
Percent of Known Junctions
Number of Junctions
Infer experiment
Infer experiment counts the percentage of reads and read pairs that match the strandedness of overlapping transcripts. It can be used to infer whether RNA-seq library preps are strand-specific or unstranded.
RSeQC: Infer experiment
Sample
Percentage
Sense
Antisense
Undetermined
% Tags
Bam Stat
All mapped sequences in millions.
RSeQC: Bam Stat
Total
Mapped
Multiple Mapped
Duplicates
Unmapped
Non Primary Hits
Low MAPQ
Non Unique
Read Failed
Non Splice Reads
Splice Reads
Proper Pairs
Proper Pair Reads
Both Mates Unmapped
Singletons
Mate Mapped to Different Chr
Mate Mapped to Different Chr (mapQ>=5)
Read Pairs
Samtools
Counts for interacting with BAM/SAM files. http://www.htslib.org/ DOI: 10.1093/bioinformatics/btp352
Percent mapped
Percent mapped reads for each sample, ordered by mapped vs. unmapped reads or, newly mapped with MQC
Samtools: stats: Alignment Scores
Reads
Percent mapped with MQ >= 10
Percent mapped
Unmapped
Alignment stats
The number passed after the subject flash samtools_stats. All numbers in millions.
Samtools: stats: Alignment Stats
In millions
Alignment stats
The number passed after the subject flash samtools_flagstat.
Samtools: flagstat: read count
In millions
Flagstat
The number passed after the subject flash samtools_flagstat.
Samtools: flagstat: percentage of total
In percent
Summary Statistics
Summary statistics for each file STAR alignment.
Showing 5 rows and 7 columns.
Sample Name
Total reads
Aligned
Uniq aligned
Mult. mapped
Unmapped: other
Chimeric
Alignment Scores
STAR: Alignment Scores
Uniquely mapped
Mapped to multiple loci
Mapped to too many loci
Unmapped: too many mismatches
Unmapped: too short
Unmapped: other
% Reads
RSEM
Estimated gene and isoform expression levels from RNA-Seq data. https://deweylab.github.io/RSEM/ DOI: 10.1186/1471-2105-12-323
Mapped Reads
Percentage of total reads and reads aligned for each sample.
RSEM: Mapped reads
Aligned (multiple hits)
Aligned (unique hits)
Unaligned (multiple hits)
Unaligned (no hits)
Unaligned (unique hits)
Multimapping rates
A frequency histogram showing how many reads were aligned to n reference regions.
RSEM: Multimapping Rates
Number of alignments
Salmon
Quantifier expression of transcripts using RNA-seq data. https://github.com/COMBINE-lab/salmon DOI: 10.1038/nmeth.4197
Salmon: Fragment Length Distribution
Fragment Length Bin
Sample relationships
Plots investigating sample similarities, based on four count matrices.
STAR_RSEM DESeq2 sample similarity
Euclidean distance matrix for DESeq2 dispersion transform. DESeq2 log values for each sample in the assay() matrix.
DESeq2: Heatmap of the sample-to-sample distances
STAR_RSEM DESeq2 PCA plot
PCA plot between samples in the experiment. Three values are calculated using DESeq2's plotPCA() and assay() matrix.
DESeq2: Principal component plot
PC1
PC2
SALMON DESeq2 sample similarity
Euclidean distance matrix for DESeq2 dispersion transform. DESeq2 log values for each sample in the assay() matrix.
DESeq2: Heatmap of the sample-to-sample distances
SALMON DESeq2 PCA plot
PCA plot between samples in the experiment. Three values are calculated using DESeq2's plotPCA() and assay() matrix.
DESeq2: Principal component plot
PC1
PC2
Biotype Counts
Biotype Counts shows reads overlapping genomic features of different biotypes, counted by featureCounts.
featureCounts Biotypes
Counts
rRNA
rRNA (mitochondrial)
tRNA
tRNA (mitochondrial)
mRNA
mRNA (mitochondrial)
Software Versions
Software Versions lists versions of software tools extracted from file contents.
Software Versions
Group
Software
Version
Software Versions
Workflow Versions lists versions of workflow tools extracted from file contents.
Workflow Versions
Group
Software
Version
nf-core/rnaseq Methods Description
Suggested text and references to use when describing pipeline usage within the context of this analysis.
Methods
Data was processed using nf-core/rnaseq v3.10.1 (Ewels et al., 2020) using reproducible software environments from the Bioconda (Grüning et al., 2018) and Biocontainers (da Veiga Leprevost et al., 2017) projects.
The pipeline was executed with Nextflow v22.10.1 (Di Tommaso et al., 2017) with the following command:
nextflow run nf-core/rnaseq -r 3.10.1 -profile docker -params-file params.config -resume
References

- Ewels, P. A., Peltzer, A., Fillinger, S., Patel, H., Alneberg, J., Wilm, A., Garcia, M. U., Di Tommaso, P., & Nahnsen, S. (2020). The nf-core framework for community-curated bioinformatics pipelines. Nature Biotechnology, 38(3), 276-278. doi: 10.1038/s41587-020-0439-x
- Grüning, B., Dale, R., Sjödin, A., Chapman, B. A., Rowe, J., Tomkins-Tinch, C. H., Valieris, R., Köster, J., & Bioconda Team. (2018). Bioconda: sustainable and comprehensive software distribution for the life sciences. Nature Methods, 15(7), 475–476. doi: 10.1038/s41592-018-0046-7
- da Veiga Leprevost, F., Grüning, B. A., Alves Aflitos, S., Röst, H. L., Uszkoreit, J., Barsnes, H., Vaudel, M., Moreno, P., Gatto, L., Weber, J., Bai, M., Jimenez, R. C., Sachsenberg, T., Pfeuffer, J., Vera Alvarez, R., Griss, J., Nesvizhskii, A. I., & Perez-Riverol, Y. (2017). BioContainers: an open-source and community-driven framework for software standardization. Bioinformatics (Oxford, England), 33(16), 2580–2582. doi: 10.1093/bioinformatics/btx192

Notes:

- The command above does not include parameters contained in any configs or profiles that may have been used. Ensure the config file is also uploaded with your publication!
- You should also cite all software used within this run. Check the "Software Versions" of this report to get version information.

nf-core/rnaseq Workflow Summary

- this information is collected when the pipeline is started. https://github.com/nf-core/rnaseq

Input/output options

input
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/samplesheet/v3.10/samplesheet_test.csv`

outdir
`rnaseq_star_rsem_test_output`

Reference genome options

additional_fasta
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/reference/gfp.fa.gz`

fasta
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/reference/genome.fasta`

gff
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/reference/genes.gff.gz`

gtf
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/reference/genes_with_empty_tid.gtf.gz`

hisat2_index
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/reference/hisat2.tar.gz`

salmon_index
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/reference/salmon.tar.gz`

transcript_fasta
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/reference/transcriptome.fasta`

Read filtering options

bbsplit_fasta_list
`https://raw.githubusercontent.com/nf-core/test-datasets/626c8fab639062eade4b10747e919341cbf9b41a/reference/bbsplit_fasta_list.txt`

UMI options

umi_discard_read
`0`

umitools_bc_pattern
`NNNN`

Alignment options

aligner
`star_rsem`

pseudo_aligner
`salmon`

Quality Control

kraken_db
`https://raw.githubusercontent.com/nf-core/test-datasets/eb0cbf73c3f103f8aeda9878ba200e92b4d045d8/data/genomics/sarscov2/genome/db/kraken2.tar.gz`

Process skipping options

skip_bbsplit
`false`

Institutional config options

config_profile_contact
`/Teresa Shippy (tshippy@ksu.edu)`

config_profile_description
`Beocat at Kansas State University cluster profile provided by nf-core/configs.`

config_profile_name
`Test profile`

Generic options

trace_report_suffix
`2026-08-25_21-15-59`

Core Nextflow options

configFiles
`/homes/tshippy/.nextflow/assets/.repos/nf-core/rnaseq/clones/e7ca46272c8f9d5ceee3f71759f4ba551d3217a4/nextflow.config,`
`/bulk/bioinfo/Nextflow_demos/beocat_rnaseq.config`

container
`[.*PARABRICKS_STARGENOMEGENERATE:community.wave.seqera.io/library/htslib_samtools_star_gawk:4de2f983041d42e6]`

containerEngine
`singularity`

launchDir
`/bulk/bioinfo/Nextflow_demos`

profile
`test,singularity`

projectDir
`/homes/tshippy/.nextflow/assets/.repos/nf-core/rnaseq/clones/e7ca46272c8f9d5ceee3f71759f4ba551d3217a4`

revision
`master`

runName
`friendly_fermat`

userName
`tshippy`

workDir
`/bulk/bioinfo/Nextflow_demos/work`