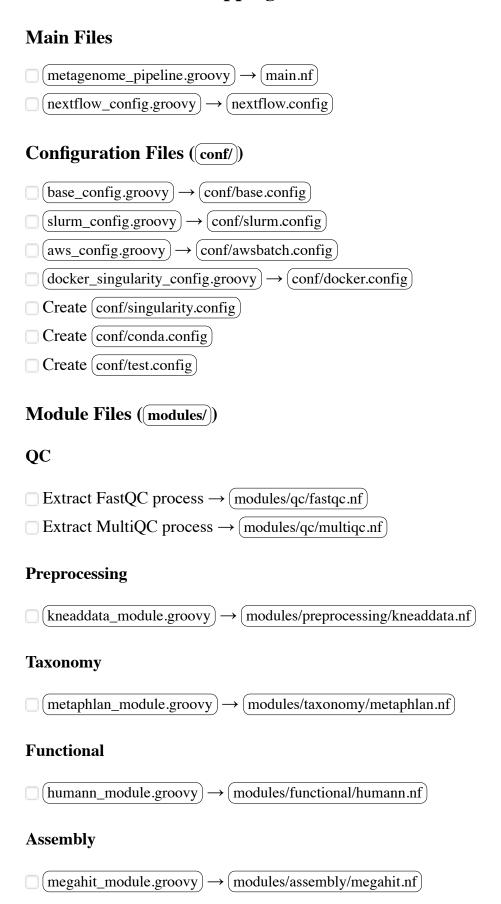
Repository Setup Checklist

Use this checklist to ensure all files are properly organized before pushing to GitHub.

Downloaded Files Mapping



\square Extract SPAdes process \rightarrow \bigcirc modules/assembly/spades.nf
\square Extract filter_contigs \rightarrow $\boxed{\text{modules/assembly/filter_contigs.nf}}$
Annotation
Extract from (annotation_modules.groovy):
modules/annotation/prodigal.nf
modules/annotation/kegg.nf
modules/annotation/cazy.nf
modules/annotation/ardb.nf
Mapping
Extract from mapping_modules.groovy:
modules/mapping/bwa.nf
modules/mapping/bowtie2.nf
modules/mapping/samtools.nf
Binning
Extract from binning_modules.groovy:
modules/binning/metabat2.nf
modules/binning/maxbin2.nf
modules/binning/concoct.nf
modules/binning/dastool.nf
modules/binning/checkm.nf
Clustering
Growth
Bin Scripts (bin/)
Create bin/filter_bins_quality.py
Create bin/parse_kegg_results.py
Create bin/parse_cazy_results.py
Create bin/summarize_taxonomy.R
☐ Create (bin/summarize_functions.R)

Create (bin/plot_growth_rates.R)
Create (bin/merge_metaphlan_tables.py)
☐ Make all scripts executable (chmod +x bin/*)
Scripts (scripts/)
Create (scripts/setup_databases.sh)
Create (scripts/validate_installation.sh)
Create (scripts/generate_samplesheet.py)
Create (scripts/clean_workdir.sh)
Create (scripts/download_test_data.sh)
Make all scripts executable (chmod +x scripts/*)
_ name an early a checkment ((chines in saripus))
Assets (assets/)
Create (assets/samplesheet_schema.json)
Create (assets/multiqc_config.yaml)
Optional: Add (assets/logo.png)
Documentation (docs/)
Documentation (docs/) Create (docs/usage.md)
Create docs/usage.md
Create docs/usage.md Create docs/output.md
Create docs/usage.md Create docs/output.md Create docs/parameters.md
Create docs/usage.md Create docs/output.md Create docs/parameters.md Create docs/troubleshooting.md
Create docs/usage.md Create docs/output.md Create docs/parameters.md Create docs/troubleshooting.md Create docs/databases.md
Create docs/usage.md Create docs/output.md Create docs/parameters.md Create docs/troubleshooting.md Create docs/databases.md Create docs/containers.md
Create docs/usage.md Create docs/output.md Create docs/parameters.md Create docs/troubleshooting.md Create docs/databases.md Create docs/containers.md Create docs/citation.md Root Documentation
 Create docs/usage.md Create docs/output.md Create docs/parameters.md Create docs/troubleshooting.md Create docs/databases.md Create docs/containers.md Create docs/citation.md Root Documentation readme_file.txt → README.md
 Create docs/usage.md Create docs/output.md Create docs/parameters.md Create docs/troubleshooting.md Create docs/databases.md Create docs/containers.md Create docs/citation.md Root Documentation readme_file.txt → README.md setup_guide.txt → SETUP.md
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Test Files (test/)

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Create (test/README.md)

Add (.gitkeep) to