```
output_directory
aligned reads
    <reference_id>--<sample_id>.formatted.bam
                                                                       : Filtered read alignments
   - <reference_id>--<sample_id>.formatted.MarkDuplicates.metrics.txt : MarkDuplicates output
annotations
  - <method>
                                                                        : EMBL annotations
       - <sample_id>.embl
       - <sample_id>.faa
                                                                        : CDS protein sequences
      - <sample id>.ffn
                                                                        : Feature nucleotide sequences
       - <sample_id>.fna
                                                                        : Annotation DNA sequences
       - <sample_id>.gbff
                                                                       : Genome annotations (gbff)
       - <sample_id>.gff3
                                                                        : Genome annotations (gff3)
       - <sample_id>.hypotheticals.faa
                                                                        : Hypothetical protein sequences
        <sample_id>.hypotheticals.tsv
                                                                        : Hypothetical protein information
       - <sample_id>.tsv
                                                                        : Protein information
assemblies
    flye
        <sample_id>.assembly_graph.gfa.gz
                                                                       : Assembly graphs
       - <sample_id>.assembly_graph.gv.gz
                                                                        : Assembly graph visualizations
       - <sample_id>.assembly.fasta.gz
                                                                        : Genome assemblies
     spades
       - <sample_id>.assembly.gfa.gz
                                                                       : Assembly graphs
      - <sample_id>.scaffolds.fa.gz
                                                                        : Genome assemblies
busco
                                                                       : BUSCO output
   - <sample_id>--<database>-busco
   - <sample_id>--<database>-busco.batch_summary.txt
                                                                        : BUSCO summary statistics
downloads
    annotations
     <reference_id>.gff.gz
                                                                        : Downloaded annotations
    assemblies
       - <reference_id>.fasta.gz
                                                                        : Downloaded assemblies
    reads
                                                                        : Downloaded reads
       - <reference_id>_<orientation>.fastq.gz
fastp
 <sample_id>.fastp.html
                                                                        : Read trimming reports
metadata
   reference_metadata.tsv
                                                                        : Reference metadata
   sample_metadata.tsv
                                                                        : Sample metadata
pipeline_info
   - execution_report_<date>.html
                                                                        : Pipeline execution statistics
   messages.tsv
                                                                        : Pipeline messages
pirate
                                                                        : Gene orthology analysis
   - <report_id>_results
pocp
    <report_id>_pocp.tsv
                                                                        : Conserved protein percentages
quality_control
   - fastqc
     : Read quality reports
    multiqc
       - <report_id>_multiqc
         ___multiqc_report.html
                                                                        : Combined quality control report
    nanoplot
     <sample_id>_nanoplot-report.html
                                                                        : Nanopore read quality reports
     quast
        <sample_id>
         └─ report.html
                                                                        : Assembly quality reports
reports
   - <report_id>_pathsurveil_report.html
                                                                        : Main analysis report
sendsketch
 <sample_id>.txt
                                                                        : Initial sample identifications
shared_genes
   - <method>
     <gene_id>.aligned.fas
                                                                        : Shared gene alignments
sketch_comparisons
    ani_matricies
     ____<report_id>_comp.csv
                                                                        : ANI similarity matrix
     sketches
       - <id>.siq
                                                                        : Sequence sketches
trees
    busco
       - <report_id>--<cluster_id>.treefile
                                                                        : Multigene phylogenetic trees
     core
     <report_id>--<cluster_id>.treefile
                                                                        : Multigene phylogenetic trees
     snp
       - <report_id>--<reference_id>.treefile
                                                                        : Variant-based phylogenetic trees
 variants
    <report_id>--<reference_id>.fasta
                                                                        : Variant sequences
    <report_id>--<reference_id>.vcffilter.vcf.gz
                                                                        : Filtered variants
```