download_remote

output →

refs/downloads/{f}

gdc_download

→ input

config/gdc-user-token.txt

output →

samples/{s}/original.bam

→ input

refs/downloads/GRCh38.d1.vd1.fa.tar.gz

extract_genome

output →

refs/sequences/genome.dict refs/sequences/genome.fa.gz refs/sequences/genome.fa.gz.fai

bam_to_fastq

→ input samples/{s}/original.bam

output →

samples/{s}/original_R1.fastq samples/{s}/original_R2.fastq

star_index

→ input

refs/downloads/gencode.v38.annotation.gtf.gz refs/sequences/genome.fa.gz

output →

refs/index.star/genome

telescope_annotation

→ input

refs/downloads/retro.hg38.v1.gtf refs/sequences/genome.fa.gz.fai

output →

refs/annotation/retro.gtf

star alignment

→ input

refs/index.star/genome samples/{s}/original_R1.fastq samples/{s}/original_R2.fastq

output →

results/star_alignment/{s}/{s}_GDC38.Aligned.out.bam results/star_alignment/{s}/{s}_GDC38.Aligned.sortedByCoord.out.bam

telescope

→ input

refs/annotation/retro.gtf

results/star_alignment/{s}/{s}_GDC38.Aligned.out.bam

output →

results/telescope/{s}/{s}_telescope.report.tsv results/telescope/{s}/{s}_telescope.updated.bam

sample complete

→ input

results/telescope/{s}/{s}_telescope.report.tsv results/telescope/{s}/{s}_telescope.updated.bam

output →

results/{s}/completed.txt

all

→ input

results/DLBCL10451/completed.txt results/DLBCL10456/completed.txt results/DLBCL10462/completed.txt results/DLBCL10470/completed.txt results/DLBCL10476/completed.txt results/DLBCL10477/completed.txt results/DLBCL10489/completed.txt results/DLBCL10506/completed.txt results/DLBCL10512/completed.txt results/DLBCL10517/completed.txt results/DLBCL10518/completed.txt results/DLBCL10530/completed.txt results/DLBCL10536/completed.txt results/DLBCL10538/completed.txt results/DLBCL10540/completed.txt results/DLBCL10546/completed.txt results/DLBCL10833/completed.txt results/DLBCL10847/completed.txt results/DLBCL10860/completed.txt results/DLBCL10872/completed.txt results/DLBCL10906/completed.txt results/DLBCL10909/completed.txt results/DLBCL10975/completed.txt results/DLBCL10997/completed.txt results/DLBCL11002/completed.txt results/DLBCL11005/completed.txt results/DLBCL11180/completed.txt results/DLBCL11188/completed.txt results/DLBCL11193/completed.txt results/DLBCL11256/completed.txt results/DLBCL11257/completed.txt results/DLBCL11346/completed.txt results/DLBCL11430/completed.txt results/DLBCL11431/completed.txt results/DLBCL11473/completed.txt results/DLBCL11480/completed.txt results/DLBCL11485/completed.txt results/DLBCL11509/completed.txt results/DLBCL11519/completed.txt results/DLBCL11523/completed.txt results/DLBCL11528/completed.txt results/DLBCL11533/completed.txt results/DLBCL11587/completed.txt results/DLBCL11589/completed.txt results/DLBCL11655/completed.txt results/DLBCL11665/completed.txt results/DLBCL11667/completed.txt

results/DLBCL11668/completed.txt results/DLBCL11681/completed.txt results/DLBCL11684/completed.txt