

salmon_index

↩ input

/mnt/gtklab01/gtk/decoys/2024-12-20/decoy.txt
/mnt/gtklab01/gtk/decoys/2024-12-20/gentrom.fa

output →

/mnt/gtklab01/gtk/decoys/2024-12-20/salmon_index

salmon_quant

↩ input

/mnt/gtklab01/gtk/decoys/2024-12-20/genemap.tsv
/mnt/gtklab01/gtk/decoys/2024-12-20/salmon_index
/mnt/gtklab01/linglab/tdp43/geo/{sample}_1.fq.gz
/mnt/gtklab01/linglab/tdp43/geo/{sample}_2.fq.gz

output →

/mnt/gtklab01/xiaoqing/salmon/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/aux_info/mapping.bam
/mnt/gtklab01/xiaoqing/salmon/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/aux_info/unmapped_names.txt
/mnt/gtklab01/xiaoqing/salmon/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/lib_format_counts.json
/mnt/gtklab01/xiaoqing/salmon/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/quant.sf

unmap_id_separate

↩ input

/mnt/gtklab01/xiaoqing/salmon/{sample}/aux_info/unmapped_names.txt

output →

/mnt/gtklab01/xiaoqing/salmon/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/aux_info/unmapped_{tag,m1|m2|d|u}.lst

unmapped_sequence

↩ input

/mnt/gtklab01/linglab/tdp43/geo/{sample}_1.fq.gz
/mnt/gtklab01/linglab/tdp43/geo/{sample}_2.fq.gz
/mnt/gtklab01/xiaoqing/salmon/{sample}/aux_info/unmapped_{tag}.lst

output →

/mnt/gtklab01/xiaoqing/star/seq/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}_{tag,m1|m2|d|u}_1.fq
/mnt/gtklab01/xiaoqing/star/seq/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}_{tag,m1|m2|d|u}_2.fq

STAR

↩ input

/mnt/gtklab01/linglab/mmusculus_annotation_files/STAR_v2.7.9a_index_mmusculus_gencode.vM29
/mnt/gtklab01/xiaoqing/star/seq/{sample}_tag_1.fq
/mnt/gtklab01/xiaoqing/star/seq/{sample}_tag_2.fq

output →

/mnt/gtklab01/xiaoqing/star/result/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/{tag,m1|m2|d|u}.1.fastq.gz
/mnt/gtklab01/xiaoqing/star/result/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/{tag,m1|m2|d|u}.2.fastq.gz
/mnt/gtklab01/xiaoqing/star/result/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/{tag,m1|m2|d|u}.SJ.out.tab
/mnt/gtklab01/xiaoqing/star/result/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/{tag,m1|m2|d|u}.bam
logs/star/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/{tag,m1|m2|d|u}_log.out

sort_bam

↩ input

/mnt/gtklab01/xiaoqing/star/result/{sample}/{tag}.bam

output →

/mnt/gtklab01/xiaoqing/star/result/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/{tag,m1|m2|d|u}.sorted.bam

index_bam

↩ input

/mnt/gtklab01/xiaoqing/star/result/{sample}/{tag}.sorted.bam

output →

/mnt/gtklab01/xiaoqing/star/result/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/{tag,m1|m2|d|u}.sorted.bam.bai

bamtobw

↩ input

/mnt/gtklab01/xiaoqing/star/result/{sample}/{tag}.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/{sample}/{tag}.sorted.bam.bai

output →

/mnt/gtklab01/xiaoqing/star/result/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/{tag,m1|m2|d|u}.bw

samplesheet

↩ input

/mnt/gtklab01/xiaoqing/star/result/CTX_104/d.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_104/d.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_104/m1.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_104/m1.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_104/m2.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_104/m2.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_104/u.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_104/u.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_108/d.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_108/d.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_108/m1.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_108/m1.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_108/m2.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_108/m2.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_108/u.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_108/u.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_120/d.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_120/d.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_120/m1.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_120/m1.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_120/m2.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_120/m2.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_120/u.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_120/u.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_125/d.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_125/d.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_125/m1.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_125/m1.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_125/m2.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_125/m2.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_125/u.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_125/u.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_128/d.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_128/d.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_128/m1.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_128/m1.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_128/m2.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_128/m2.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_128/u.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_128/u.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_147/d.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_147/d.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_147/m1.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_147/m1.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_147/m2.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_147/m2.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_147/u.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_147/u.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_148/d.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_148/d.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_148/m1.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_148/m1.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_148/m2.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_148/m2.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_148/u.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_148/u.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_154/d.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_154/d.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_154/m1.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_154/m1.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_154/m2.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_154/m2.sorted.bam
/mnt/gtklab01/xiaoqing/star/result/CTX_154/u.bw
/mnt/gtklab01/xiaoqing/star/result/CTX_154/u.sorted.bam

output →

/mnt/gtklab01/xiaoqing/samples.tsv

all

↩ input

/mnt/gtklab01/xiaoqing/samples.tsv