

bam_sort

↔ input

/mnt/gtklab01/xiaoqing/salmon/{sample}/full/aux_info/mapping.bam

output →

/mnt/gtklab01/xiaoqing/salmon/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/full/aux_info/mapping.sorted.bam

filter_bam

↔ input

/mnt/gtklab01/xiaoqing/salmon/{sample}/full/aux_info/mapping.sorted.bam

output →

/mnt/gtklab01/xiaoqing/salmon/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/full/aux_info/primary_mapping.bai
/mnt/gtklab01/xiaoqing/salmon/{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}/full/aux_info/primary_mapping.bam

remove_mashmap

↔ input

/mnt/gtklab01/xiaoqing/salmon/{sample}/full/aux_info/unmapped_{tag}.lst
/mnt/gtklab01/xiaoqing/salmon/{sample}/mashmap/aux_info/unmapped_{tag}.lst

output →

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

decoy_bam

↔ input

/mnt/gtklab01/xiaoqing/analysis/{sample}_{tag}.lst
/mnt/gtklab01/xiaoqing/salmon/{sample}/full/aux_info/primary_mapping.bam

output →

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

get_count

↔ input

/mnt/gtklab01/xiaoqing/analysis/bam/{sample}_{tag}.bam

output →

/mnt/gtklab01/xiaoqing/analysis/count_{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}_{tag,m1|m2|d|u}.tsv
/mnt/gtklab01/xiaoqing/analysis/share_{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}_{tag,m1|m2|d|u}.tsv
/mnt/gtklab01/xiaoqing/analysis/whole_{sample,CTX_120|CTX_125|CTX_147|CTX_148|CTX_104|CTX_108|CTX_128|CTX_154}_{tag,m1|m2|d|u}.tsv

all

↔ input

/mnt/gtklab01/xiaoqing/analysis/bam/CTX_104_d.bam
/mnt/gtklab01/xiaoqing/analysis/bam/CTX_108_d.bam
/mnt/gtklab01/xiaoqing/analysis/bam/CTX_120_d.bam
/mnt/gtklab01/xiaoqing/analysis/bam/CTX_125_d.bam
/mnt/gtklab01/xiaoqing/analysis/bam/CTX_128_d.bam
/mnt/gtklab01/xiaoqing/analysis/bam/CTX_147_d.bam
/mnt/gtklab01/xiaoqing/analysis/bam/CTX_148_d.bam
/mnt/gtklab01/xiaoqing/analysis/bam/CTX_154_d.bam
/mnt/gtklab01/xiaoqing/analysis/count_CTX_104_d.tsv
/mnt/gtklab01/xiaoqing/analysis/count_CTX_108_d.tsv
/mnt/gtklab01/xiaoqing/analysis/count_CTX_120_d.tsv
/mnt/gtklab01/xiaoqing/analysis/count_CTX_125_d.tsv
/mnt/gtklab01/xiaoqing/analysis/count_CTX_128_d.tsv
/mnt/gtklab01/xiaoqing/analysis/count_CTX_147_d.tsv
/mnt/gtklab01/xiaoqing/analysis/count_CTX_148_d.tsv
/mnt/gtklab01/xiaoqing/analysis/count_CTX_154_d.tsv