Pseudo-alignment with Kallisto

System requirement:

* macOS X Mojave Version 10.14
* Kallisto version 0.45.1

Installation:

* https://pachterlab.github.io/kallisto/manual

Building the mouse index:

* The mouse reference genome was downloaded with:

http://www.ensembl.org/Mus\_musculus/Info/Index

* commend line for building the index:

kallisto index -i mouse-index-k21 --kmer-size=21 Mus\_musculus.GRCm38.cdna.all.fa.gz

Pseudoalignment:

* commend line:
* cd $DIR (change directory to where the processed sequence files located)
* run kallisto: (please note: the location of the index file)

kallisto quant -i dir/mouse-index-k21 -o Output-filename --single -l 48 -s 10 input\_sequence.fastq

example:

kallisto quant -i mouse-index-k21 -o Output-LP13\_S79\_L007\_R1\_001 --single -l 48 -s 10 LP13\_S79\_L007\_R1\_001.fastq