Mapping

maplist.txt

Reference1.fa Reads1.fa
Reference2.fa Reads2.fa
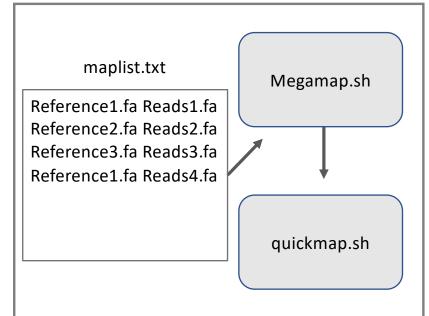Reference3.fa Reads3.fa
Reference1.fa Reads4.fa

Megamap.sh

quickmap.sh

Megamap.sh pulls names of reference and read sets from maplist.txt and sends them one pair at a time to quickmap.sh which does all the rest of the work calling BWA and Samtools.

Reference Sequence

PacBio Reads

Index Reference & Align Reads

SAM format

BAM format

Sorted BAM

BWA

samtools

Indexed BAM

Depth of Coverage

Read Counts

Mpileup