```
these four options tailor Canu to
                                                                                    input read type (changed to
                                                                                                                    input read filename
                                   the computational environment
                                                                                   -pacbio-raw for PacBio reads)
Flye
                                                                                      CPU threads
               output directory
                               enable recovery
                                                enable uneven
                                                                    true size of the
                                                                                                     input read type (changed to
                                                                                                                                input read
                               of small plasmids
                                                coverage mode
                                                                  reference genome
                                                                                                    --pacbio-raw for PacBio reads)
                                                                                         to use
                                                                                                                                 filename
       flye -o out_dir --plasmids --meta --genome-size 5m --threads 16 --nano-raw reads.fastq.gz
Miniasm
                                                  input read
                                                               CPU threads
                                                  filename
                                                                  to use
```

output graph

filename

PacBio reads)

filename

CPU threads

to use

input read

filename

canu -p canu -d out\_dir -fast genomeSize=5m stopOnLowCoverage=0 stopOnReadQuality=false
 useGrid=false minThreads=16 maxThreads=16 maxMemory=63 -nanopore-raw reads.fastq.gz

faster read overlapping

(recommended in release notes

for genomes <1 Gbp in size)

true size of

the reference

genome

these two options prevent

premature termination in cases

of suboptimal input reads

```
raven --graphical-fragment-assembly graph.gfa --threads 16 reads.fastq.gz

Redbean output true size of CPU assembly preset input filename the reference threads (changed to rs for read
```

to use

miniasm\_and\_minipolish.sh reads.fastq.gz 16

Canu

Raven

output

filename

prefix

output

directory

name

wtdbg2.pl -o dbg -g 5m -t 16 -x ont reads.fastq.gz

Shasta input read

aenome

prefix

input read
filename
the output directory name
to use

seqtk seq -A reads.fastq.gz > reads.fasta
shasta --input reads.fasta --assemblyDirectory out\_dir --threads 16