

NANOME Report



Running information

Base-calling results

Methylation-calling results

NANOME pipeline report for Oxford Nanpore sequencing data EcoliDemo

Running information

Running summary

Title	Information
dsname	EcoliDemo
projectDir	/pod/2/li-lab/yang/workspace/nanome
workDir	/fastscratch/li-lab/nanome/work-ecoli
commandLine	nextflow run main.nf -profile singularity,hpc -work-dir /fastscratch/li-lab/nanome/work-ecoli --outputDir /fastscratch/li-lab/nanome/outputs-ecoli -config conf/executors/jaxhpc_input.config,conf/examples/ecoli_demo.config --cleanCache false
runName	curious_dubinsky
start	2021-10-19T13:12:34.117-04:00
input	https://zenodo.org/record/5513090/files/ecoli_data_from_meteorite.tar.gz
outputDir	/fastscratch/li-lab/nanome/outputs-ecoli

Base-calling results

Base-calling report

Title	Information
General summary	EcoliDemo
Active channels	46.0
Mean read length	13,320.6
Mean read quality	7.8
Median read length	13,178.5
Median read quality	7.2
Number of reads	50.0
Read length N50	13,605.0
STDEV read length	3,298.3
Total bases	666,028.0
Number, percentage and megabases of reads above quality cutoffs	
>Q5	50 (100.0%) 0.7Mb
>Q7	32 (64.0%) 0.4Mb
>Q10	6 (12.0%) 0.1Mb
>Q12	1 (2.0%) 0.0Mb
>Q15	0 (0.0%) 0.0Mb

Methylation-calling results

Methylation-calling report

Tool	CpGs
Nanopolish	1,598
Megalodon	2,482
DeepSignal	2,840
Guppy	1,345
Tombo	2,557
METEORE	2,284
DeepMod	3,259

Methylation-calling plots

Methylation % and coverage distribution for Nanopolish

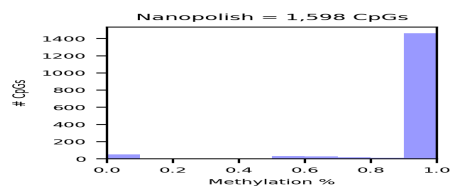
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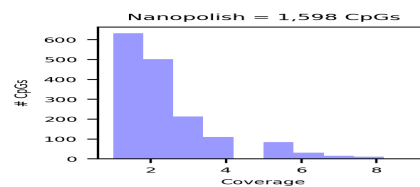
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Base-calling results

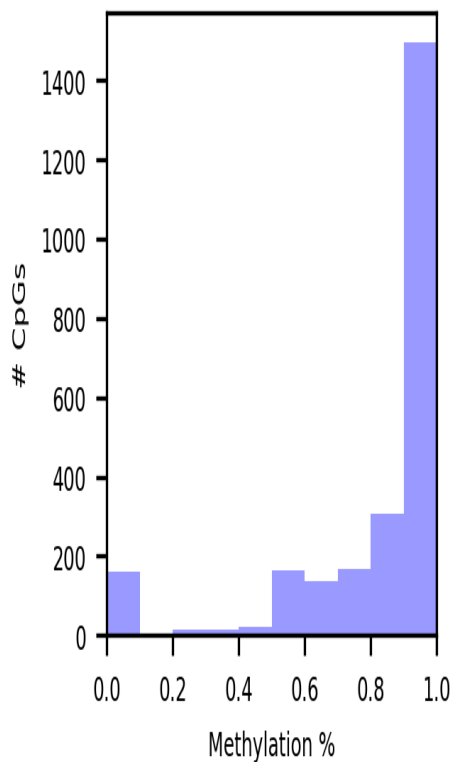
Methylation-calling results



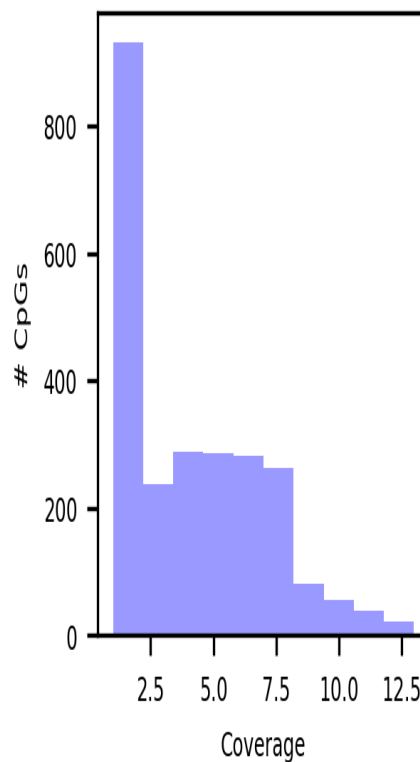
Methylation % and coverage distribution for Megalodon



Megalodon = 2,482 CpGs

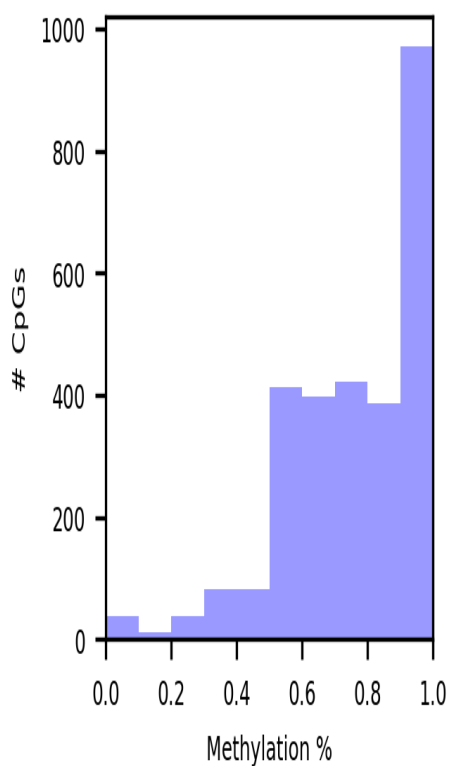


Megalodon = 2,482 CpGs

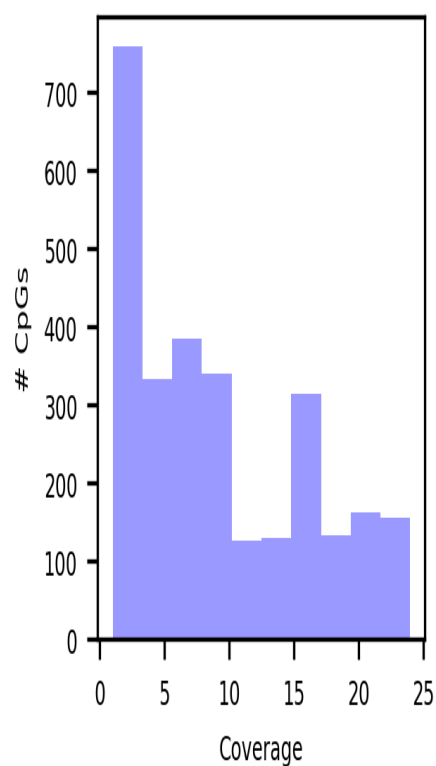


Methylation % and coverage distribution for DeepSignal

DeepSignal = 2,840 CpGs




DeepSignal = 2,840 CpGs



Methylation % and coverage distribution for Guppy

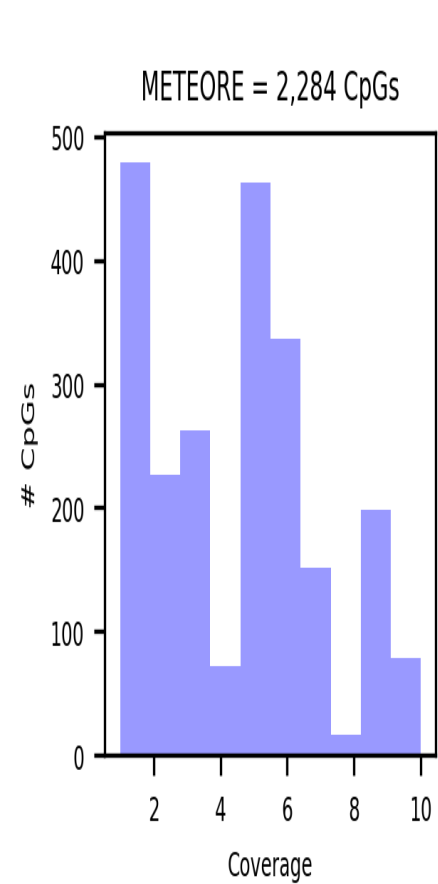
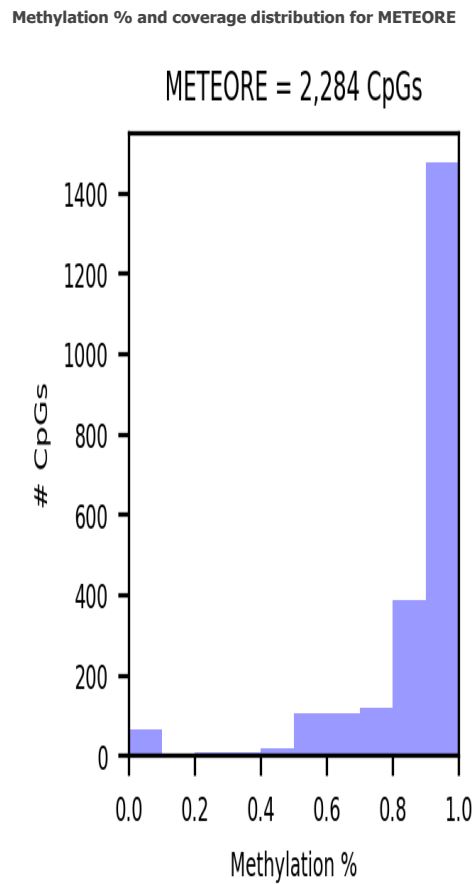
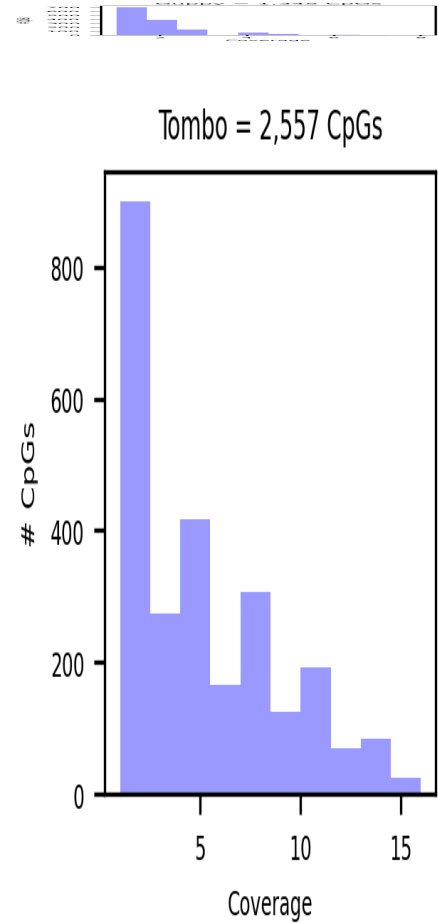
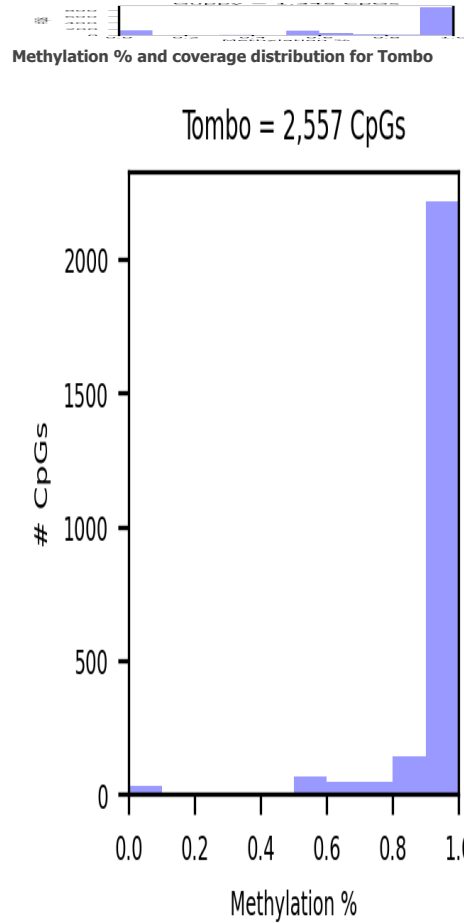
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Methylation-calling results



Methylation % and coverage distribution for DeepMod

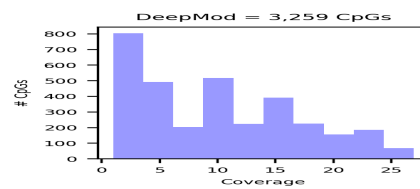
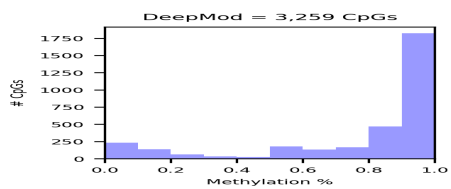
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1. Please use Chrome, Firefox or Safari for better browsing experience.

2. Contact and report any bugs to <https://github.com/TheJacksonLaboratory/nanome>.