X Nextflow Report Summary Resources Tasks

### [nice\_crick]

# Nextflow workflow report

[nice\_crick] (resumed run)

Workflow execution completed successfully!

#### **Run times**

13-Oct-2021 00:36:02 - 13-Oct-2021 12:36:58 (duration: **12h 55s**)

55 succeeded

#### **Nextflow command**

nextflow run main.nf -resume -with-report -with-timeline -with-trace -with-dag -config conf/executors/jaxhpc\_input.config,conf/examples/benchmarking.config -profile singularity,hpc -work-dir /fastscratch/li-lab/nanome/work-benchmark --outputDir /fastscratch/li-lab/nanome/outputs-benchmark --dsname BenchmarkData --input inputs/benchmark.filelist.txt -- jobMaxTime '06:00:00' --jobMaxMem 180GB --qosNameLongTime training --jobMaxTimeLongTime '14-00:00:00' --processors 8 --cleanCache false -- errorStrategy ignore

CPU-Hours 32.1

Launch directory/pod/2/li-lab/yang/workspace/nanomeWork directory/fastscratch/li-lab/nanome/work-benchmarkProject directory/pod/2/li-lab/yang/workspace/nanome

Script name main.nf

 Script ID
 efdf8e0b9352978e9c90009a62f46f2e

 Workflow session
 734a864f-ed58-44ec-a34d-1ca9b42a5dfd

Workflow profile singularity,hpc

Workflow container docker://liuyangzzu/nanome:latest

**Container engine** singularity

**Nextflow version** version 20.10.0, build 5430 (01-11-2020 15:14 UTC)

## Resource Usage

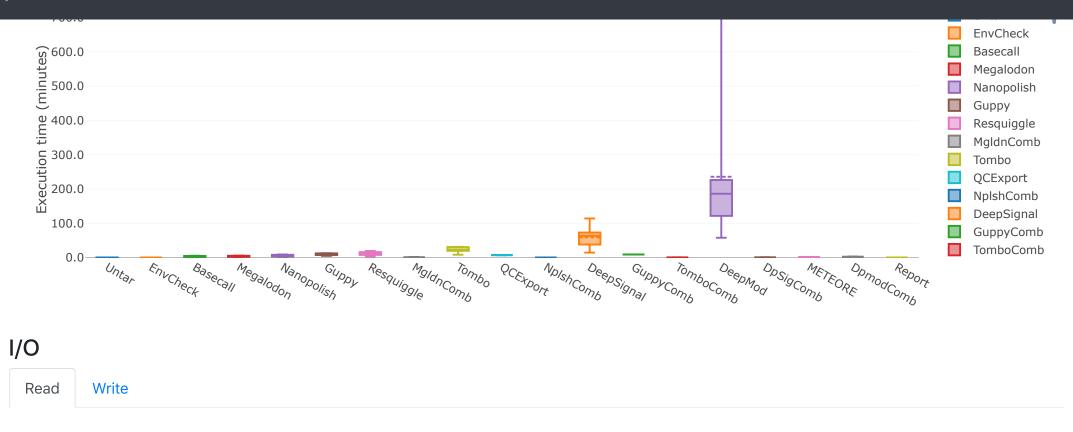
These plots give an overview of the distribution of resource usage for each process.

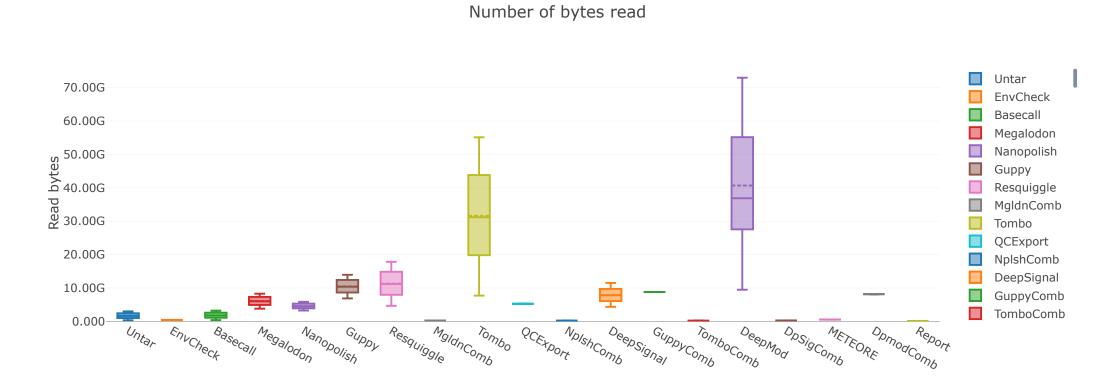
## **CPU**

**Job Duration** 

% Allocated







# Tasks

This table shows information about each task in the workflow. Use the search box on the right to filter rows for specific values. Clicking headers will sort the table by that value and scrolling side to side will reveal more columns.

Show 100	✓ entries				Filter:	Metrics	Metadata —	All Sear	rch:	
task_id ↑↓	process ↑	tag ↑↓	status ↑↓	allocated cpus ↑↓	%сри №	allocated memory ↑↓	%mem ↑↓	vmem ↑↓	rss ↑↓	peak_vmem ↑
1	EnvCheck	EnvCheck	COMPLETED	1	109.6	-	0.0	99.801 MB	32.078 MB	99.832 MB
2	Untar	MB800K.tar	COMPLETED	1	139.1	-	0.0	66.738 MB	16.414 MB	66.754 MB
3	Untar	MB2400K.tar	COMPLETED	1	180.6	-	0.0	84.785 MB	18.563 MB	84.801 MB
4	Untar	MB4000K.tar	COMPLETED	1	134.7	-	0.0	85.426 MB	19.082 MB	85.441 MB
5	Untar	MB5600K.tar	COMPLETED	1	143.4	-	0.0	86.074 MB	19.859 MB	86.090 MB
6	Untar	MB7200K.tar	COMPLETED	1	137.4	-	0.0	86.590 MB	20.375 MB	86.605 MB
7	Basecall	MB800K.tar	COMPLETED	1	42.9	-	0.4	15.630 GB	773.730 MB	15.751 GB
8	Guppy	MB800K.tar	COMPLETED	1	165.4	-	28.3	75.215 GB	53.048 GB	75.262 GB
9	Megalodon	MB800K.tar	COMPLETED	1	301.3	-	196.9	452.799 GB	368.722 GB	455.155 GB
10	Guppy	MB2400K.tar	COMPLETED	1	224.6	-	29.1	76.046 GB	54.732 GB	76.421 GB
11	Megalodon	MB2400K.tar	COMPLETED	1	424.2	-	199.5	454.879 GB	373.768 GB	457.879 GB
12	Basecall	MB2400K.tar	COMPLETED	1	65.7	-	0.5	15.740 GB	880.203 MB	15.740 GB
13	Megalodon	MB4000K.tar	COMPLETED	1	454.9	-	200.1	456.358 GB	375.037 GB	459.230 GB
14	Basecall	MB4000K.tar	COMPLETED	1	81.6	-	0.4	15.677 GB	836.945 MB	15.739 GB
15	Guppy	MB4000K.tar	COMPLETED	1	233.8	-	29.2	76.007 GB	54.816 GB	76.720 GB
16	Megalodon	MB5600K.tar	COMPLETED	1	563.6	-	201.5	458.725 GB	377.852 GB	462.088 GB

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18	Basecall	MB5600K.tar	COMPLETED	1	95.0	-	0.5	15.743	907.852	15.868 GB
19	Basecall	MB7200K.tar	COMPLETED	1	93.2	-	0.5	GB 15.802	MB 962.988	15.927 GB
20	Megalodon	MB7200K.tar	COMPLETED	1	563.2	-	201.4	GB 458.228	MB 377.269	461.484 GB
21	Guppy	MB7200K.tar	COMPLETED	1	256.1	-	29.3	GB 75.202	GB 54.946	75.525 GB
22	Nanopolish	MB800K.tar	COMPLETED	1	254.3	-	5.8	GB 13.055	GB 10.796	14.587 GB
23	DeepMod	MB800K.tar	COMPLETED	1	487.4	-	7.0	GB 137.363 GB	GB 15.407 GB	138.047 GB
24	Resquiggle	MB800K.tar	COMPLETED	1	452.9	-	163.6	348.083 GB	306.444 GB	366.704 GB
25	DeepMod	MB2400K.tar	COMPLETED	1	730.5	-	15.5	130.769 GB	29.054 GB	131.142 GB
26	Resquiggle	MB2400K.tar	COMPLETED	1	585.0	-	165.0	350.170 GB	309.793 GB	379.085 GB
27	Nanopolish	MB2400K.tar	COMPLETED	1	335.3	-	6.9	14.189 GB	12.876 GB	14.522 GB
28	Nanopolish	MB4000K.tar	COMPLETED	1	359.7	-	7.4	15.026 GB	13.937 GB	15.026 GB
29	DeepMod	MB4000K.tar	COMPLETED	1	745.8	-	15.2	162.029 GB	28.501 GB	162.730 GB
30	Resquiggle	MB4000K.tar	COMPLETED	1	598.4	-	166.2	351.613 GB	311.725 GB	381.800 GB
31	Nanopolish	MB5600K.tar	COMPLETED	1	369.6	-	8.4	17.019 GB	15.771 GB	17.019 GB
32	Resquiggle	MB5600K.tar	COMPLETED	1	583.9	-	166.0	353.068 GB	311.122 GB	384.660 GB
33	DeepMod	MB5600K.tar	COMPLETED	1	772.0	-	28.9	114.167 GB	54.215 GB	114.365 GB
34	DeepSignal	MB800K.tar	COMPLETED	1	712.7	-	2.2	19.203 GB	4.249 GB	22.498 GB
35	Tombo	MB800K.tar	COMPLETED	1	197.9	-	9.6	528.730 GB	18.095 GB	530.640 GB
36	MgldnComb	BenchmarkData	COMPLETED	1	98.4	_	0.5	2.042 GB	900.266 MB	2.048 GB
37	Nanopolish	MB7200K.tar	COMPLETED	1	360.6	-	8.1	16.316 GB	15.157 GB	16.316 GB
38	QCExport	BenchmarkData	COMPLETED	1	522.9	-	9.9	48.047 GB	18.552 GB	84.196 GB
39	Resquiggle	MB7200K.tar	COMPLETED	1	619.5	-	167.3	353.091 GB	313.856 GB	386.785 GB
40	DeepMod	MB7200K.tar	COMPLETED	1	417.5	-	40.7	143.202 GB	76.292 GB	143.984 GB
41	DeepSignal	MB2400K.tar	COMPLETED	1	769.7	-	3.8	43.850 GB	7.645 GB	47.764 GB
42	Tombo	MB2400K.tar	COMPLETED	1	157.1	-	6.0	279.293 GB	10.775 GB	280.788 GB
43	GuppyComb	BenchmarkData	COMPLETED	1	585.8	-	2.2	28.105 GB	3.866 GB	33.721 GB
44	DeepSignal	MB4000K.tar	COMPLETED	1	754.3	-	5.4	68.509 GB	10.988 GB	72.764 GB
45	Tombo	MB4000K.tar	COMPLETED	1	198.1	-	13.2	566.663 GB	23.996 GB	568.430 GB
46	NplshComb	BenchmarkData	COMPLETED	1	98.4	-	0.3	1.718 GB	570.414 MB	1.718 GB
47	DeepSignal	MB5600K.tar	COMPLETED	1	752.9	-	7.0	93.171 GB	14.416 GB	97.777 GB
48	Tombo	MB5600K.tar	COMPLETED	1	172.6	-	8.4	332.531 GB	15.397 GB	334.213 GB
49	Tombo	MB7200K.tar	COMPLETED	1	206.8	-	15.4	575.884 GB	28.170 GB	577.372 GB
50	DeepSignal	MB7200K.tar	COMPLETED	1	775.2	-	7.9	103.190 GB	16.463 GB	109.015 GB
51	TomboComb	BenchmarkData	COMPLETED	1	98.4	-	0.3	1.691 GB	541.289 MB	1.691 GB
52 <b>↑</b>	DpSigComb	BenchmarkData	COMPLETED	1	97.9	<u>-</u>	0.5	2.047 GB	906.070 MB	2.053 GB

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