

# Nextflow workflow report

[gigantic\_mcnulty]

Workflow execution completed successfully!

## Run times

17-Apr-2021 18:28:27 - 18-Apr-2021 00:22:55 (duration: **5h 54m 28s**)

78 succeeded

## Nextflow command

```
nextflow run main.nf -profile winter,benchmarking -with-report -with-timeline -with-trace -with-dag -work-dir /fastscratch/liuya/nanocompare/work
```

CPU-Hours	55.2
Launch directory	/pod/2/li-lab/yang/workspace/nano-compare
Work directory	/fastscratch/liuya/nanocompare/work
Project directory	/pod/2/li-lab/yang/workspace/nano-compare
Script name	main.nf
Script ID	4fbf966d759df9af741e38d87d0f68b8
Workflow session	b5ddfa6b-c970-4882-906a-4e4942b00dc0
Workflow profile	winter,benchmarking
Nextflow version	version 20.10.0, build 5430 (01-11-2020 15:14 UTC)

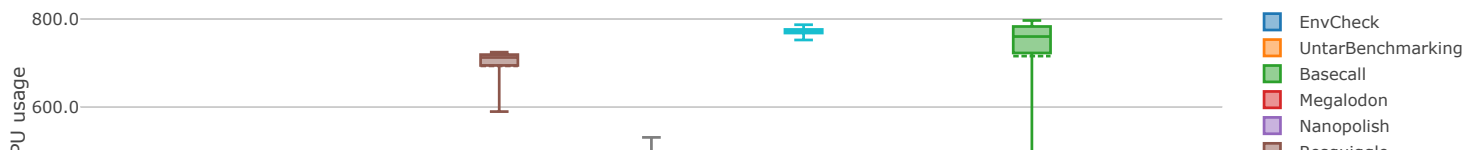
## Resource Usage

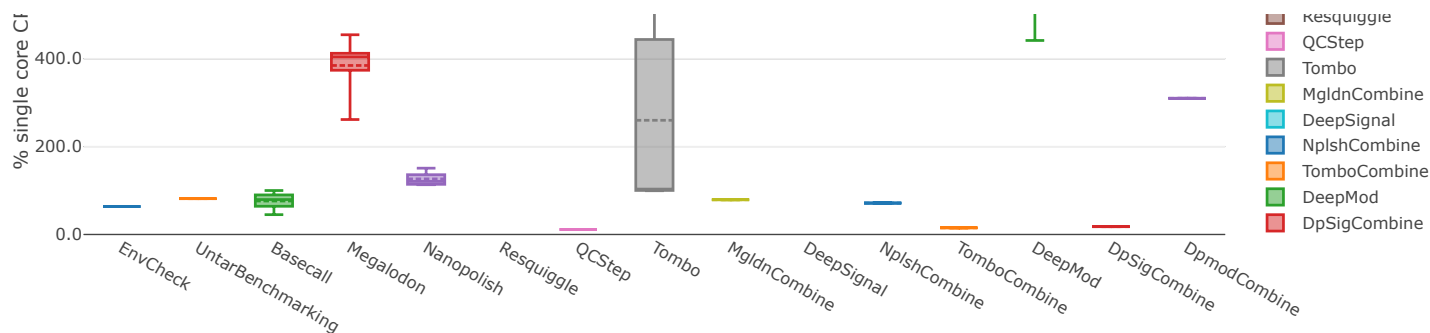
These plots give an overview of the distribution of resource usage for each process.

### CPU

Raw Usage % Allocated

CPU Usage





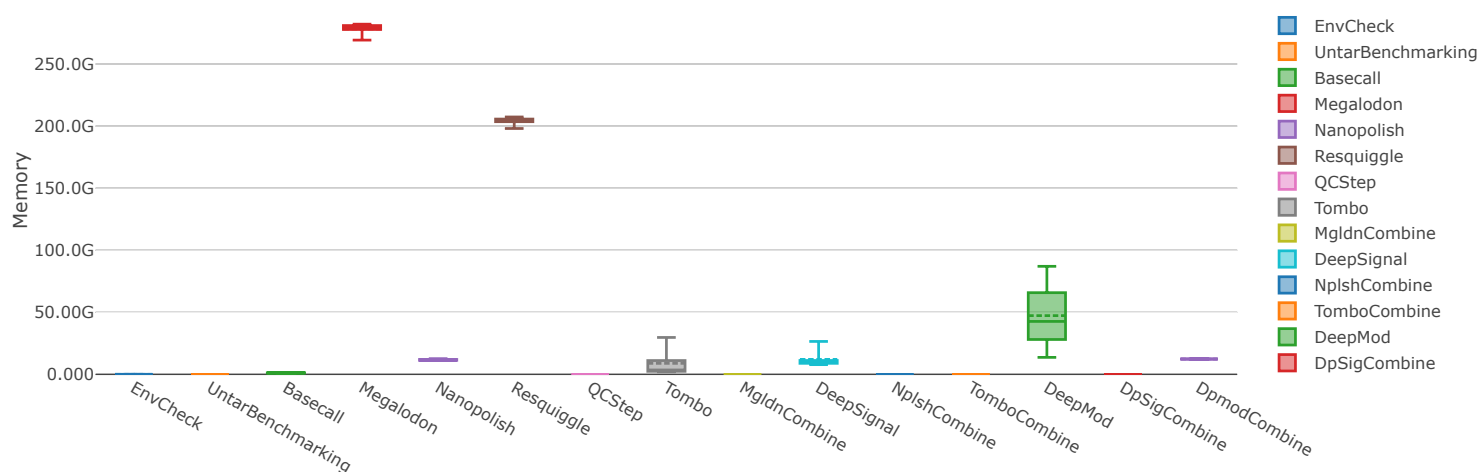
## Memory

Physical (RAM)

Virtual (RAM + Disk swap)

% RAM Allocated

### Physical Memory Usage

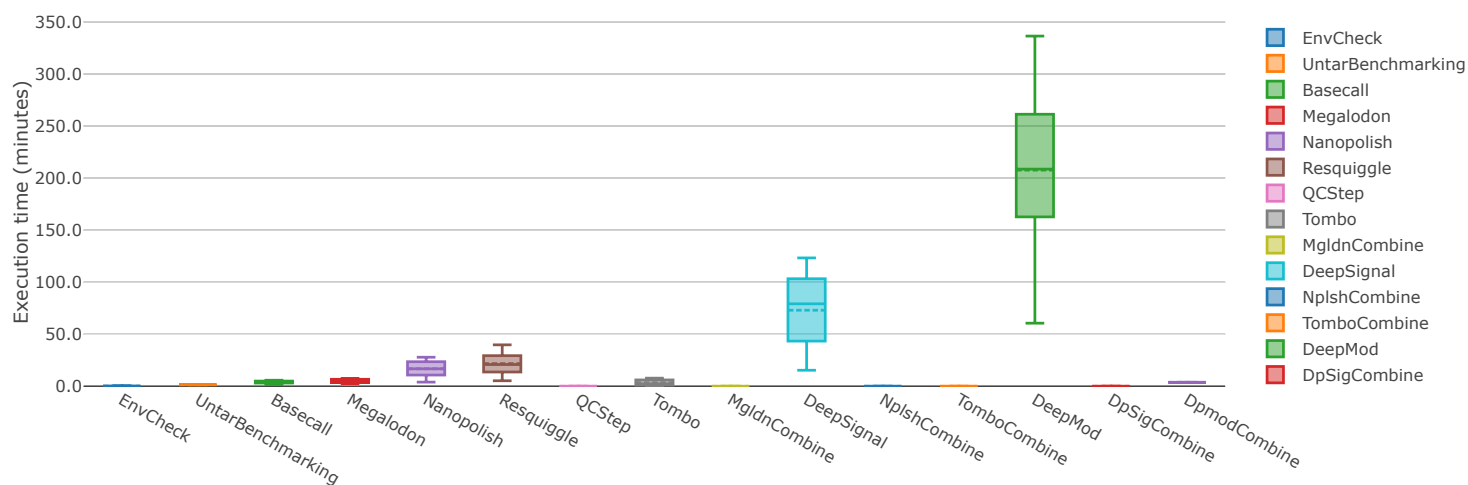


## Job Duration

Raw Usage

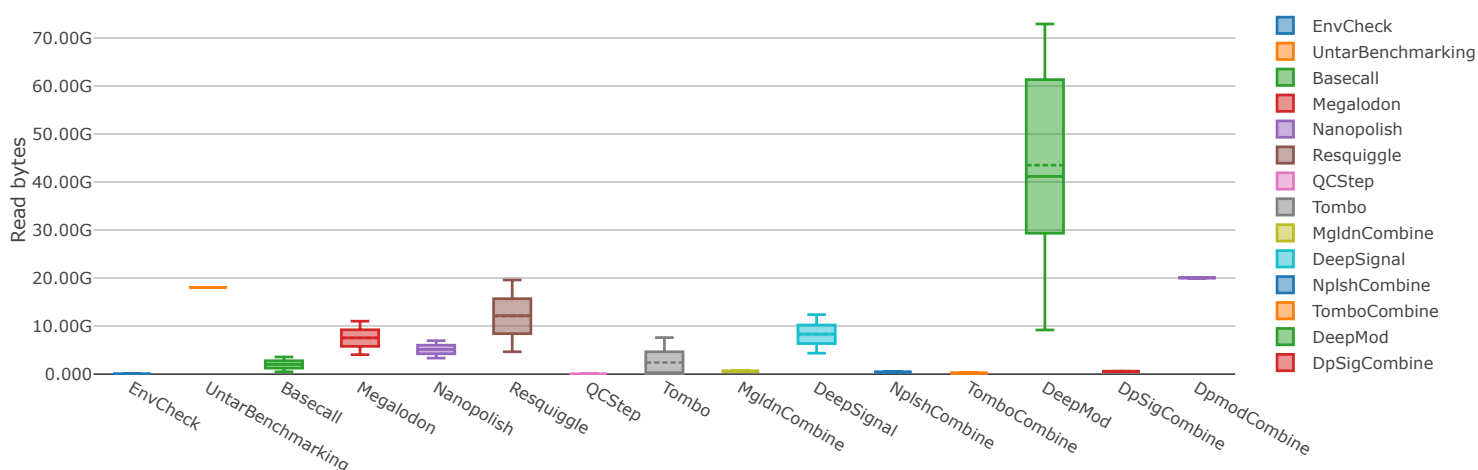
% Allocated

### Task execution real-time



## I/O

Number of bytes read



## 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.

Values shown as: Human readable

Show All entries

Filter:

Metrics

Metadata

All

Search:

task_id	process	tag	status	allocated cpus	%cpu	allocated memory	%mem	vmem	rss	peak_vme
1	UntarBenchmarking	UntarBench	COMPLETED	1	81.5	-	0.0	246.613 MB	3.484 MB	246.613 M
2	EnvCheck	EnvCheck	COMPLETED	1	63.6	-	0.0	279.813 MB	40.777 MB	279.813 M
3	Basecall	MB1600K	COMPLETED	1	53.2	-	0.5	12.807 GB	976.824 MB	12.870 GB
4	Basecall	MB2400K	COMPLETED	1	62.7	-	0.6	12.870 GB	1.033 GB	12.870 GB
5	Megalodon	MB1600K	COMPLETED	1	332.0	-	145.9	328.892 GB	273.712 GB	330.337 G
6	Megalodon	MB2400K	COMPLETED	1	367.8	-	147.6	332.674 GB	276.605 GB	334.533 G
7	Basecall	MB4000K	COMPLETED	1	73.9	-	0.6	14.484 GB	1.192 GB	14.593 GB

8	Basecall	MB3200K	COMPLETED	1	68.7	-	0.6	12.932 GB	1.116 GB	12.932 GB
9	Basecall	MB5600K	COMPLETED	1	89.1	-	0.7	13.120 GB	1.272 GB	13.120 GB
10	Basecall	MB4800K	COMPLETED	1	85.0	-	0.6	13.057 GB	1.200 GB	13.120 GB
11	Basecall	MB7200K	COMPLETED	1	93.4	-	0.7	13.124 GB	1.333 GB	13.182 GB
12	Basecall	MB6400K	COMPLETED	1	90.3	-	0.7	14.588 GB	1.251 GB	14.651 GB
13	Basecall	MB8000K	COMPLETED	1	100.0	-	0.7	14.776 GB	1.392 GB	14.838 GB
14	Basecall	MB800K	COMPLETED	1	45.1	-	0.5	12.749 GB	910.695 MB	12.776 GB
15	Megalodon	MB3200K	COMPLETED	1	390.8	-	147.5	333.510 GB	276.648 GB	336.141 GB
16	Megalodon	MB4000K	COMPLETED	1	454.3	-	148.4	333.867 GB	278.278 GB	335.456 GB
17	Megalodon	MB4800K	COMPLETED	1	433.4	-	147.4	335.716 GB	276.043 GB	337.769 GB
18	Megalodon	MB5600K	COMPLETED	1	413.2	-	149.0	335.418 GB	279.312 GB	337.929 GB
19	Megalodon	MB6400K	COMPLETED	1	406.5	-	149.7	335.642 GB	280.327 GB	337.282 GB
20	Megalodon	MB7200K	COMPLETED	1	401.4	-	148.0	332.679 GB	277.817 GB	335.438 GB
21	Megalodon	MB8000K	COMPLETED	1	409.1	-	149.0	333.580 GB	279.187 GB	337.024 GB
22	Megalodon	MB800K	COMPLETED	1	261.5	-	143.4	325.509 GB	268.653 GB	325.984 GB
23	Resquiggle	MB800K	COMPLETED	1	589.3	-	98.1	202.233 GB	184.220 GB	212.793 GB
24	DeepMod	MB800K	COMPLETED	1	441.3	-	6.4	18.124 GB	11.827 GB	20.354 GB
25	Nanopolish	MB800K	COMPLETED	1	150.8	-	5.8	13.401 GB	10.890 GB	14.143 GB
26	Nanopolish	MB1600K	COMPLETED	1	136.1	-	5.8	13.735 GB	10.923 GB	14.148 GB
27	Resquiggle	MB1600K	COMPLETED	1	670.8	-	99.4	203.728 GB	186.412 GB	217.429 GB
28	DeepMod	MB1600K	COMPLETED	1	606.5	-	9.2	25.415 GB	17.368 GB	27.435 GB

29	Nanopolish	MB2400K	COMPLETED	1	138.9	-	8.6	13.546 GB	10.816 GB	14.149 GB
30	Resquiggle	MB2400K	COMPLETED	1	691.4	-	99.1	204.559 GB	185.785 GB	219.024 GB
31	DeepMod	MB2400K	COMPLETED	1	713.2	-	21.3	37.250 GB	26.634 GB	38.994 GB
32	Resquiggle	MB3200K	COMPLETED	1	710.6	-	100.4	209.690 GB	188.138 GB	220.115 GB
33	Nanopolish	MB3200K	COMPLETED	1	114.7	-	5.8	13.393 GB	10.917 GB	14.142 GB
34	DeepMod	MB3200K	COMPLETED	1	752.4	-	14.2	37.386 GB	26.712 GB	42.542 GB
35	DeepMod	MB4000K	COMPLETED	1	750.9	-	18.1	46.900 GB	34.007 GB	53.581 GB
36	Nanopolish	MB4000K	COMPLETED	1	135.5	-	8.9	13.401 GB	11.162 GB	14.142 GB
37	Resquiggle	MB4000K	COMPLETED	1	703.0	-	98.7	205.077 GB	185.401 GB	220.958 GB
38	DeepMod	MB4800K	COMPLETED	1	767.6	-	21.9	56.751 GB	41.347 GB	67.561 GB
39	Resquiggle	MB4800K	COMPLETED	1	714.1	-	99.1	204.957 GB	185.824 GB	220.161 GB
40	Nanopolish	MB4800K	COMPLETED	1	123.2	-	6.1	14.025 GB	11.400 GB	14.159 GB
41	DeepMod	MB5600K	COMPLETED	1	774.9	-	30.2	79.532 GB	56.487 GB	87.715 GB
42	Nanopolish	MB5600K	COMPLETED	1	118.3	-	6.4	13.636 GB	12.076 GB	14.157 GB
43	Resquiggle	MB5600K	COMPLETED	1	718.0	-	100.5	207.294 GB	188.173 GB	221.916 GB
44	DeepMod	MB6400K	COMPLETED	1	789.9	-	31.5	81.287 GB	59.345 GB	94.847 GB
45	Nanopolish	MB6400K	COMPLETED	1	113.9	-	6.6	13.299 GB	12.304 GB	14.141 GB
46	Resquiggle	MB6400K	COMPLETED	1	723.6	-	99.6	206.654 GB	186.843 GB	221.732 GB
47	Resquiggle	MB7200K	COMPLETED	1	724.5	-	99.1	204.882 GB	185.896 GB	221.561 GB
48	Nanopolish	MB7200K	COMPLETED	1	113.5	-	6.8	13.407 GB	12.681 GB	14.139 GB

49	DeepMod	MB7200K	COMPLETED	1	785.5	-	33.6	89.325 GB	63.241 GB	107.935 GB
50	DeepMod	MB8000K	COMPLETED	1	796.6	-	40.6	112.285 GB	76.336 GB	124.540 GB
51	Nanopolish	MB8000K	COMPLETED	1	113.2	-	6.3	13.673 GB	11.850 GB	14.145 GB
52	QCStep	-	COMPLETED	1	11.4	-	0.0	110.773 MB	1.598 MB	110.805 MB
53	Resquiggle	MB8000K	COMPLETED	1	719.2	-	99.7	207.496 GB	186.809 GB	223.162 GB
54	Tombo	MB800K	COMPLETED	1	99.5	-	1.6	43.966 GB	2.049 GB	43.966 GB
55	DeepSignal	MB800K	COMPLETED	1	752.2	-	14.1	36.277 GB	26.039 GB	37.150 GB
56	MgldnCombine	-	COMPLETED	1	79.0	-	0.0	224.945 MB	2.223 MB	224.945 MB
57	Tombo	MB1600K	COMPLETED	1	101.0	-	1.8	46.282 GB	3.329 GB	46.315 GB
58	DeepSignal	MB1600K	COMPLETED	1	775.3	-	3.8	14.677 GB	4.739 GB	18.032 GB
59	DeepSignal	MB2400K	COMPLETED	1	766.9	-	2.6	15.318 GB	5.172 GB	18.974 GB
60	Tombo	MB2400K	COMPLETED	1	376.2	-	1.3	223.345 GB	2.331 GB	225.221 GB
61	Tombo	MB3200K	COMPLETED	1	99.5	-	1.2	46.965 GB	2.251 GB	46.965 GB
62	DeepSignal	MB3200K	COMPLETED	1	784.2	-	3.2	15.925 GB	5.790 GB	19.569 GB
63	DeepSignal	MB4000K	COMPLETED	1	769.0	-	4.9	16.047 GB	6.118 GB	19.440 GB
64	Tombo	MB4000K	COMPLETED	1	100.1	-	1.3	47.027 GB	2.429 GB	47.027 GB
65	Tombo	MB4800K	COMPLETED	1	100.8	-	1.3	47.239 GB	2.515 GB	47.239 GB
66	DeepSignal	MB4800K	COMPLETED	1	767.7	-	3.8	16.915 GB	6.774 GB	20.603 GB
67	DeepSignal	MB5600K	COMPLETED	1	776.4	-	3.7	17.333 GB	7.143 GB	21.038 GB
68	Tombo	MB5600K	COMPLETED	1	466.0	-	15.0	273.421 GB	27.908 GB	275.356 GB
69	Tombo	MB6400K	COMPLETED	1	100.3	-	1.4	47.249 GB	2.551 GB	47.396 GB

								GB	GB	
70	DeepSignal	MB6400K	COMPLETED	1	786.9	-	4.0	17.773 GB	7.629 GB	21.456 GB
71	Tombo	MB7200K	COMPLETED	1	518.7	-	6.0	547.160 GB	11.584 GB	549.425 GB
72	DeepSignal	MB7200K	COMPLETED	1	769.9	-	4.4	18.388 GB	8.224 GB	22.086 GB
73	NplshCombine	-	COMPLETED	1	71.5	-	0.0	224.945 MB	2.227 MB	224.945 MB
74	DeepSignal	MB8000K	COMPLETED	1	771.2	-	4.6	18.852 GB	8.761 GB	22.548 GB
75	Tombo	MB8000K	COMPLETED	1	530.6	-	7.2	549.613 GB	12.613 GB	551.741 GB
76	TomboCombine	-	COMPLETED	1	15.2	-	0.0	220.211 MB	5.969 MB	220.211 MB
77	DpSigCombine	-	COMPLETED	1	17.8	-	0.0	220.344 MB	5.957 MB	220.344 MB
78	DpmodCombine	-	COMPLETED	1	309.8	-	6.3	16.111 GB	11.328 GB	17.218 GB

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