

Report

	ABYSS	A_STAR	HipMer	marmgCAMI2	Megahit	metaSPAdes	Miniasm	OPERA_MS_inhouse	SPAdes
# contigs (>= 1000 bp)	6	18	5	1	11	9	4	2	2
# contigs (>= 5000 bp)	6	13	5	1	11	9	4	2	2
# contigs (>= 10000 bp)	6	13	5	1	11	9	4	2	2
# contigs (>= 25000 bp)	6	9	4	1	10	9	4	2	2
# contigs (>= 50000 bp)	4	6	4	1	8	9	4	2	2
Total length (>= 1000 bp)	500944	2178583	2731938	1859369	1991448	4558984	8381890	1513471	1854709
Total length (>= 5000 bp)	500944	2164197	2731938	1859369	1991448	4558984	8381890	1513471	1854709
Total length (>= 10000 bp)	500944	2164197	2731938	1859369	1991448	4558984	8381890	1513471	1854709
Total length (>= 25000 bp)	500944	2115033	2707560	1859369	1966961	4558984	8381890	1513471	1854709
Total length (>= 50000 bp)	424122	2022878	2707560	1859369	1912003	4558984	8381890	1513471	1854709
# contigs	6	18	5	1	12	9	4	2	2
Largest contig	148370	421667	1524395	1859369	541757	762996	2428999	763998	1091680
Total length	500944	2178583	2731938	1859369	1992135	4558984	8381890	1513471	1854709
Reference length	7308	7308	7308	7308	7308	7308	7308	7308	7308
GC (%)	43.32	42.70	43.04	43.04	42.67	42.95	49.45	42.97	42.99
Reference GC (%)	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21
N50	148370	327935	1524395	1859369	541642	762974	2428999	763998	1091680
NG50	148370	421667	1524395	1859369	541757	762996	2428999	763998	1091680
N75	63691	261837	642266	1859369	194498	504133	2428999	749473	763029
NG75	148370	421667	1524395	1859369	541757	762996	2428999	763998	1091680
L50	2	3	1	1	2	3	2	1	1
LG50	1	1	1	1	1	1	1	1	1
L75	4	5	2	1	5	6	3	2	2
LG75	1	1	1	1	1	1	1	1	1
# misassemblies	0	0	0	0	0	0	0	0	0
# misassembled contigs	0	0	0	0	0	0	0	0	0
Misassembled contigs length	0	0	0	0	0	0	0	0	0
# local misassemblies	0	0	0	0	1	0	0	0	0
# scaffold gap ext. mis.	0	0	0	0	0	0	0	0	0
# scaffold gap loc. mis.	0	0	0	0	0	0	0	0	0
# unaligned mis. contigs	0	2	1	1	0	0	4	1	1
# unaligned contigs	0 + 6 part	0 + 18 part	0 + 5 part	0 + 1 part	0 + 11 part	0 + 9 part	0 + 4 part	0 + 2 part	0 + 2 part
Unaligned length	486120	2151938	2716626	1852061	1971784	4537060	8369894	1506634	1847368
Genome fraction (%)	100.000	100.000	100.000	100.000	100.000	100.000	89.997	95.265	100.000
Duplication ratio	2.028	3.646	2.095	1.000	2.785	3.000	1.824	0.982	1.005
# N's per 100 kbp	41.52	122.88	32.10	0.00	0.00	0.00	0.00	0.00	5.39
# mismatches per 100 kbp	0.00	574.71	0.00	0.00	766.28	0.00	471.34	215.46	0.00
# indels per 100 kbp	0.00	82.10	54.73	0.00	41.05	0.00	805.84	114.91	13.68
Largest alignment	3437	3303	3370	3437	3504	3437	2105	3303	3470
Total aligned length	14616	23968	14512	7308	20296	21924	11996	6837	7341
NGA50	3437	3303	2617	2095	3303	3437	1933	2104	2095
NGA75	3437	3303	2617	2095	3303	3437	1933	667	2095
LGA50	2	2	2	2	2	2	2	2	2
LGA75	2	2	2	2	2	2	3	3	2

All statistics are based on contigs of size >= 500 bp, unless otherwise noted (e.g., "# contigs (>= 0 bp)" and "Total length (>= 0 bp)" include all contigs).

Misassemblies report

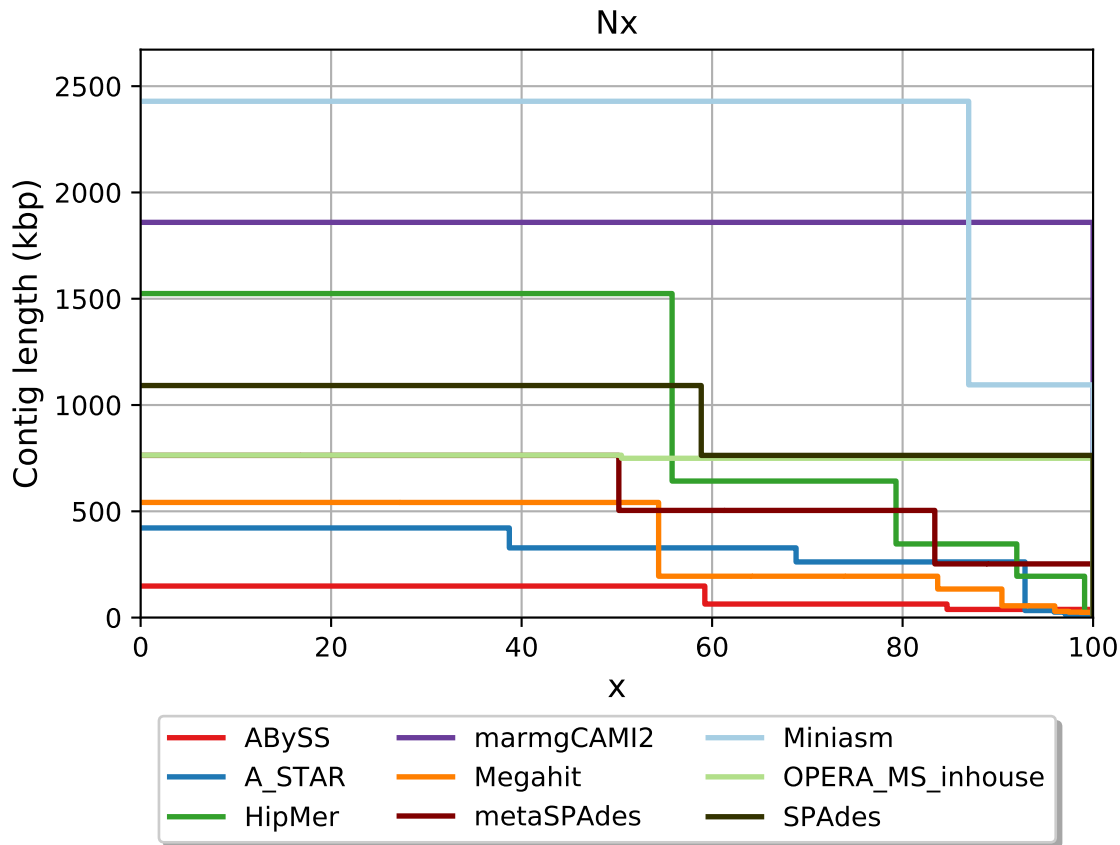
	ABySS	A_STAR	HipMer	marmgCAMI2	Megahit	metaSPAdes	Miniasm	OPERA_MS_inhouse	SPAdes
# misassemblies	0	0	0	0	0	0	0	0	0
# contig misassemblies	0	0	0	0	0	0	0	0	0
# c. relocations	0	0	0	0	0	0	0	0	0
# c. translocations	0	0	0	0	0	0	0	0	0
# c. inversions	0	0	0	0	0	0	0	0	0
# scaffold misassemblies	0	0	0	0	0	0	0	0	0
# s. relocations	0	0	0	0	0	0	0	0	0
# s. translocations	0	0	0	0	0	0	0	0	0
# s. inversions	0	0	0	0	0	0	0	0	0
# misassembled contigs	0	0	0	0	0	0	0	0	0
Misassembled contigs length	0	0	0	0	0	0	0	0	0
# possibly misassembled contigs	6	14	4	0	11	9	0	1	1
# possible misassemblies	12	21	6	0	18	18	0	2	2
# local misassemblies	0	0	0	0	1	0	0	0	0
# scaffold gap ext. mis.	0	0	0	0	0	0	0	0	0
# scaffold gap loc. mis.	0	0	0	0	0	0	0	0	0
# unaligned mis. contigs	0	2	1	1	0	0	4	1	1
# mismatches	0	42	0	0	56	0	31	15	0
# indels	0	6	4	0	3	0	53	8	1
# indels (<= 5 bp)	0	2	0	0	0	0	52	7	0
# indels (> 5 bp)	0	4	4	0	3	0	1	1	1
Indels length	0	406	138	0	268	0	71	145	33

All statistics are based on contigs of size ≥ 500 bp, unless otherwise noted (e.g., "# contigs (≥ 0 bp)" and "Total length (≥ 0 bp)" include all contigs).

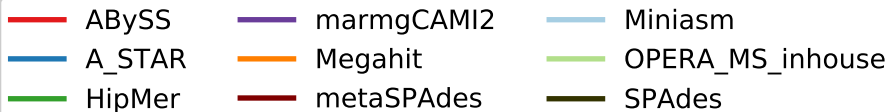
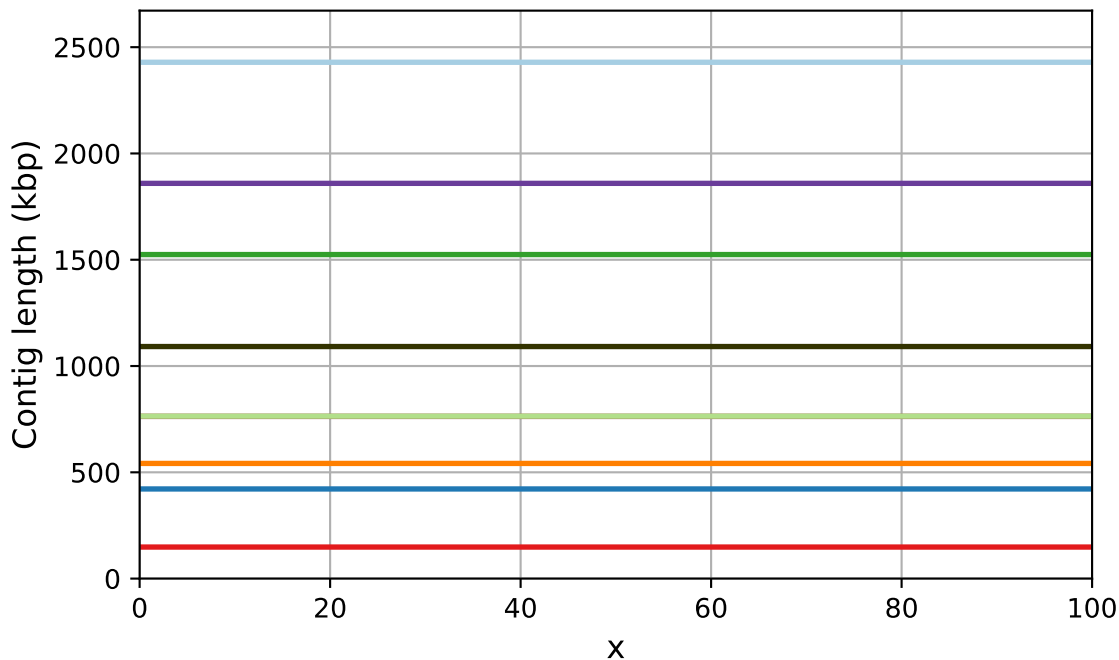
Unaligned report

	ABYSS	A_STAR	HipMer	marmgCAMI2	Megahit	metaSPAdes	Miniasm	OPERA_MS_inhouse	SPAdes
# fully unaligned contigs	0	0	0	0	0	0	0	0	0
Fully unaligned length	0	0	0	0	0	0	0	0	0
# partially unaligned contigs	6	18	5	1	11	9	4	2	2
Partially unaligned length	486120	2151938	2716626	1852061	1971784	4537060	8369894	1506634	1847368
# N's	208	2677	877	0	0	0	0	0	100

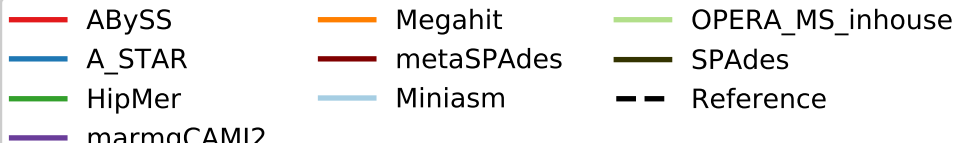
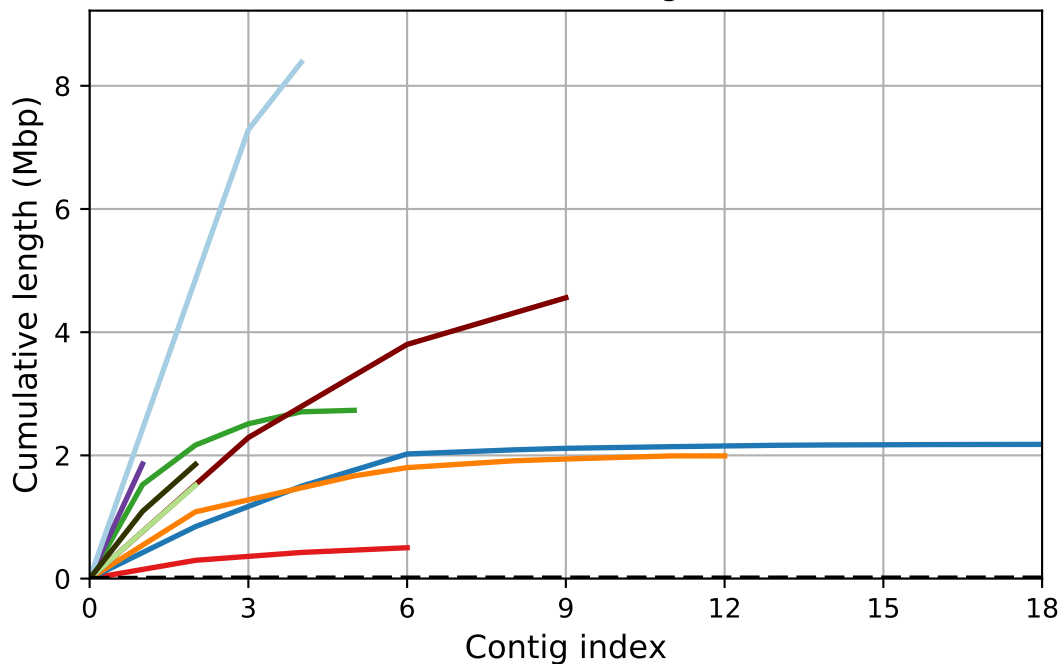
All statistics are based on contigs of size ≥ 500 bp, unless otherwise noted (e.g., "# contigs (≥ 0 bp)" and "Total length (≥ 0 bp)" include all contigs).



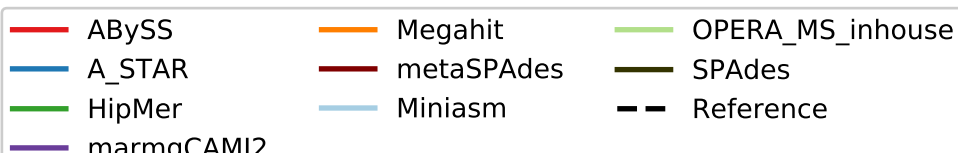
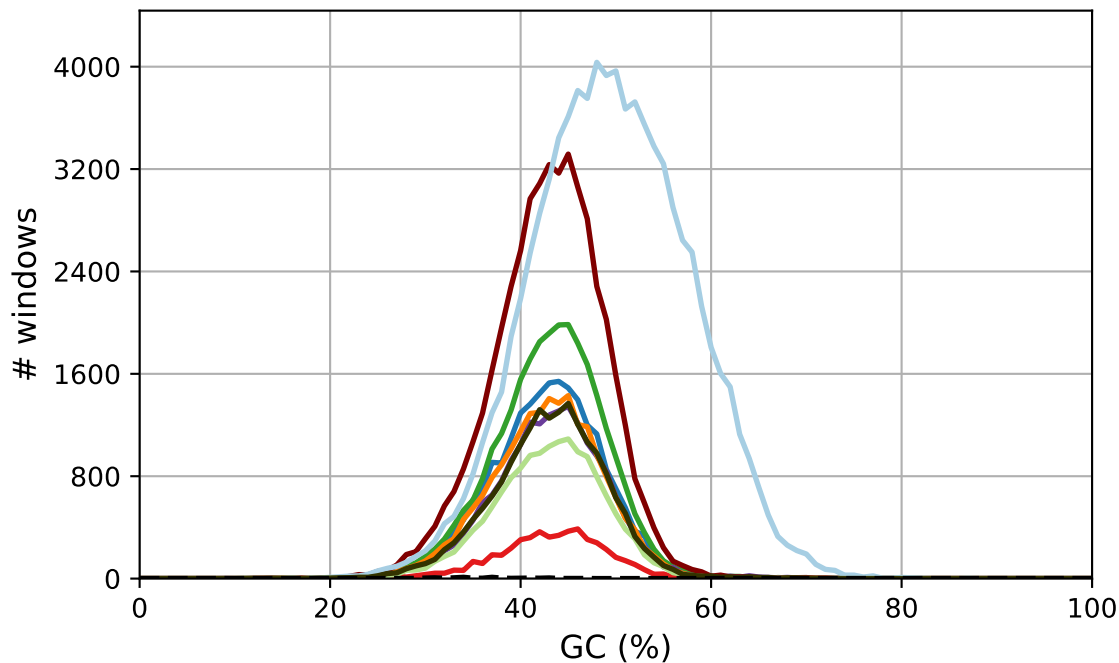
NGx



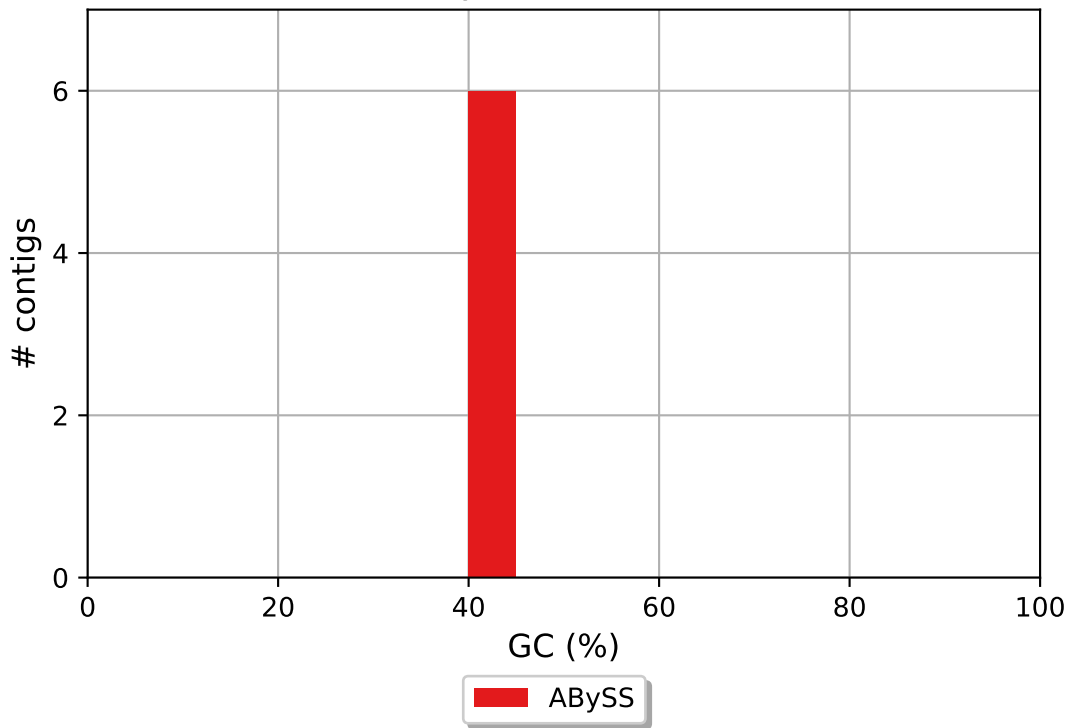
Cumulative length



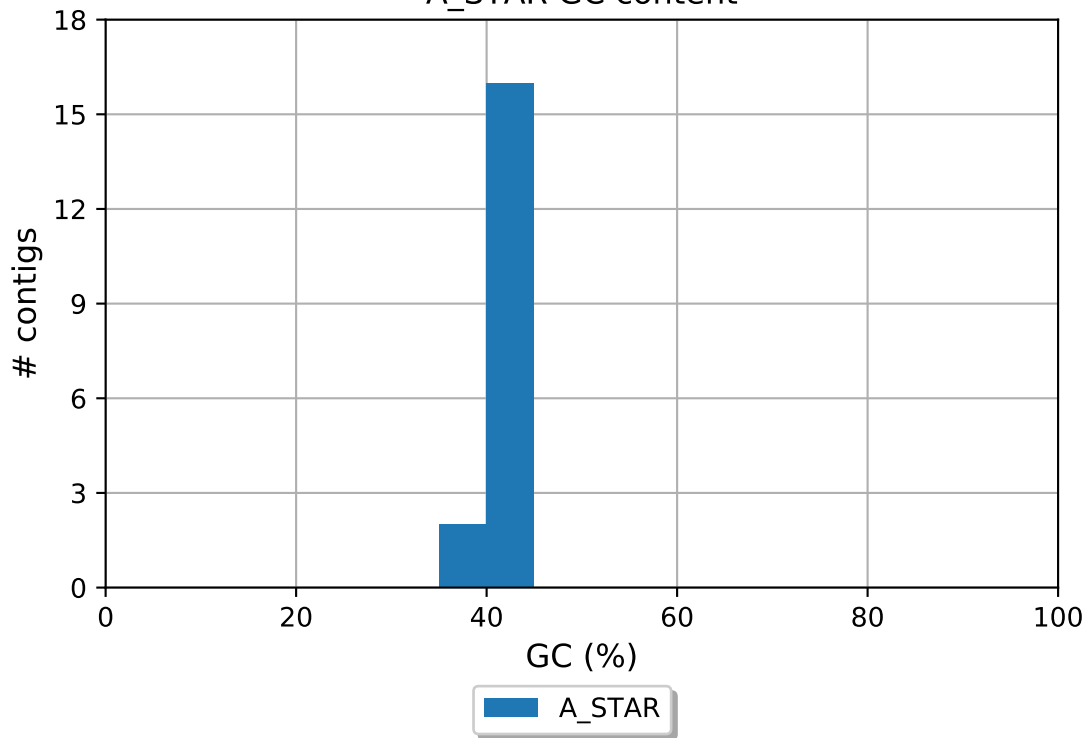
GC content



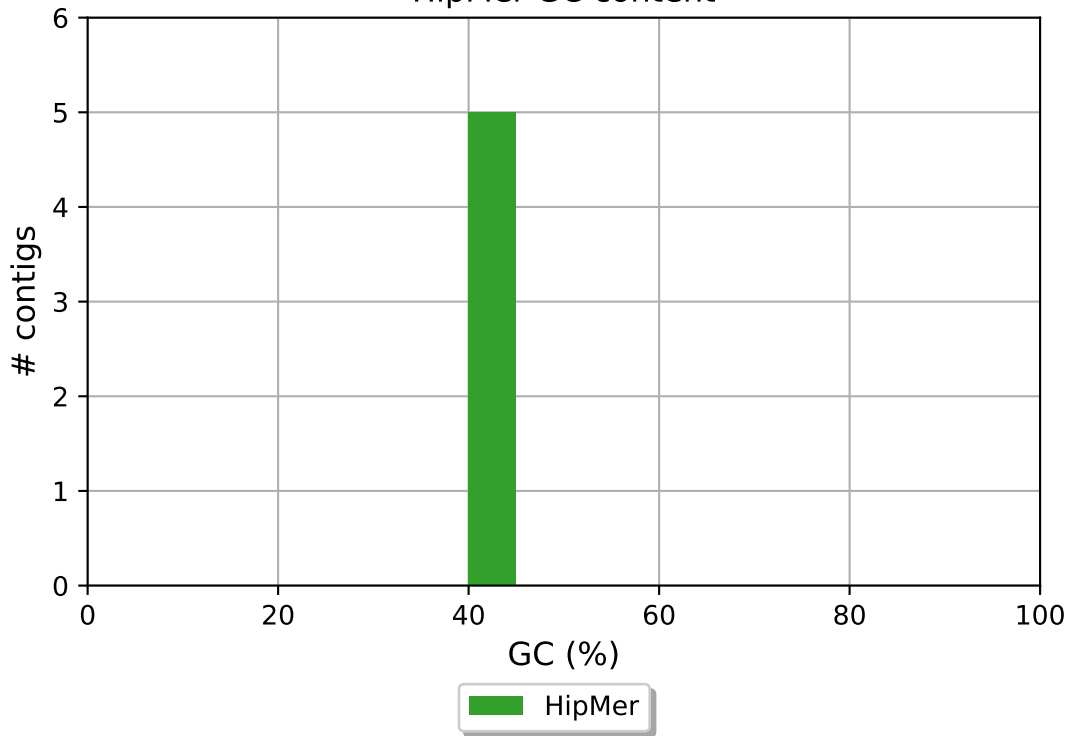
ABySS GC content



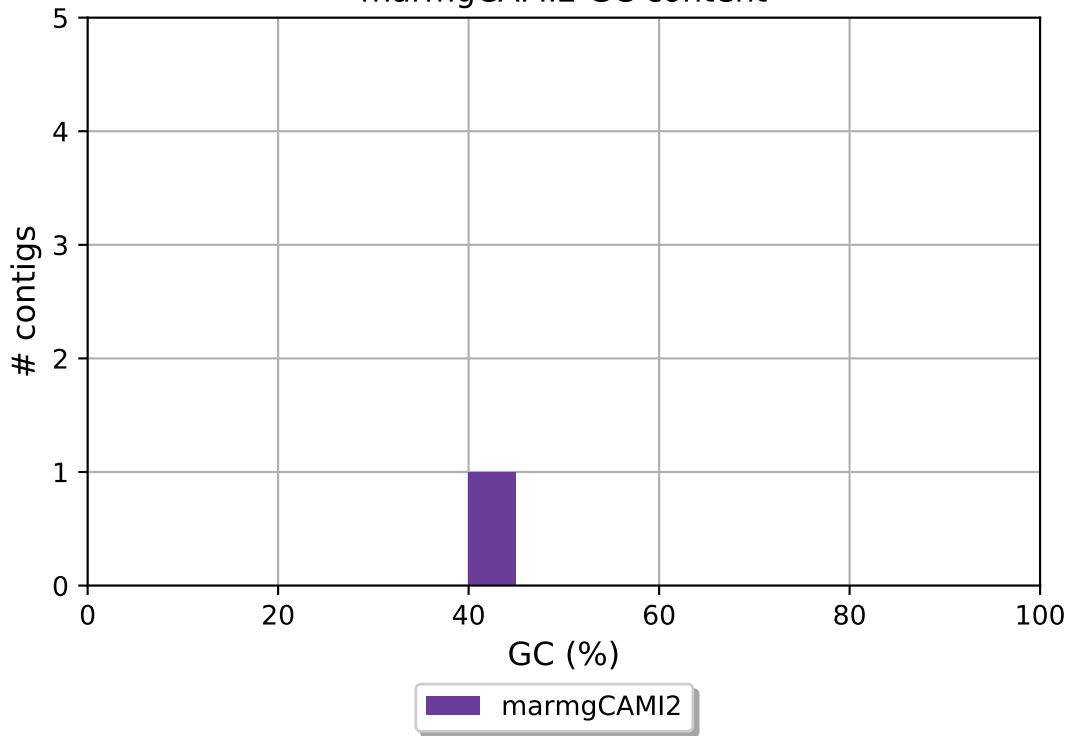
A_STAR GC content



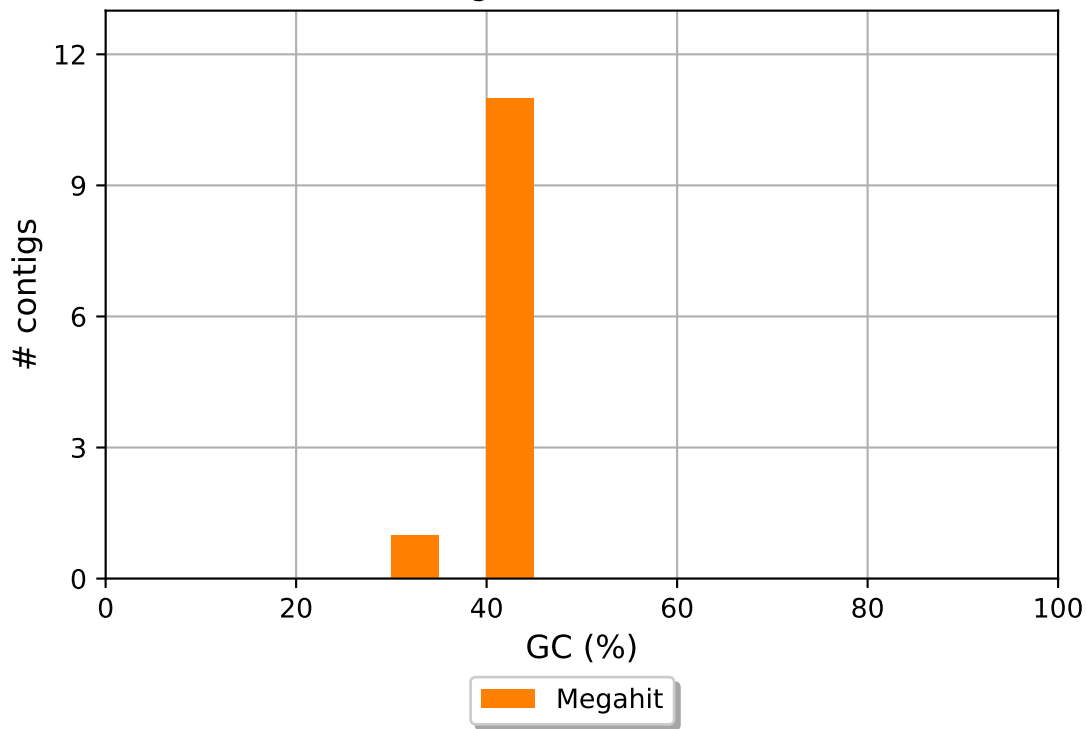
HipMer GC content



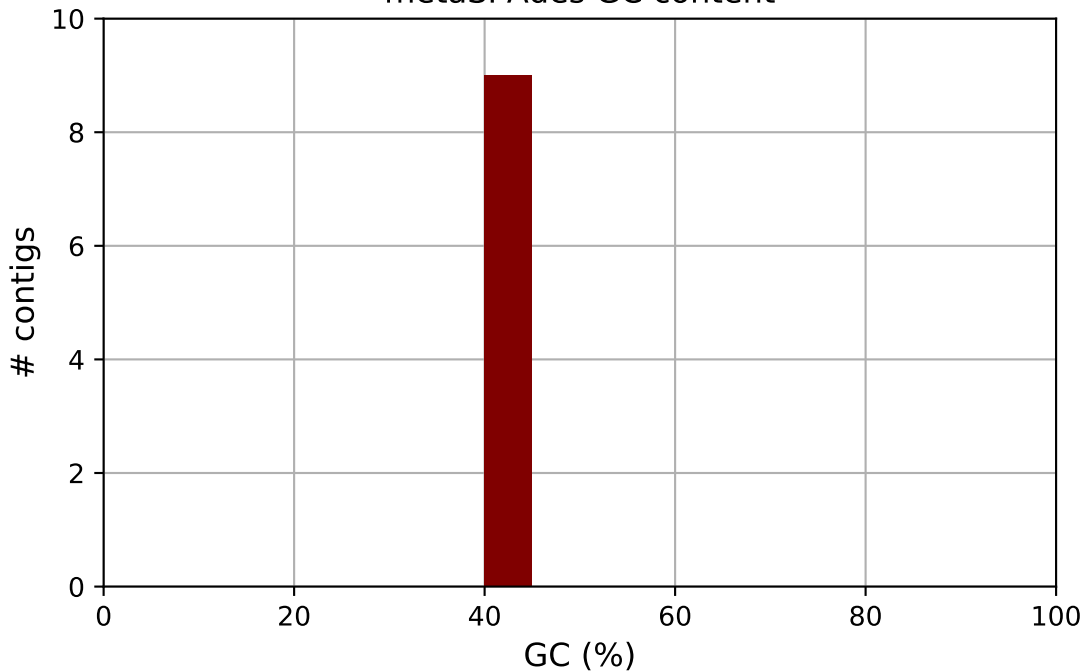
marmgCAMI2 GC content



Megahit GC content

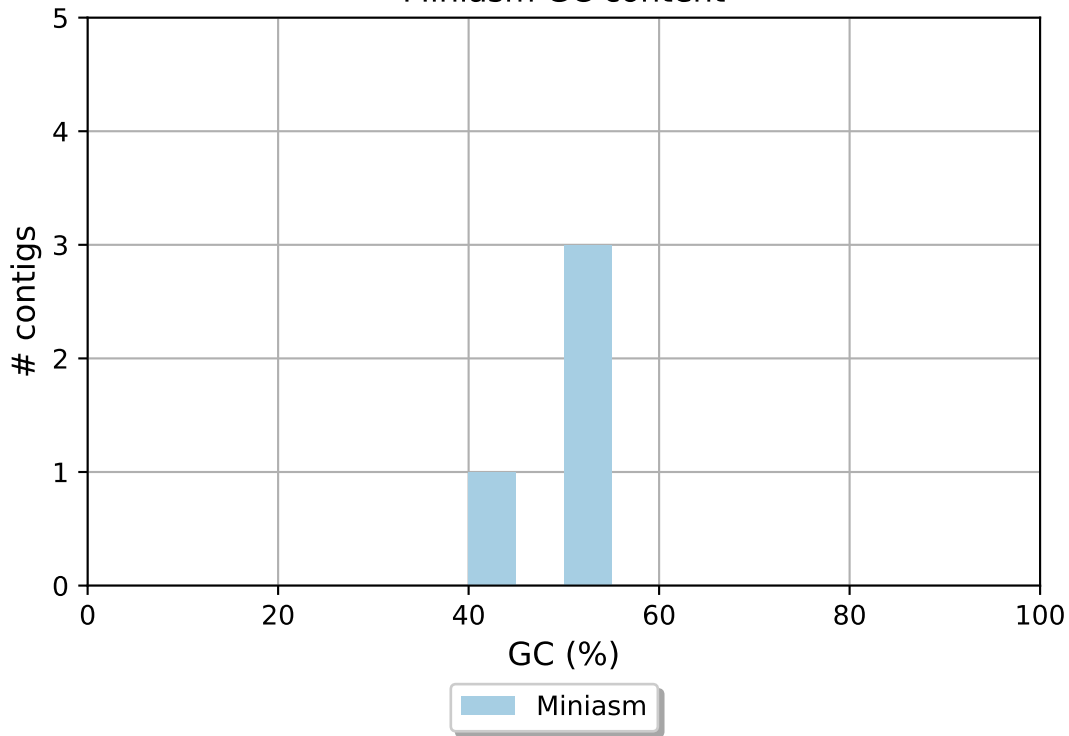


metaSPAdes GC content

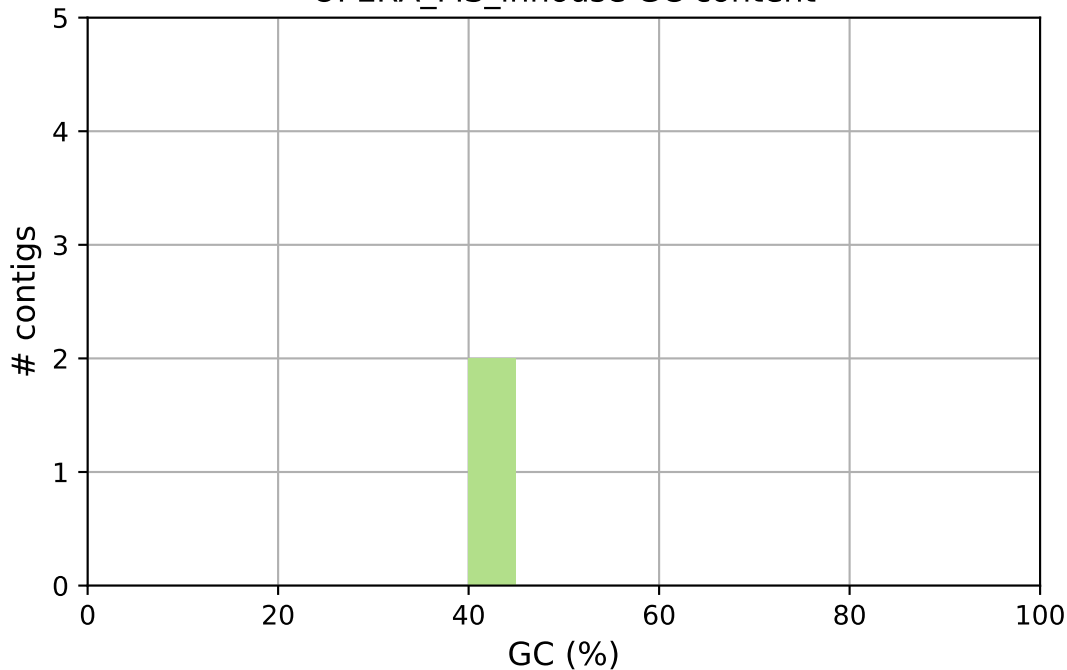


metaSPAdes

Miniasm GC content

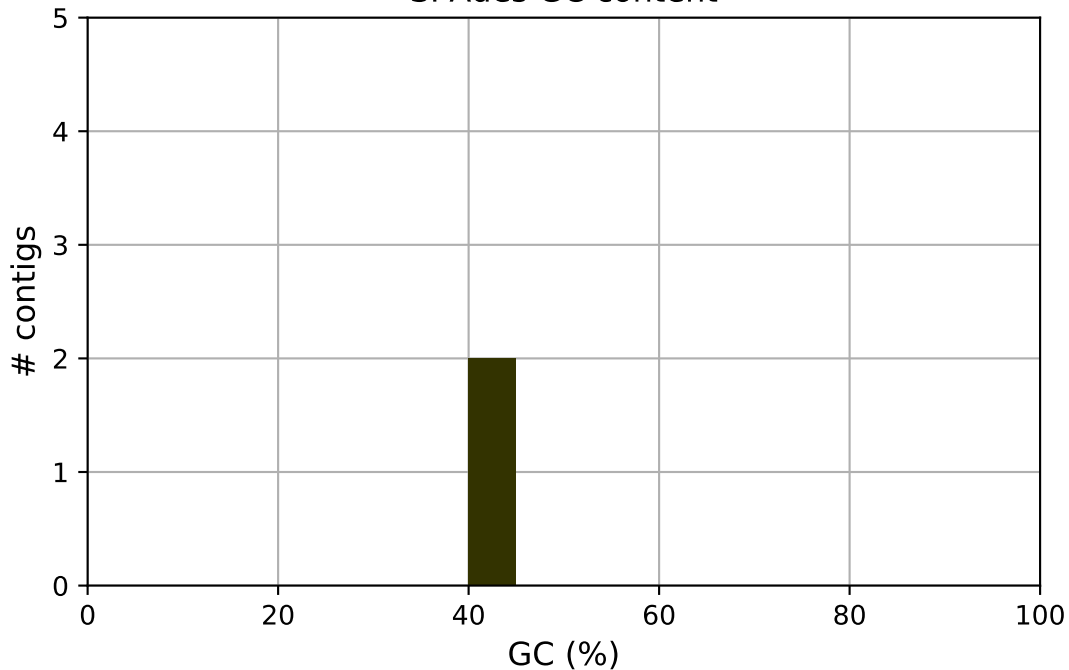


OPERA_MS_inhouse GC content



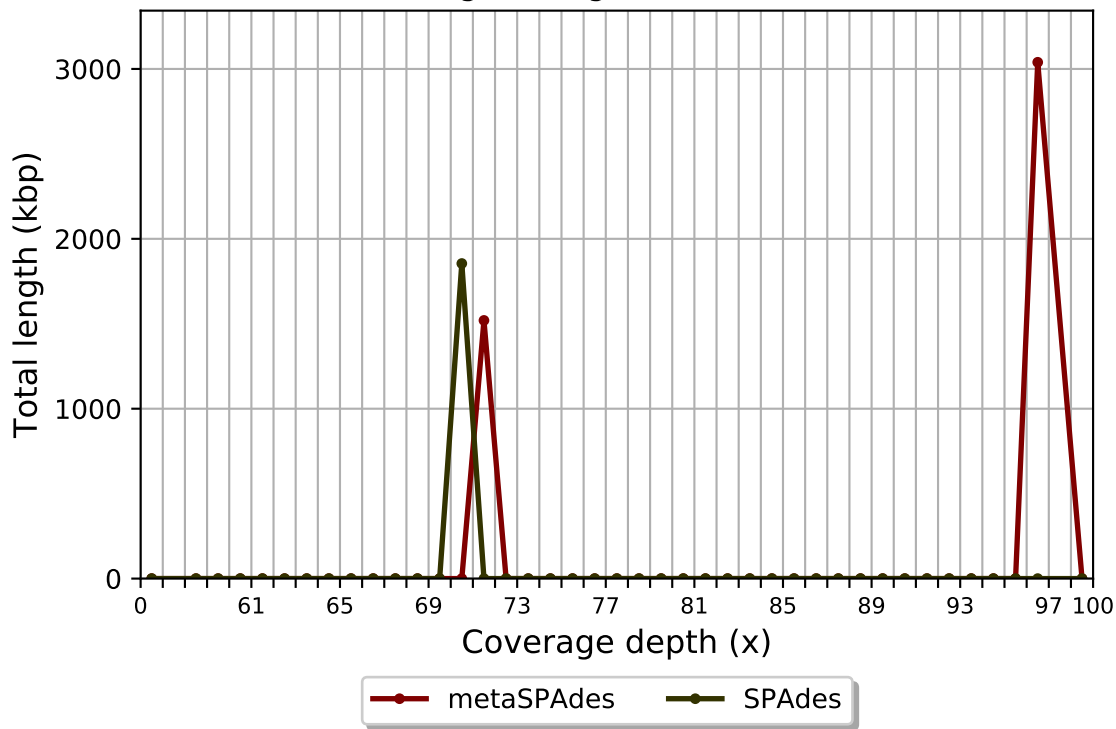
OPERA_MS_inhouse

SPAdes GC content

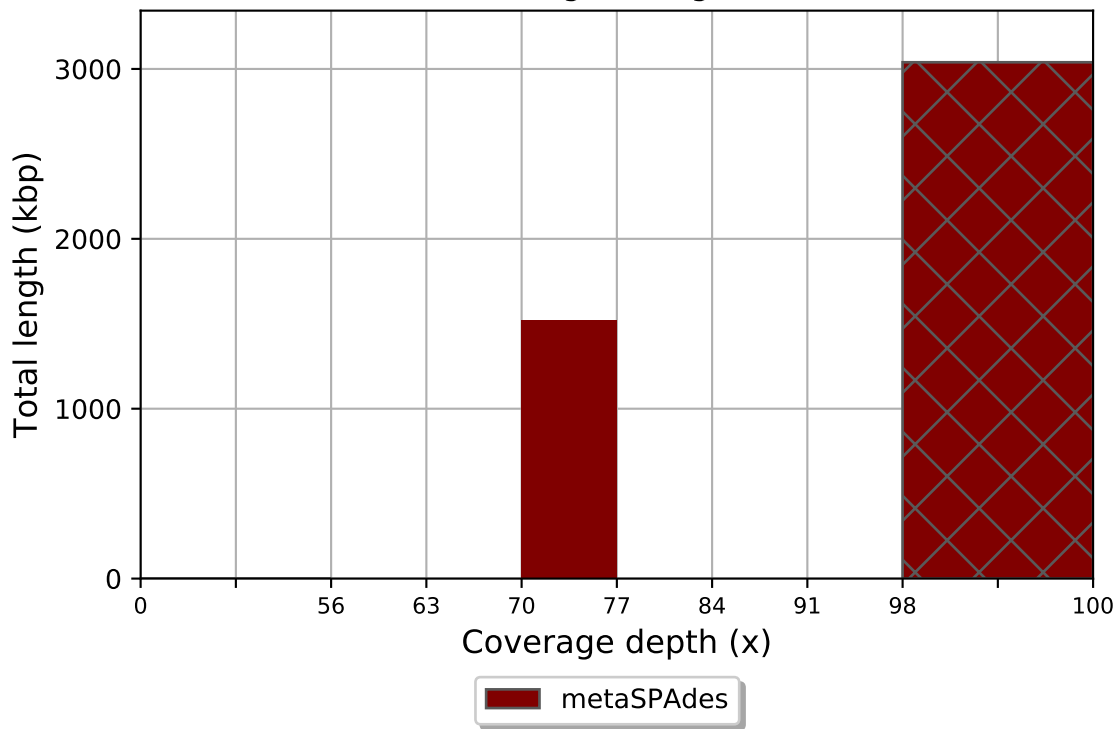


SPAdes

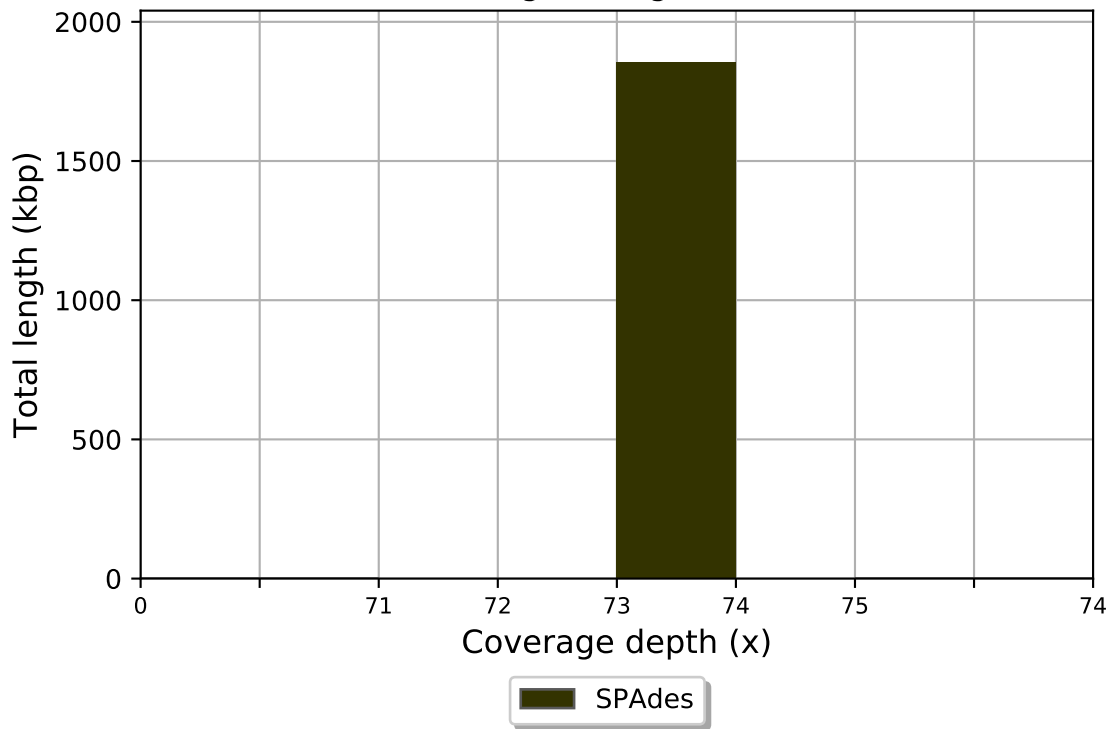
Coverage histogram (bin size: 1x)



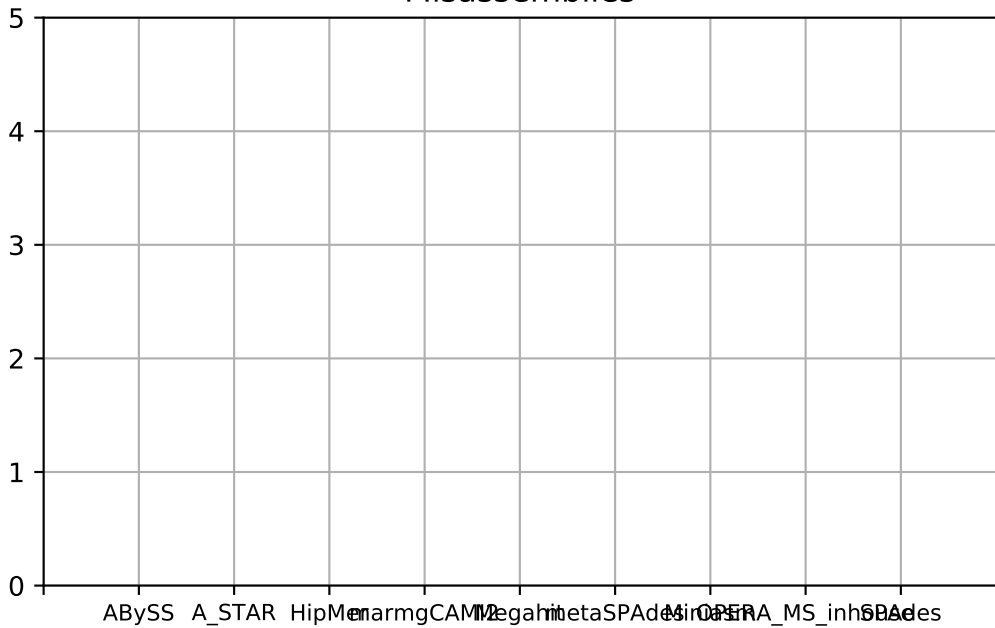
metaSPAdes coverage histogram (bin size: 7x)



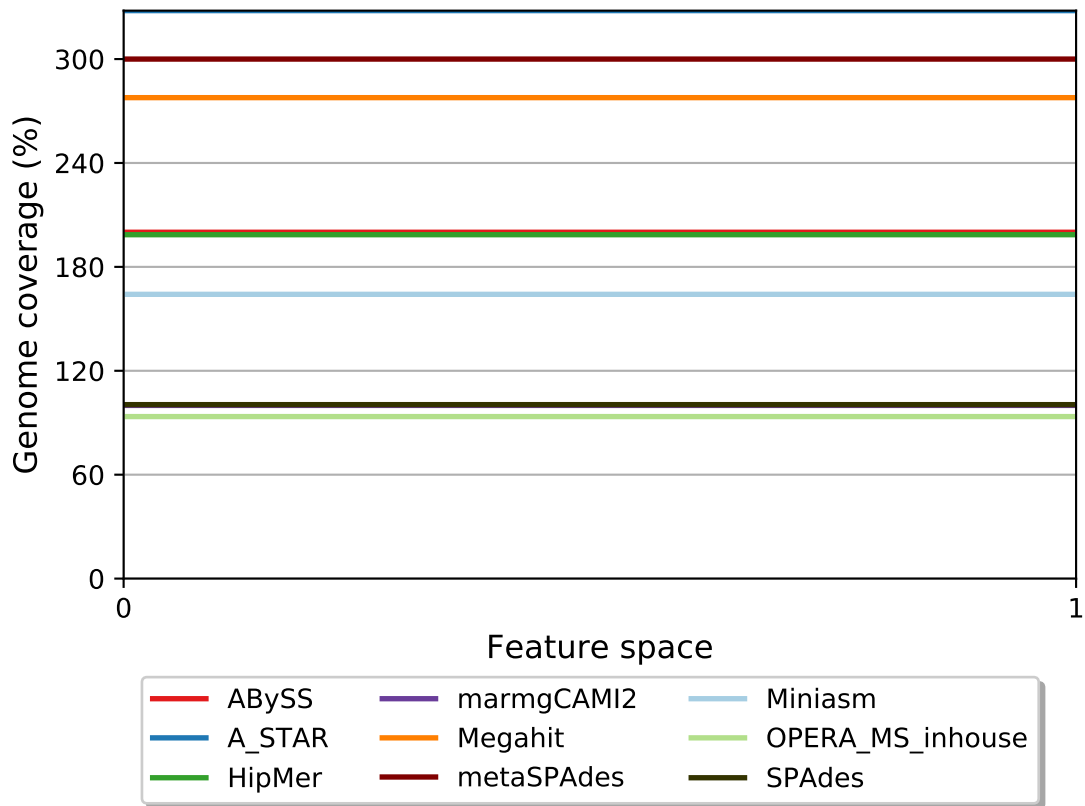
SPAdes coverage histogram (bin size: 1x)



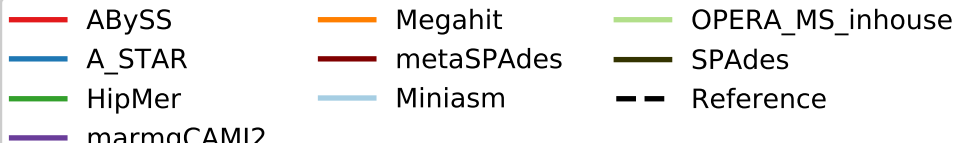
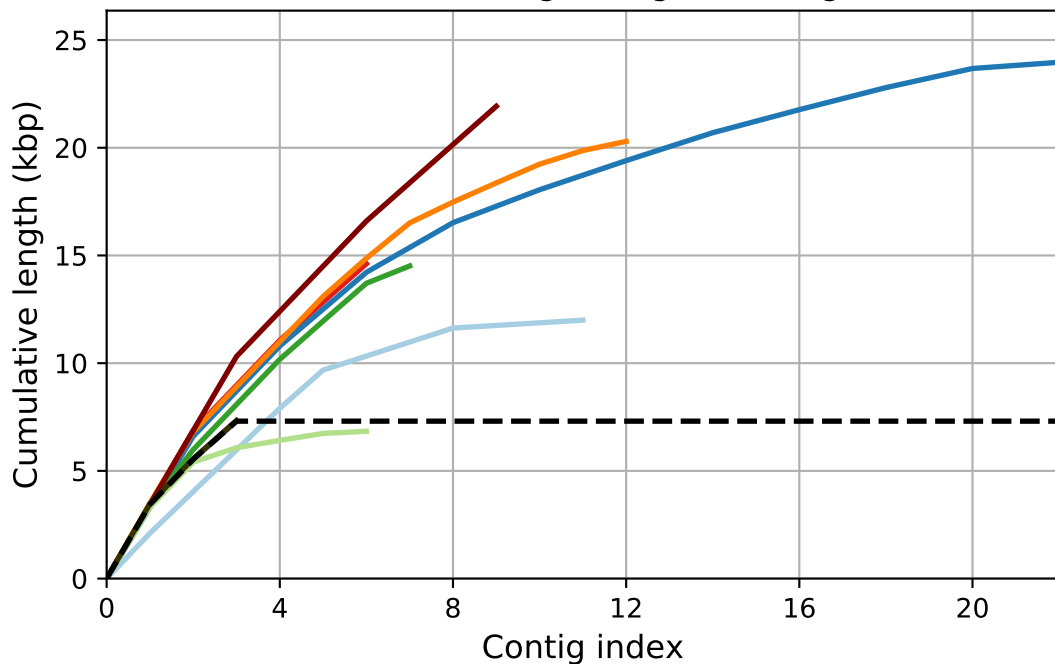
Misassemblies



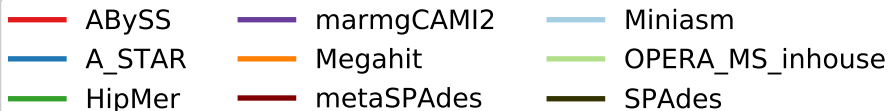
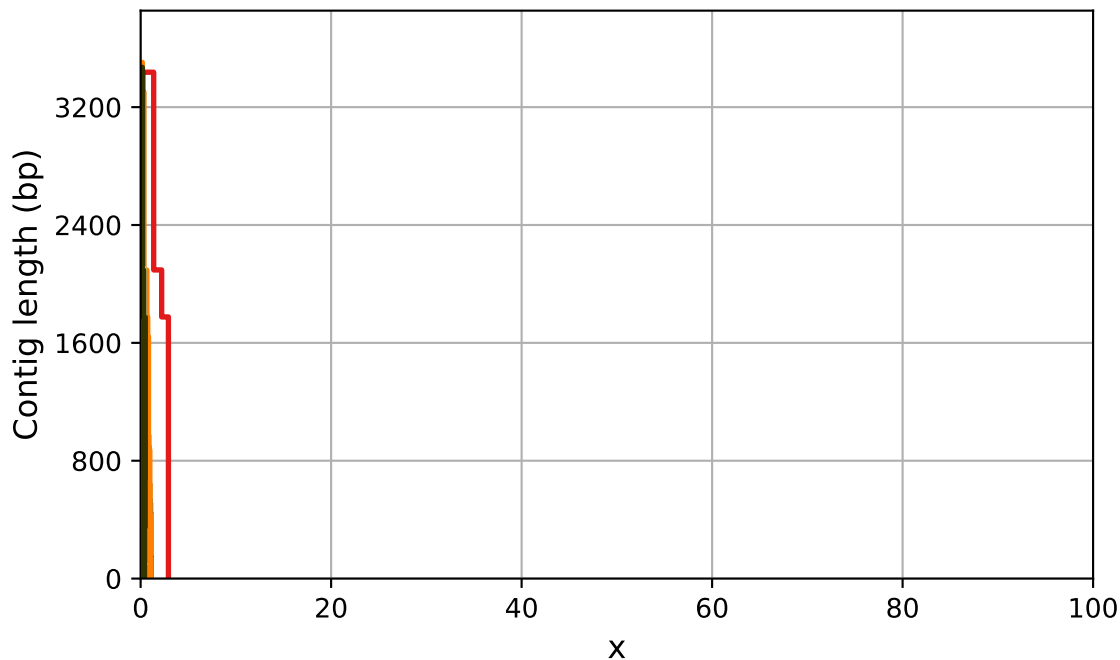
FRCurve (misassemblies)



Cumulative length (aligned contigs)



NAX



NGAx

