

# Report

	canu_assembly	canu_assembly_polished	flye_assembly	flye_assembly_polished
# contigs (>= 0 bp)	192	192	164	164
# contigs (>= 1000 bp)	192	192	103	103
# contigs (>= 5000 bp)	185	185	59	59
# contigs (>= 10000 bp)	183	183	49	49
# contigs (>= 25000 bp)	162	162	37	37
# contigs (>= 50000 bp)	112	112	31	31
Total length (>= 0 bp)	122977739	123001103	119963782	119950311
Total length (>= 1000 bp)	122977739	123001103	119925361	119911914
Total length (>= 5000 bp)	122951239	122974598	119824915	119811844
Total length (>= 10000 bp)	122937652	122960987	119752542	119739466
Total length (>= 25000 bp)	122573799	122598770	119566446	119553357
Total length (>= 50000 bp)	120695097	120723224	119355633	119342541
# contigs	190	190	70	70
Largest contig	11567090	11570839	15013467	15013354
Total length	122973098	122996456	119869541	119856063
Estimated reference length	135000000	135000000	135000000	135000000
GC (%)	36.27	36.26	36.05	36.05
N50	3435125	3436535	14082887	14082808
NG50	3388652	3389707	14082887	14082808
N90	426854	427111	3443320	3443144
NG90	42912	43856	-	-
auN	4810862.4	4813051.9	12051185.8	12051151.6
auNG	4382271.5	4385098.8	10700519.3	10699285.8
L50	10	10	5	5
LG50	11	11	5	5
L90	45	45	9	9
LG90	130	129	-	-
# total reads	78141747	78254473	81407259	81259939
# left	38736128	38792423	40347211	40272521
# right	38636733	38693164	40291162	40218532
Mapped (%)	100.88	100.88	69.89	71.06
Properly paired (%)	91.03	90.97	63.86	64.52
Avg. coverage depth	143	144	89	90
Coverage >= 1x (%)	100.0	100.0	100.0	100.0
# N's per 100 kbp	0.00	0.00	1.00	0.71

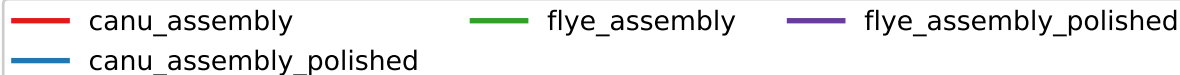
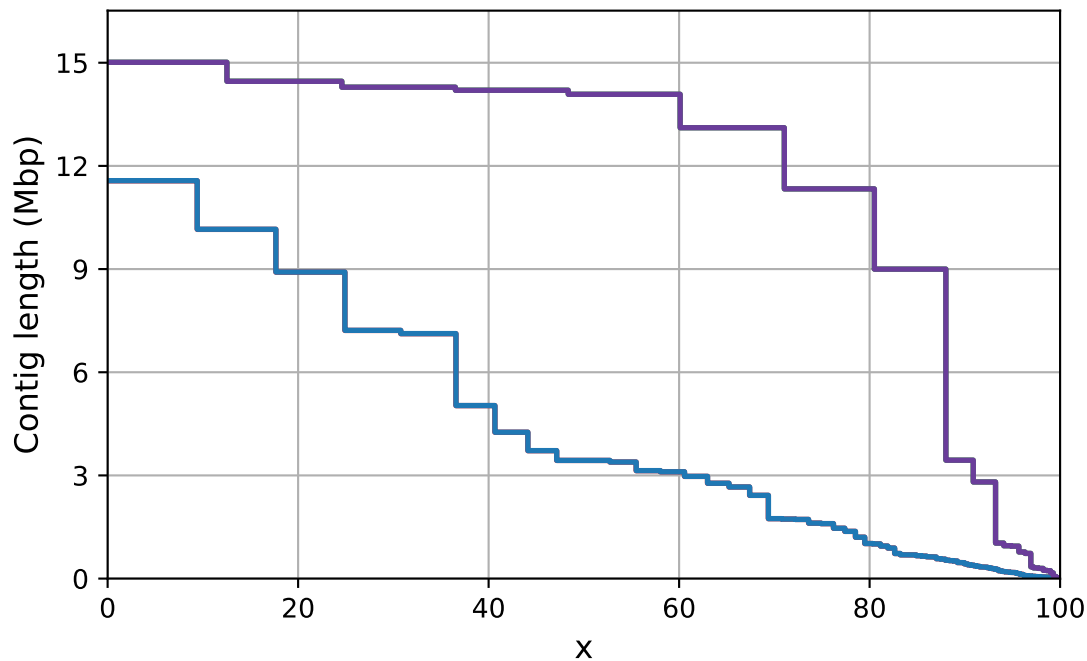
All statistics are based on contigs of size >= 3000 bp, unless otherwise noted (e.g., "# contigs (>= 0 bp)" and "Total length (>= 0 bp)" include all contigs).

## Reads report

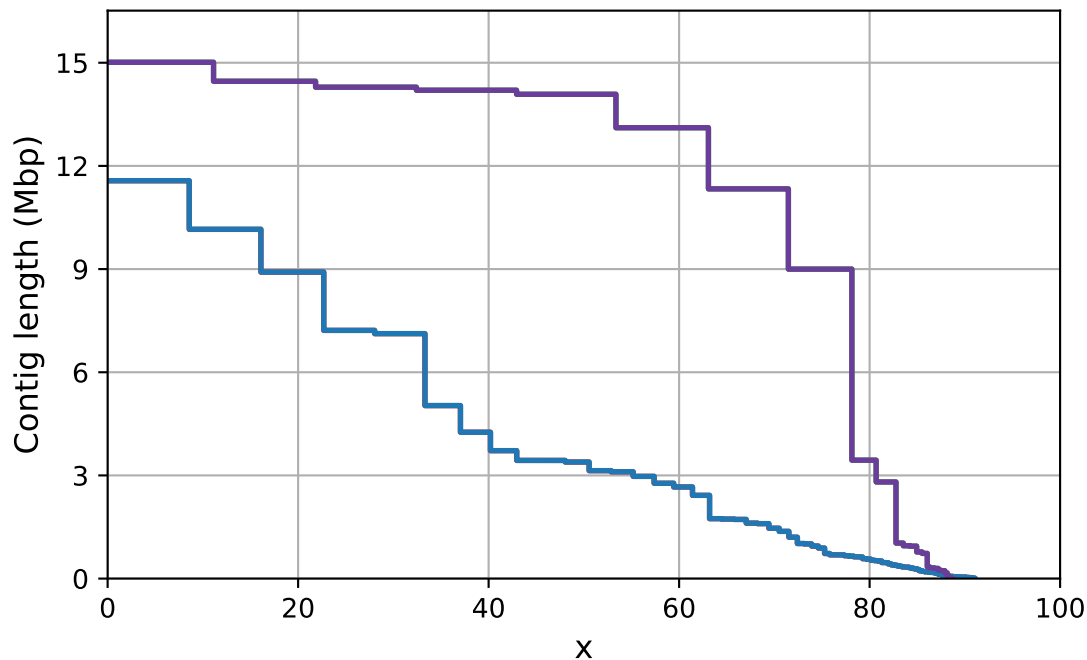
	canu_assembly	canu_assembly_polished	flye_assembly	flye_assembly_polished
# total reads	78141747	78254473	81407259	81259939
# left	38736128	38792423	40347211	40272521
# right	38636733	38693164	40291162	40218532
# mapped	78829553	78940335	56895950	57742543
Mapped (%)	100.88	100.88	69.89	71.06
# properly paired	71134290	71190502	51989426	52428234
Properly paired (%)	91.03	90.97	63.86	64.52
# singletons	72627	72150	506797	488062
Singletons (%)	0.09	0.09	0.62	0.6
# misjoint mates	4800570	4856482	2625016	2811558
Misjoint mates (%)	6.14	6.21	3.22	3.46
Avg. coverage depth	143	144	89	90
Coverage >= 1x (%)	100.0	100.0	100.0	100.0
Coverage >= 5x (%)	99.98	99.97	99.96	99.96
Coverage >= 10x (%)	99.94	99.92	99.94	99.94

All statistics are based on contigs of size  $\geq 3000$  bp, unless otherwise noted (e.g., "# contigs ( $\geq 0$  bp)" and "Total length ( $\geq 0$  bp)" include all contigs).

Nx

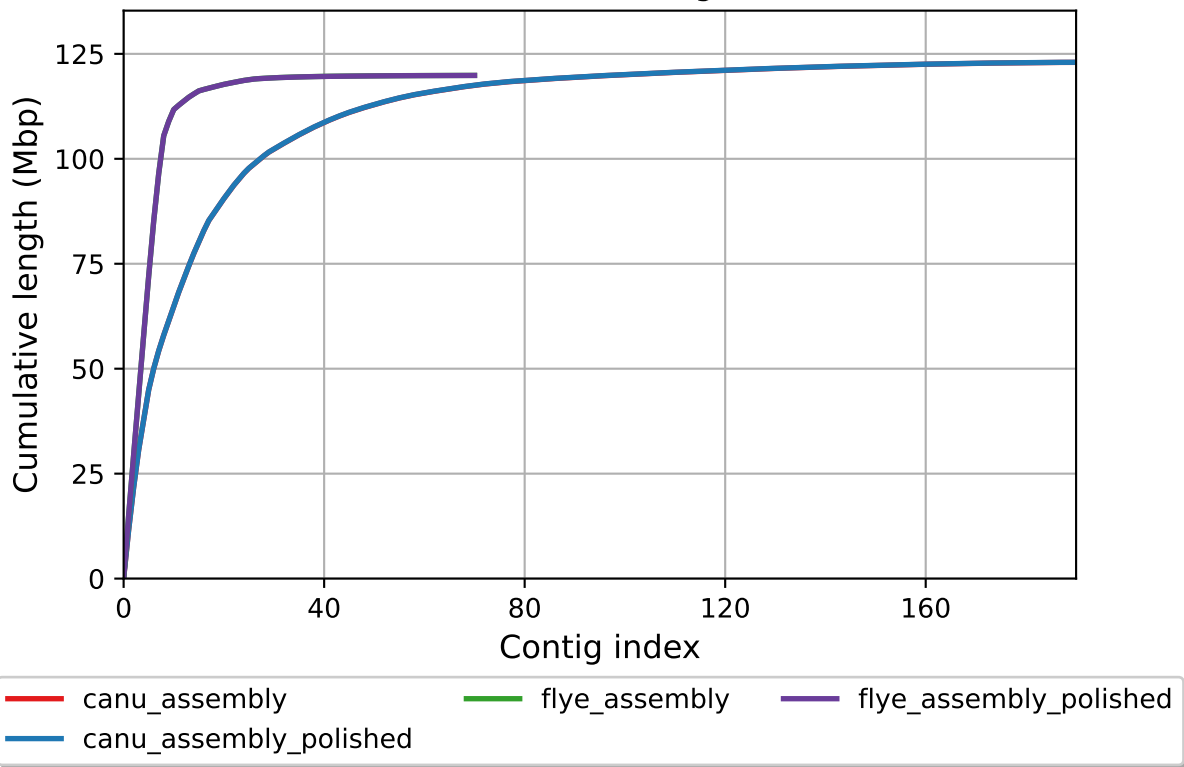


# NGx

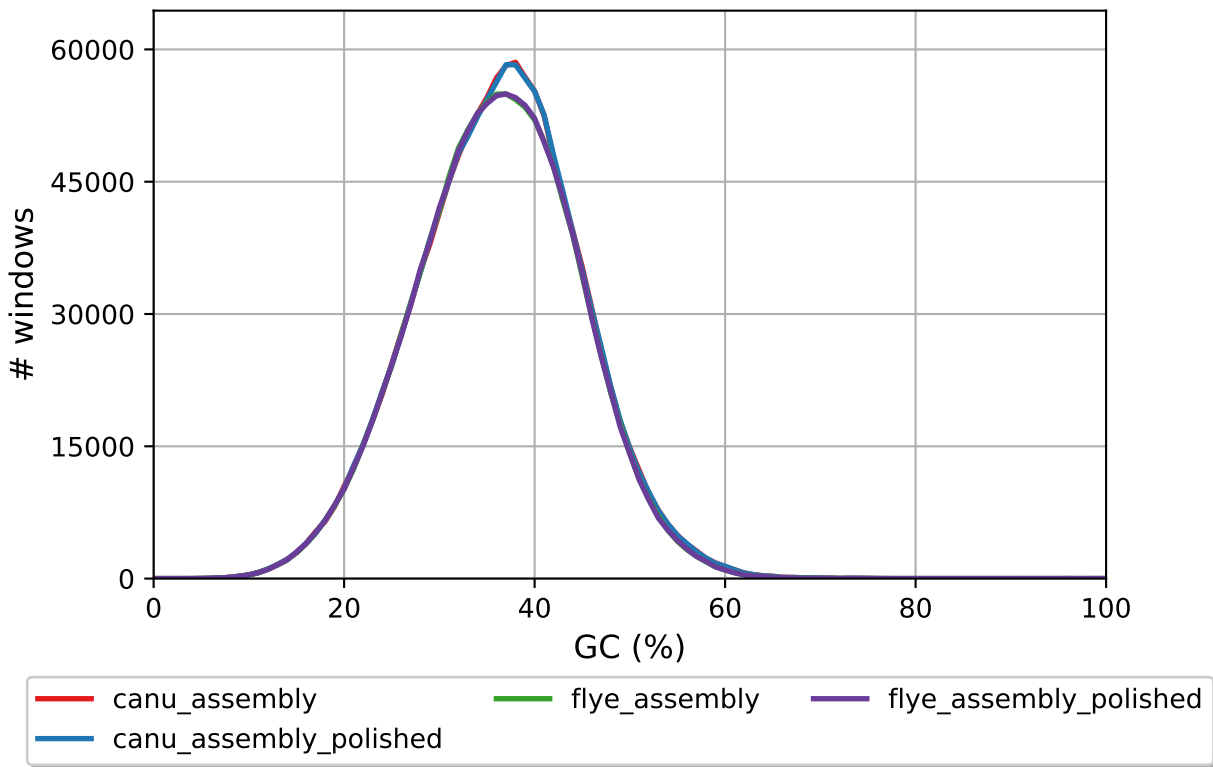


canu\_assembly flye\_assembly flye\_assembly\_polished  
canu\_assembly\_polished

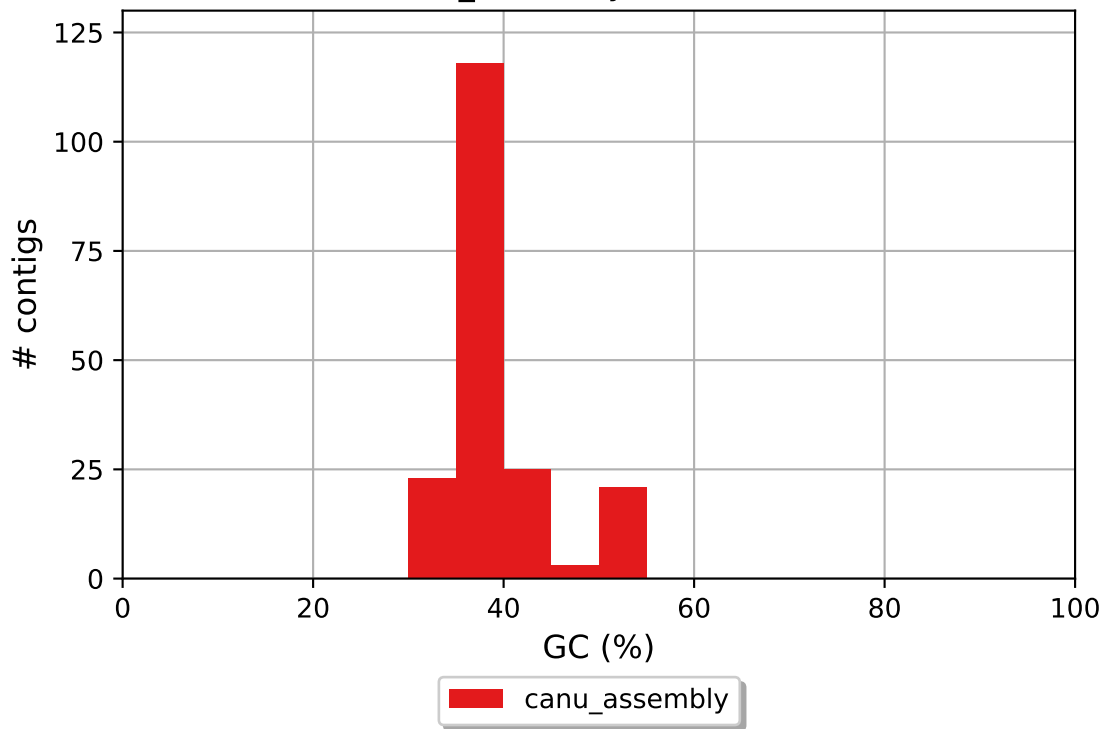
Cumulative length



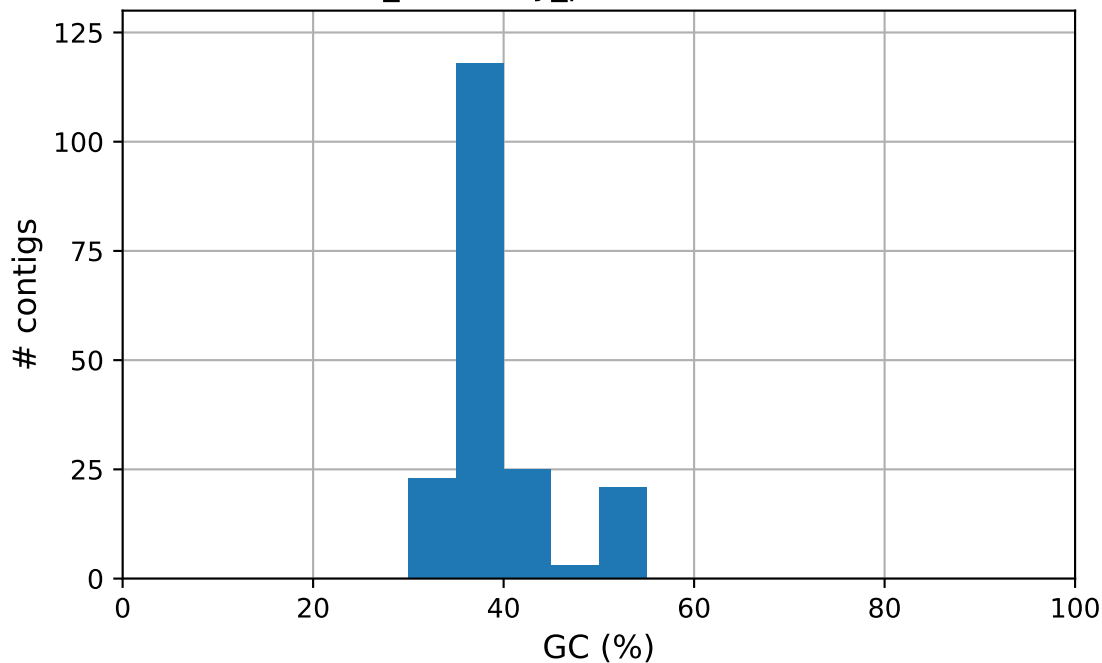
GC content



canu\_assembly GC content



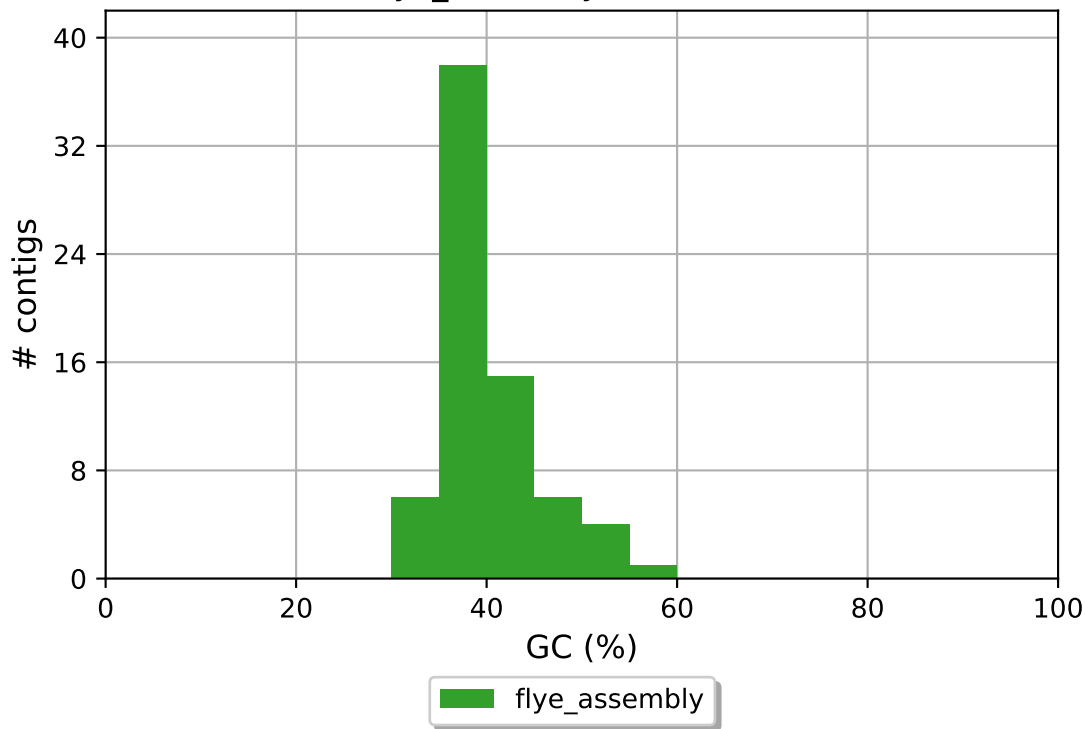
canu\_assembly\_polished GC content



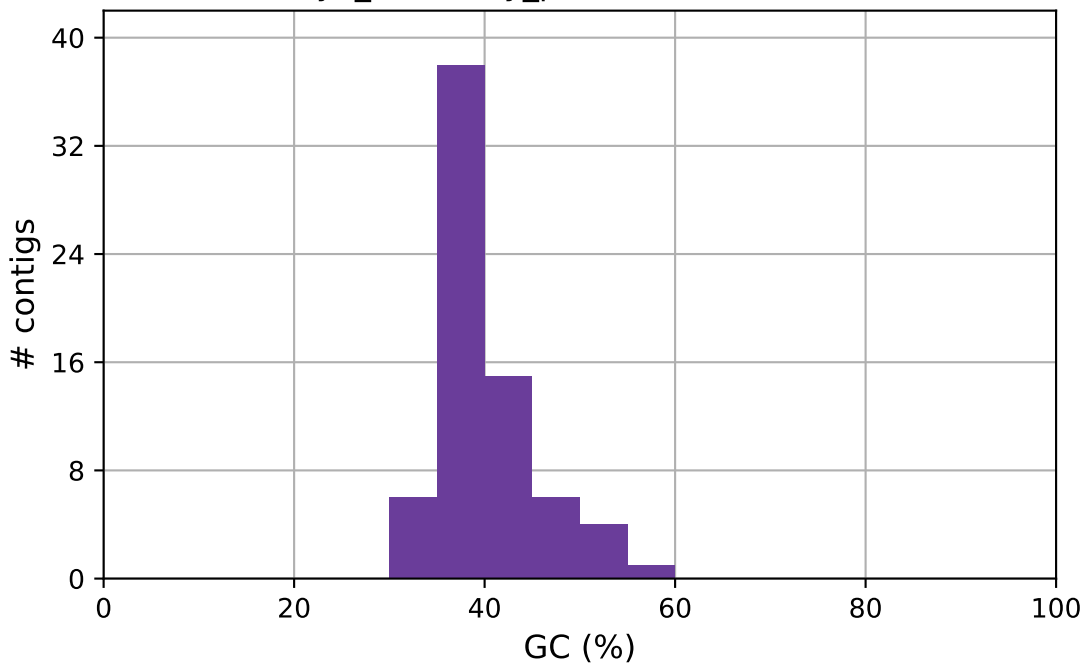
canu\_assembly\_polished



flye\_assembly GC content



flye\_assembly\_polished GC content



flye\_assembly\_polished