

Report

	k44_M05964-contigs	k44_M07572-contigs	k44_M10540-contigs	k44_M16180-contigs	k77_M05964-contigs	k77_M07572-contigs	k77_M10540-contigs	k77_M16180-contigs	k127_M05964-contigs	k127_M07572-contigs	k127_M10540-contigs	k127_M16180-contigs	k99_M05964-contigs	k99_M07572-contigs	k99_M10540-contigs	k99_M16180-contigs
# contigs (>= 0 bp)	134	261	69	141	84	126	38	69	41	55	19	36	61	72	23	42
# contigs (>= 1000 bp)	36	72	29	49	36	51	21	33	35	43	15	26	36	42	17	28
# contigs (>= 5000 bp)	31	47	27	39	27	34	20	31	21	35	14	22	23	36	15	26
# contigs (>= 10000 bp)	25	36	24	30	23	29	18	25	18	23	12	17	19	25	13	20
# contigs (>= 25000 bp)	19	26	16	22	18	20	13	21	16	17	10	15	15	18	11	18
# contigs (>= 50000 bp)	9	13	9	12	9	13	9	13	10	12	7	13	8	11	7	14
Total length (>= 0 bp)	1856487	2018561	1846668	1875236	1861765	2033998	1843463	1877718	1943458	2047751	1839699	1890630	1868767	2042415	1834414	1893788
Total length (>= 1000 bp)	1843001	1993863	1841807	1860135	1852825	2015592	1840271	1870234	1941913	2044301	1838715	1887625	1863738	2032406	1832278	1889956
Total length (>= 5000 bp)	1828185	1920860	1837035	1838044	1832670	1957892	1836531	1865087	1912787	2021558	1836960	1877331	1836604	2013233	1826810	1884609
Total length (>= 10000 bp)	1778633	1849422	1816581	1771774	1800812	1923302	1825488	1825390	1890847	1931796	1826417	1843900	1805426	1934655	1816267	1845458
Total length (>= 25000 bp)	1686546	1676512	1703942	1624648	1727524	1769021	1765750	1755503	1863980	1826189	1801233	1812508	1751712	1808181	1794781	1810534
Total length (>= 50000 bp)	1298668	1254806	1445343	1313950	1393482	1533445	1618312	1496920	1632852	1659461	1701763	1755696	1485927	1564002	1649111	1681577
# contigs	41	74	30	56	38	59	22	37	35	43	16	27	37	46	19	30
Largest contig	473423	217183	334836	369249	343779	312213	400731	369262	550439	312376	409689	401071	550431	312355	400825	401071
Total length	1846118	1995099	1842389	1864193	1854153	2022140	1840807	1872401	1941913	2044301	1839251	1888140	1864279	2035777	1833634	1891040
Reference length	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802	1811802
GC (%)	37.95	38.36	38.10	38.08	37.95	38.40	38.10	38.09	38.00	38.44	38.07	38.18	38.00	38.44	38.04	38.18
Reference GC (%)	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07	38.07
N50	97979	80448	157960	82364	144973	103159	285281	100164	183050	141208	333934	138055	182978	141152	311520	125281
NG50	97979	84558	157960	85597	144973	130205	285281	100164	183050	166144	333934	138055	182978	141152	311520	125281
N75	44883	33152	63553	33896	60895	52032	83976	52751	75809	77394	191716	96606	79438	53598	189976	73822
NG75	44883	38074	63553	36285	60895	67108	191715	57916	81560	93346	191716	116061	79438	92226	189976	78232
L50	5	9	4	7	4	6	3	5	3	5	3	5	3	5	3	5
LG50	5	8	4	6	4	5	3	5	3	4	3	5	3	5	3	5
L75	11	20	8	15	9	13	6	12	8	10	5	9	7	11	5	10
LG75	11	16	8	14	9	11	5	11	7	8	5	8	7	8	5	9
# misassemblies	32	37	61	36	42	42	64	40	44	44	88	40	44	43	83	41
# misassembled contigs	17	18	18	17	20	15	14	16	17	15	12	10	18	15	12	13
Misassembled contigs length	1520796	1315757	1360271	1419762	1726012	1590252	1368835	1517276	1780129	1769765	1775785	1553783	1750004	1718292	1711777	1553489
# local misassemblies	65	61	26	53	63	68	29	62	66	68	39	65	65	68	38	63
# unaligned contigs	5 + 1 part	27 + 12 part	2 + 8 part	12 + 12 part	5 + 0 part	24 + 8 part	1 + 6 part	7 + 7 part	3 + 0 part	16 + 4 part	1 + 2 part	5 + 4 part	5 + 0 part	16 + 6 part	2 + 4 part	5 + 6 part
Unaligned length	69562	232505	258531	140958	22076	200245	265497	117624	12276	177184	40736	123687	22862	193950	87746	148649
Genome fraction (%)	87.807	86.779	59.899	84.917	87.909	87.240	61.856	84.740	89.454	87.527	60.590	85.898	89.414	87.313	60.383	85.681
Duplication ratio	1.117	1.121	1.459	1.120	1.150	1.153	1.406	1.143	1.191	1.177	1.638	1.134	1.137	1.164	1.596	1.122
# N's per 100 kbp	8.29	8.32	0.05	1.45	1.19	0.49	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
# mismatches per 100 kbp	2566.67	2672.84	3636.33	2513.32	2561.58	2669.08	3658.95	2518.16	2587.98	2660.35	3637.93	2518.73	2589.13	2663.56	3639.06	2508.68
# indels per 100 kbp	66.25	64.37	93.07	66.56	66.68	67.51	97.80	64.87	71.02	67.85	95.19	70.17	70.80	67.39	93.23	70.22
Largest alignment	148362	199130	45869	199563	133923	226547	54089	199576	148362	226563	54143	226968	148362	226559	82059	226968
NA50	30512	27653	6988	29514	29042	28091	9960	37620	49030	28434	10507	38475	48722	28996	10507	37642
NGA50	32756	30826	7390	37459	32789	35479	10424	37620	51623	38532	10744	40791	48722	37690	10744	38438
NA75	13095	6084	-	8698	12938	8004	-	12702	16720	8004	-	13920	15692	8004	-	13447
NGA75	13678	14058	-	10366	14257	15896	-	13920	19153	16241	-	14782	17216	16241	-	14646
LA50	12	17	49	15	12	16	42	14	11	15	40	13	10	15	39	14
LGA50	11	14	46	14	11	13	41	14	10	11	39	12	10	12	38	13
LA75	34	51	-	42	35	45	-	37	30	44	-	34	31	45	-	36
LGA75	32	35	-	38	32	32	-	34	25	29	-	30	28	30	-	31

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

	k44_M05964-contigs	k44_M07572-contigs	k44_M10540-contigs	k44_M16180-contigs	k77_M05964-contigs	k77_M07572-contigs	k77_M10540-contigs	k77_M16180-contigs	k127_M05964-contigs	k127_M07572-contigs	k127_M10540-contigs	k127_M16180-contigs	k99_M05964-contigs	k99_M07572-contigs	k99_M10540-contigs	k99_M16180-contigs
# misassemblies	32	37	61	36	42	42	64	40	44	44	88	40	44	43	83	41
# relocations	31	37	59	36	42	42	62	40	43	44	88	40	43	43	83	41
# translocations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# inversions	1	0	2	0	0	0	2	0	1	0	0	0	1	0	0	0
# misassembled contigs	17	18	18	17	20	15	14	16	17	15	12	10	18	15	12	13
Misassembled contigs length	1520796	1315757	1360271	1419762	1726012	1590252	1368835	1517276	1780129	1769765	1775785	1553783	1750004	1718292	1711777	1553489
# local misassemblies	65	61	26	53	63	68	29	62	66	68	39	65	65	68	38	63
# mismatches	40833	42024	39463	38668	40799	42188	41006	38662	41944	42188	39936	39199	41944	42136	39812	38944
# indels	1054	1012	1010	1024	1062	1067	1096	996	1151	1076	1045	1092	1147	1066	1020	1090
# short indels	929	898	926	910	935	943	998	876	1008	946	949	963	1003	940	925	959
# long indels	125	114	84	114	127	124	98	120	143	130	96	129	144	126	95	131
Indels length	3133	3059	2193	2979	3222	3229	2585	2995	3546	3398	2514	3239	3543	3393	2479	3246

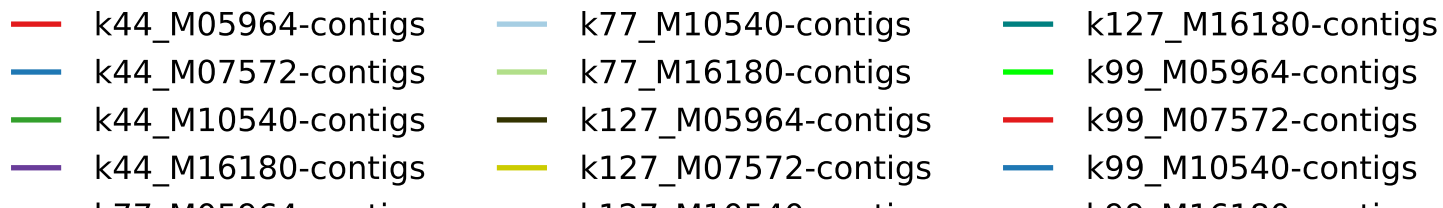
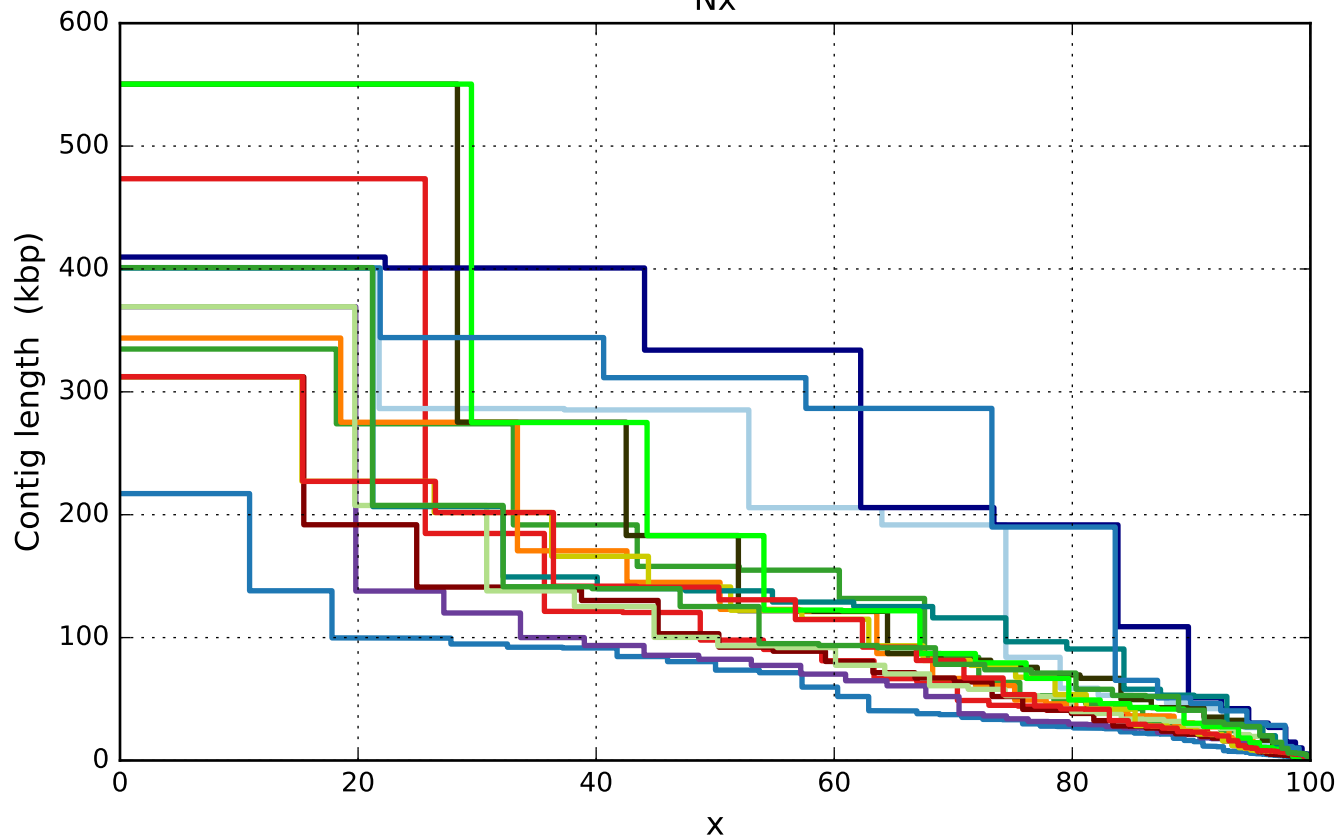
All statistics are based on contigs of size ≥ 500 bp, unless otherwise noted (e.g., "# contigs (≥ 0 bp)" and "Total length (≥ 0 bp)" include all contigs).

Unaligned report

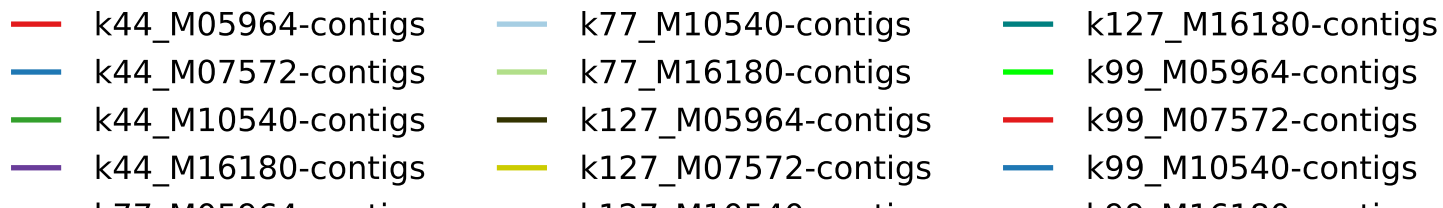
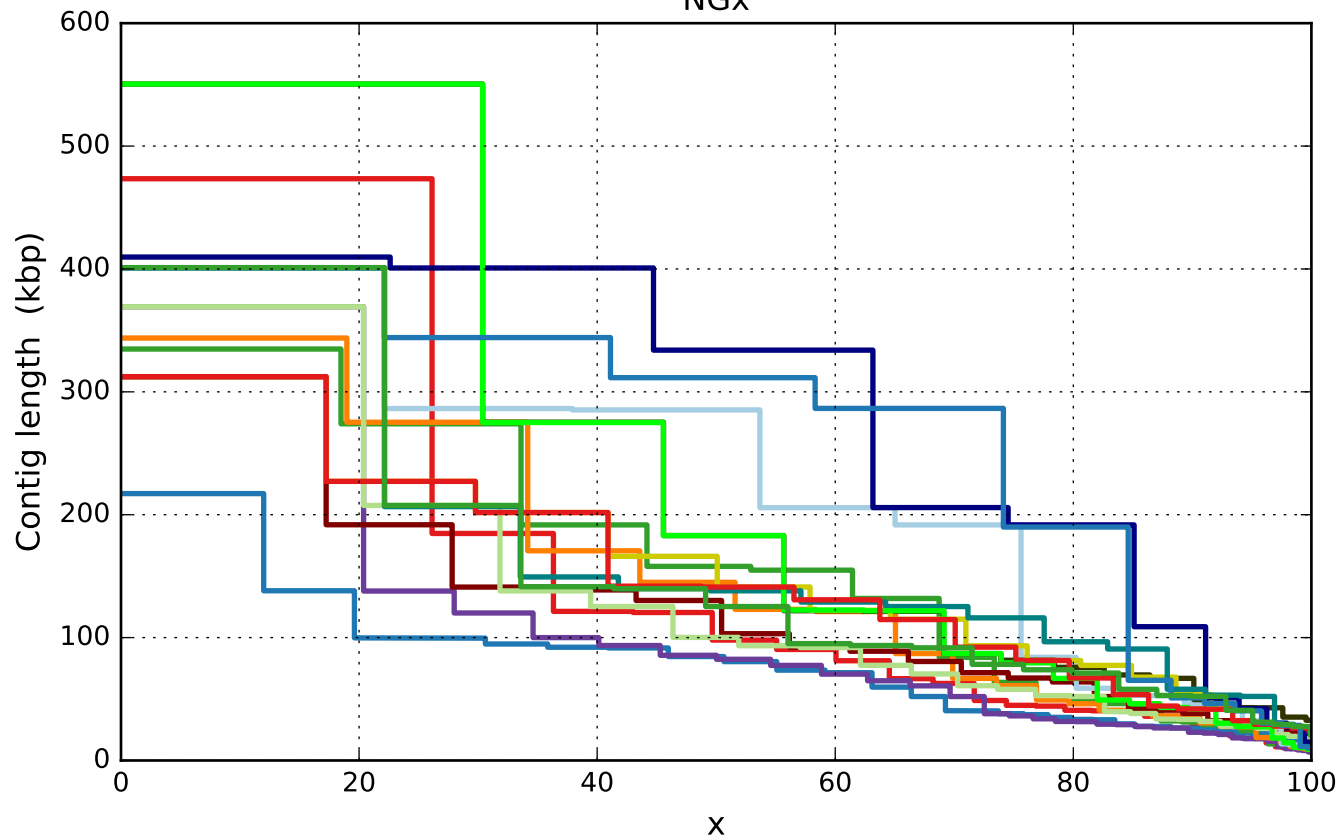
	k44_M05964-contigs	k44_M07572-contigs	k44_M10540-contigs	k44_M16180-contigs	k77_M05964-contigs	k77_M07572-contigs	k77_M10540-contigs	k77_M16180-contigs	k127_M05964-contigs	k127_M07572-contigs	k127_M10540-contigs	k127_M16180-contigs	k99_M05964-contigs	k99_M07572-contigs	k99_M10540-contigs	k99_M16180-contigs
# fully unaligned contigs	5	27	2	12	5	24	1	7	3	16	1	5	5	16	2	5
Fully unaligned length	65316	174707	1614	56809	22076	118873	536	26938	12276	136159	536	24064	22862	118046	1356	23943
# partially unaligned contigs	1	12	8	12	0	8	6	7	0	4	2	4	0	6	4	6
# with misassembly	1	1	6	2	0	1	5	1	0	2	2	2	0	2	3	3
# both parts are significant	1	5	8	9	0	4	6	7	0	4	2	4	0	5	4	6
Partially unaligned length	4246	57798	256917	84149	0	81372	264961	90686	0	41025	40200	99623	0	75904	86390	124706
# N's	153	166	1	27	22	10	0	15	0	0	0	0	0	0	1	1

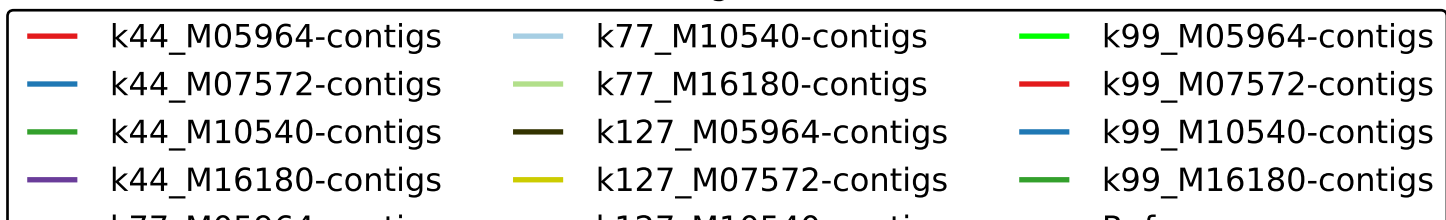
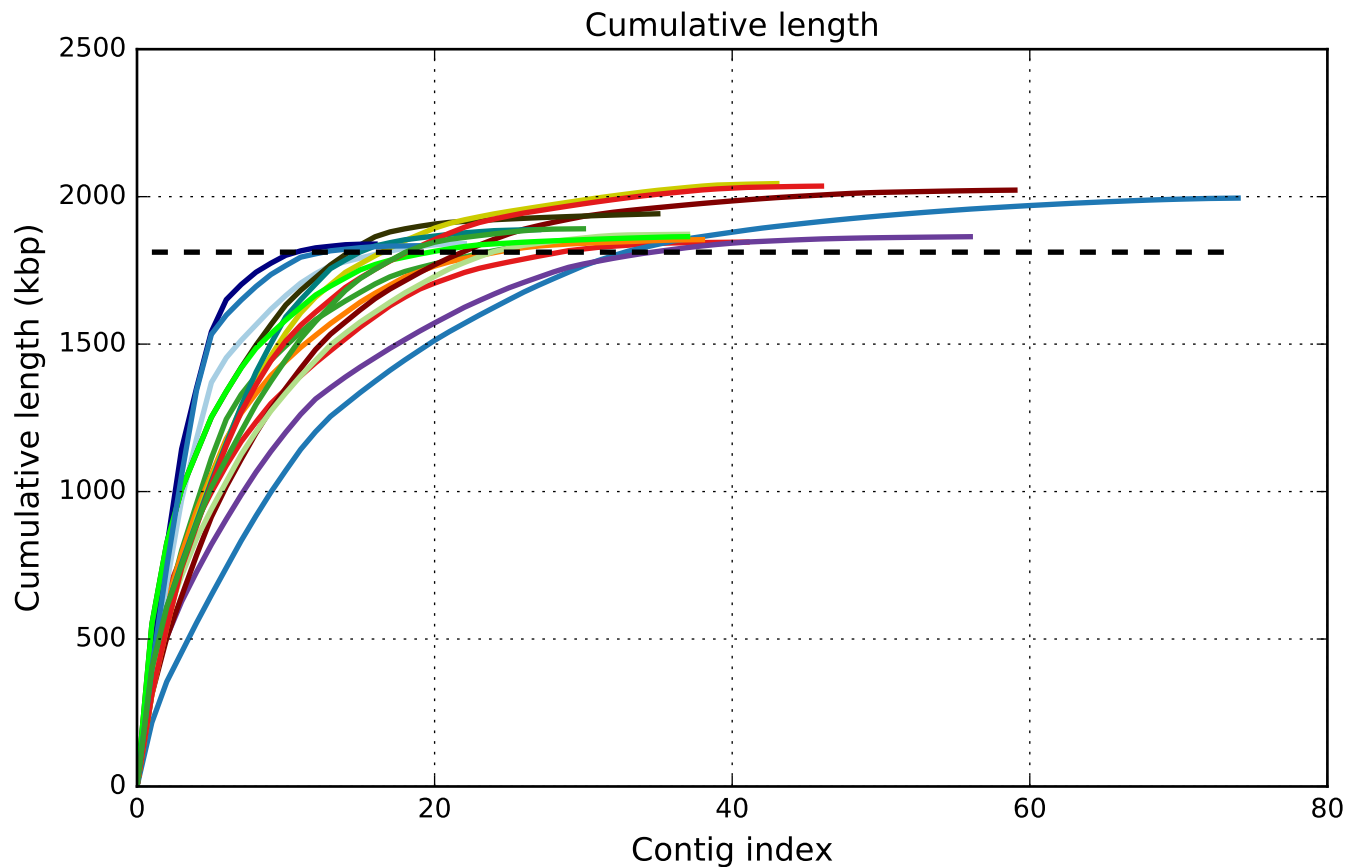
All statistics are based on contigs of size ≥ 500 bp, unless otherwise noted (e.g., "# contigs (≥ 0 bp)" and "Total length (≥ 0 bp)" include all contigs).

Nx

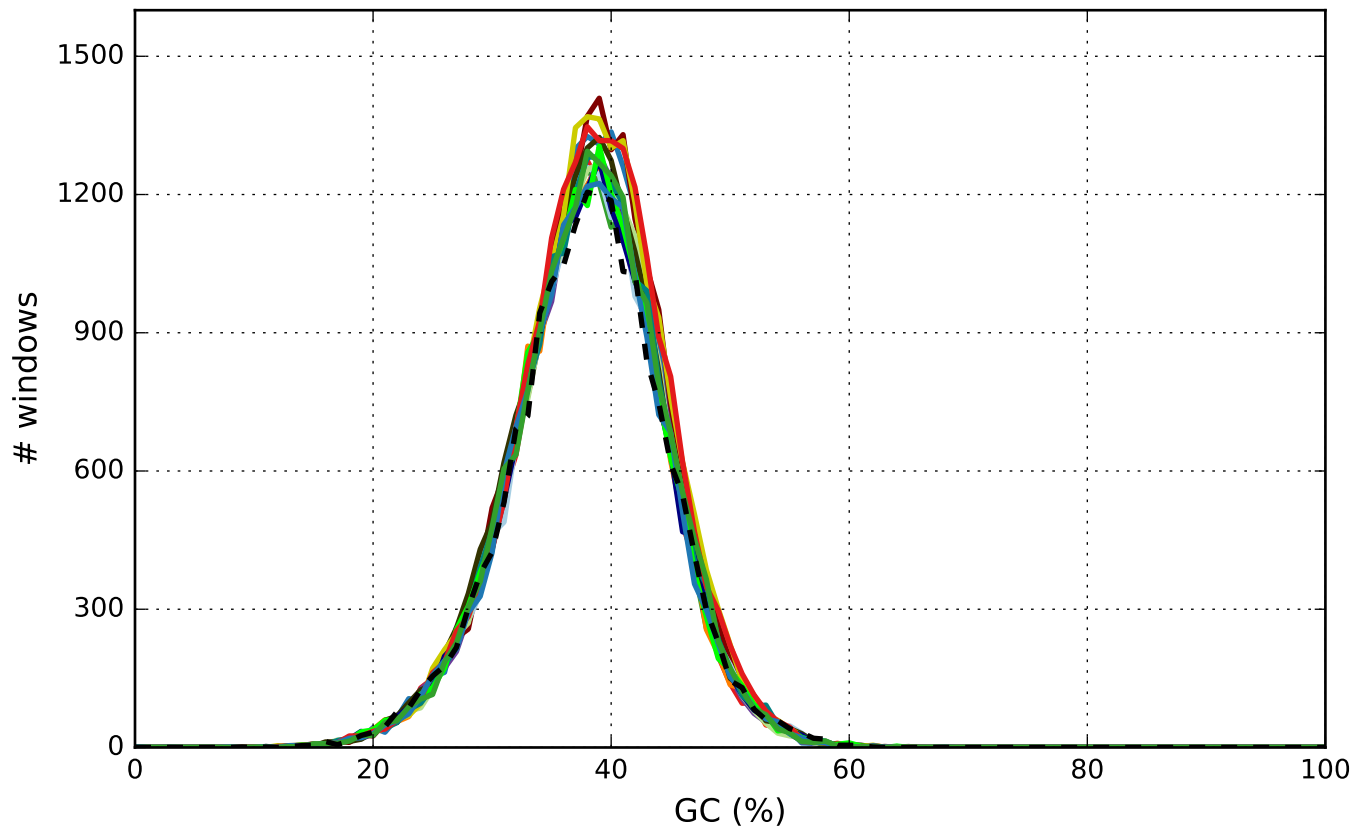


NGx



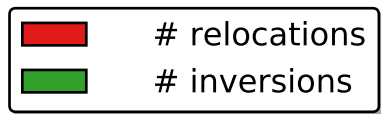
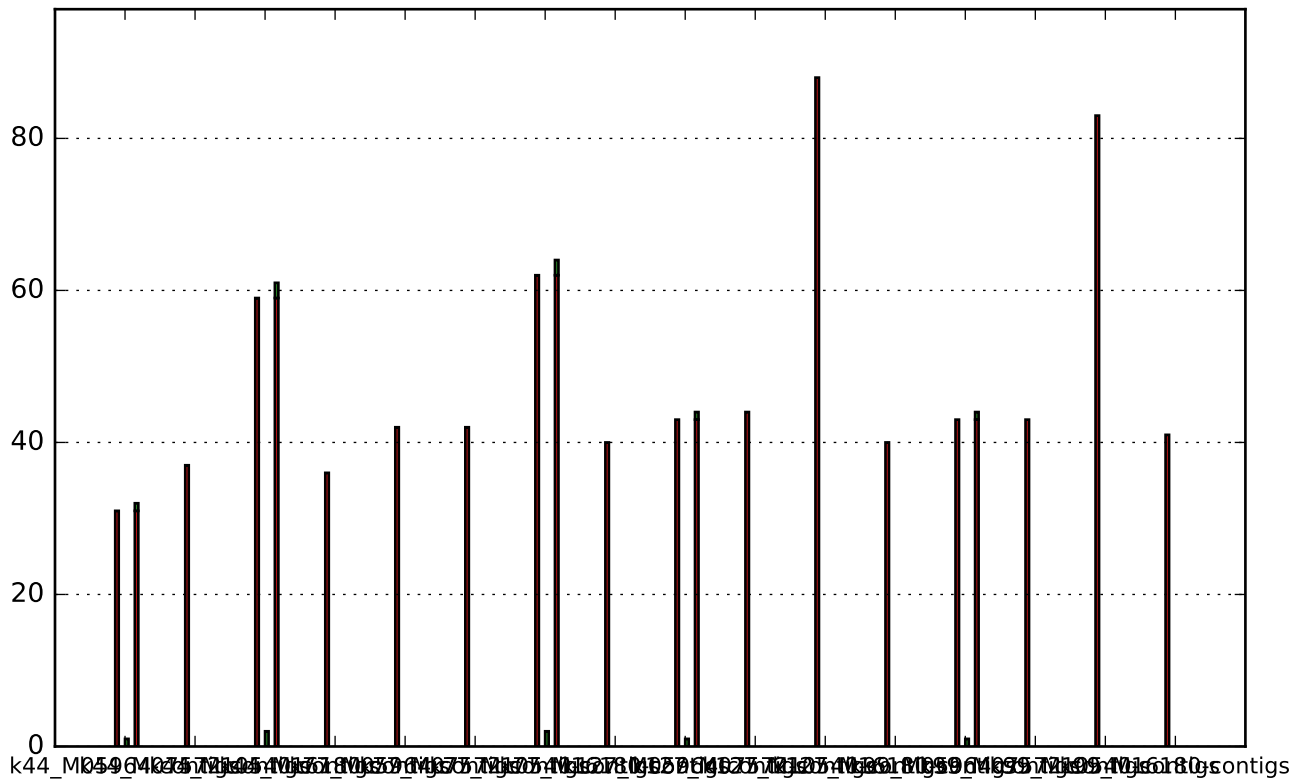


GC content

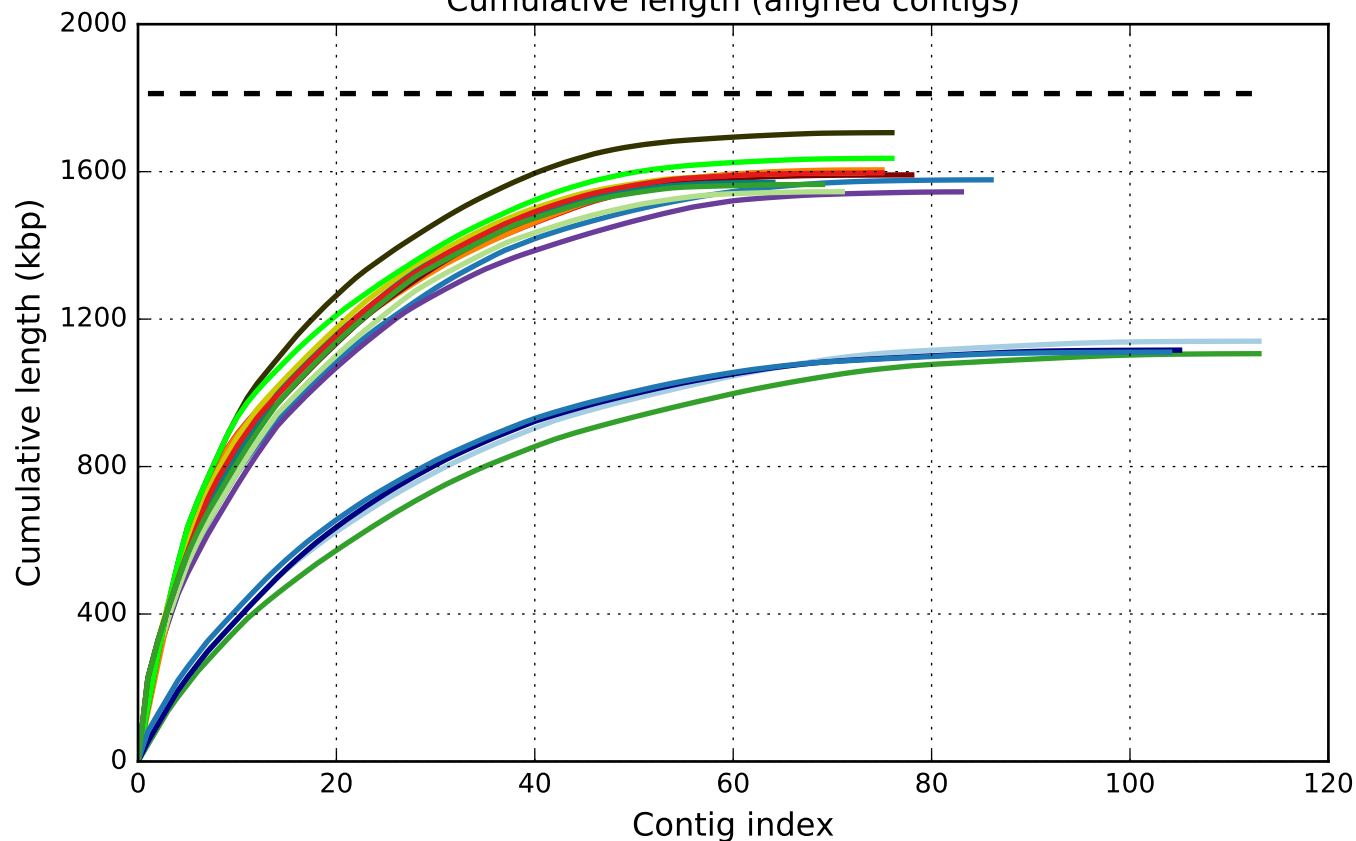


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|--------------------|---------------------|--------------------|
| k44_M05964-contigs | k77_M10540-contigs | k99_M05964-contigs |
| k44_M07572-contigs | k77_M16180-contigs | k99_M07572-contigs |
| k44_M10540-contigs | k127_M05964-contigs | k99_M10540-contigs |
| k44_M16180-contigs | k127_M07572-contigs | k99_M16180-contigs |

Misassemblies

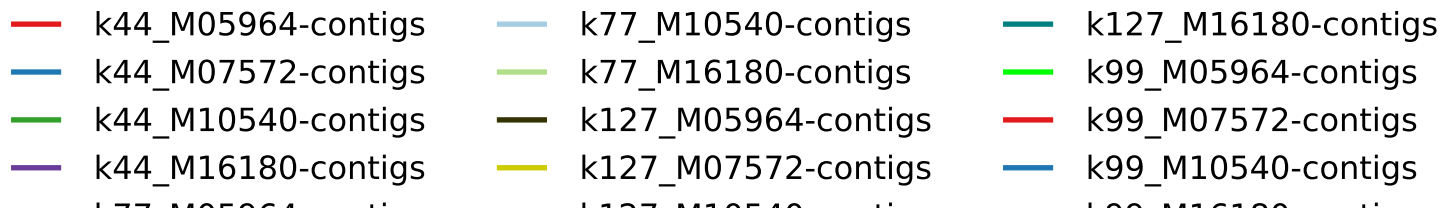
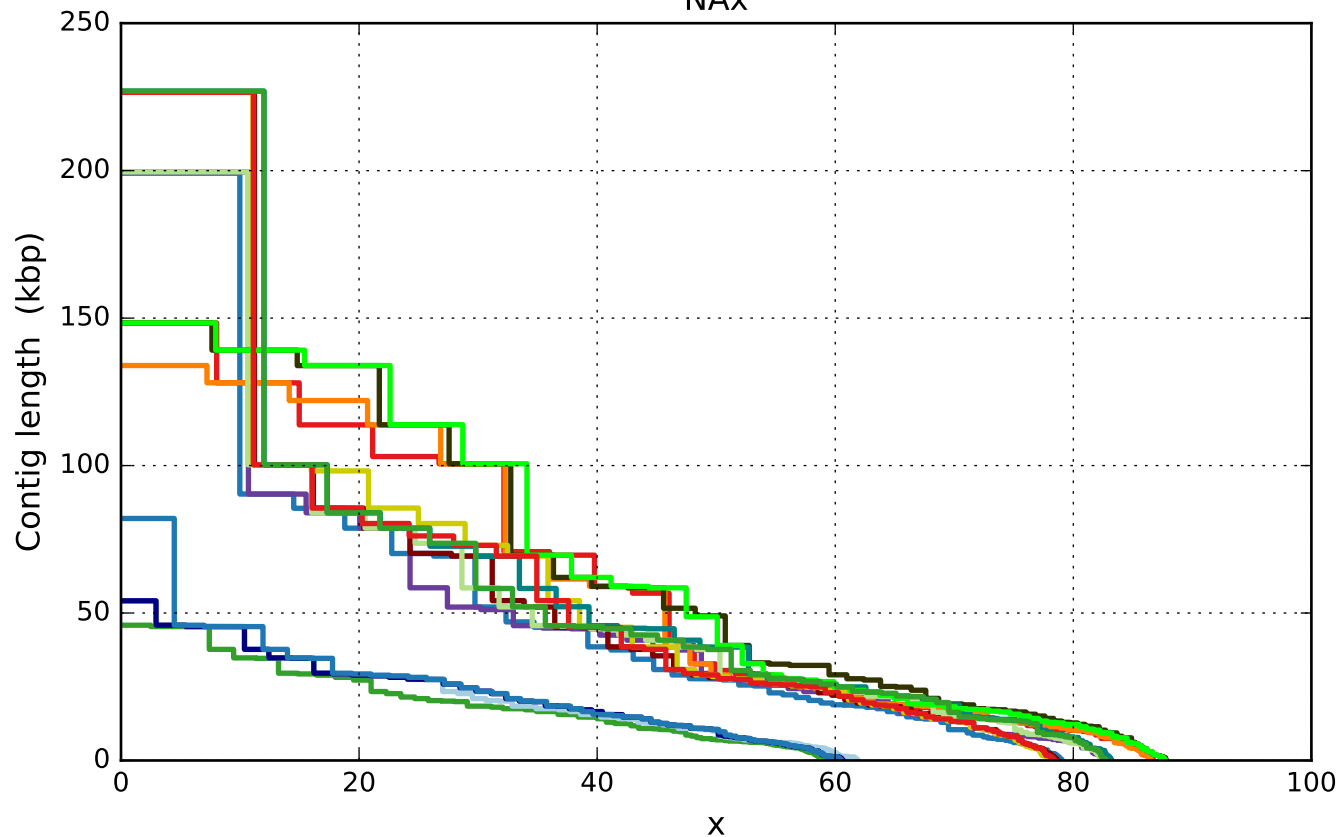


Cumulative length (aligned contigs)



- | | | |
|--|--|---|
| — k44_M05964-contigs | — k77_M10540-contigs | — k99_M05964-contigs |
| — k44_M07572-contigs | — k77_M16180-contigs | — k99_M07572-contigs |
| — k44_M10540-contigs | — k127_M05964-contigs | — k99_M10540-contigs |
| — k44_M16180-contigs | — k127_M07572-contigs | — k99_M16180-contigs |

NAx



NGAx

