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	13	9	12	9	13	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	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	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306	1932306
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 (%)	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08	38.08
N50	97979	80448	157960	82364	144973	103159	285281	100164	183050	141208	333934	138055	182978	141152	311520	125281
NG50	97979	80448	154878	82364	122974	103159	285281	93358	183050	141208	333934	138055	182978	141152	311520	125281
N75	44883	33152	63553	33896	60895	52032	83976	52751	75809	77394	191716	96606	79438	53598	189976	73822
NG75	40839	33430	49096	31742	46134	63910	83976	52076	75809	81370	191716	96606	66805	67130	189976	71139
L50	5	9	4	7	4	6	3	5	3	5	3	5	5	3	5	5
LG50	5	9	5	7	5	6	3	6	3	5	3	5	5	3	5	5
L75	11	20	8	15	9	13	6	12	8	10	5	9	11	7	11	10
LG75	13	19	10	16	11	12	6	13	8	9	5	9	10	8	10	11
# misassemblies	40	27	63	31	46	35	78	36	59	36	79	39	51	38	73	39
# misassembled contigs	20	17	16	19	20	17	15	17	20	14	13	13	19	16	12	15
Misassembled contigs length	1554990	1167869	1184363	1475970	1588418	1490128	1418134	1561689	1702419	1714416	1427271	1662721	1596948	1699716	1363474	1633244
# local misassemblies	56	53	20	46	55	58	26	54	58	58	22	54	56	58	25	54
# unaligned contigs	3 + 2 part	26 + 13 part	1 + 9 part	11 + 7 part	4 + 0 part	21 + 10 part	0 + 5 part	5 + 5 part	3 + 0 part	14 + 7 part	0 + 2 part	3 + 4 part	4 + 0 part	15 + 7 part	0 + 5 part	3 + 4 part
Unaligned length	26804	221266	367930	104113	20272	212035	270955	91313	12276	196991	219917	58797	20445	214923	263733	58703
Genome fraction (%)	84.488	83.908	58.329	83.152	84.399	84.298	58.100	84.316	85.047	84.481	57.512	84.809	84.915	84.443	57.405	84.754
Duplication ratio	1.114	1.094	1.308	1.095	1.124	1.111	1.398	1.093	1.174	1.132	1.457	1.116	1.124	1.116	1.415	1.119
# 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	2554.20	2347.06	3653.66	2421.08	2553.14	2350.87	3660.27	2444.02	2544.53	2348.41	3645.17	2433.78	2550.37	2338.98	3647.64	2439.38
# indels per 100 kbp	61.80	59.33	89.97	61.93	63.59	61.33	87.20	65.74	63.71	61.69	89.35	66.21	61.41	63.57	87.99	66.13
Largest alignment	196166	133209	58344	132987	196199	139314	58344	133083	207278	139314	58344	139056	139314	207278	58344	139056
NA50	36108	37328	8526	37402	38494	38285	9573	40161	38494	39499	8526	45616	39404	38921	8621	40990
NGA50	31783	38107	7136	34936	36104	38921	7066	39341	38494	40864	6617	41161	38494	38949	6805	40990
NA75	13678	10969	-	14202	16539	14555	-	16283	16539	14174	-	16333	16539	13895	-	16316
NGA75	11445	12594	-	10593	13006	17420	-	14202	16539	17420	-	15743	16539	14299	-	14867
LA50	12	16	47	14	12	15	44	12	12	14	45	11	11	15	43	12
LGA50	14	15	53	15	13	14	50	13	12	13	51	12	12	14	50	12
LA75	32	40	-	34	30	35	-	30	31	34	-	28	29	35	-	29
LGA75	37	36	-	38	34	31	-	33	31	28	-	30	32	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).
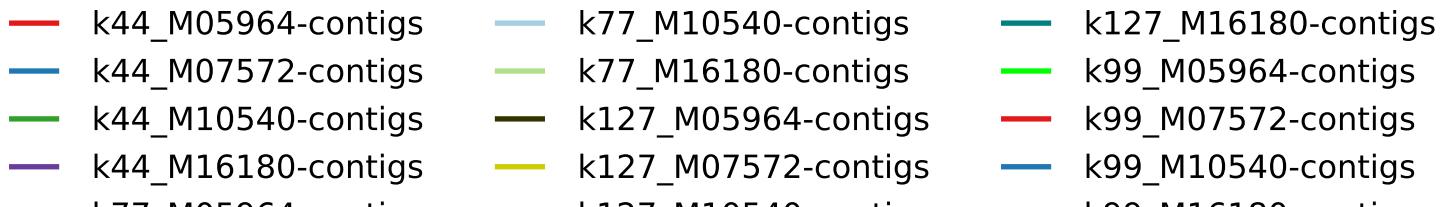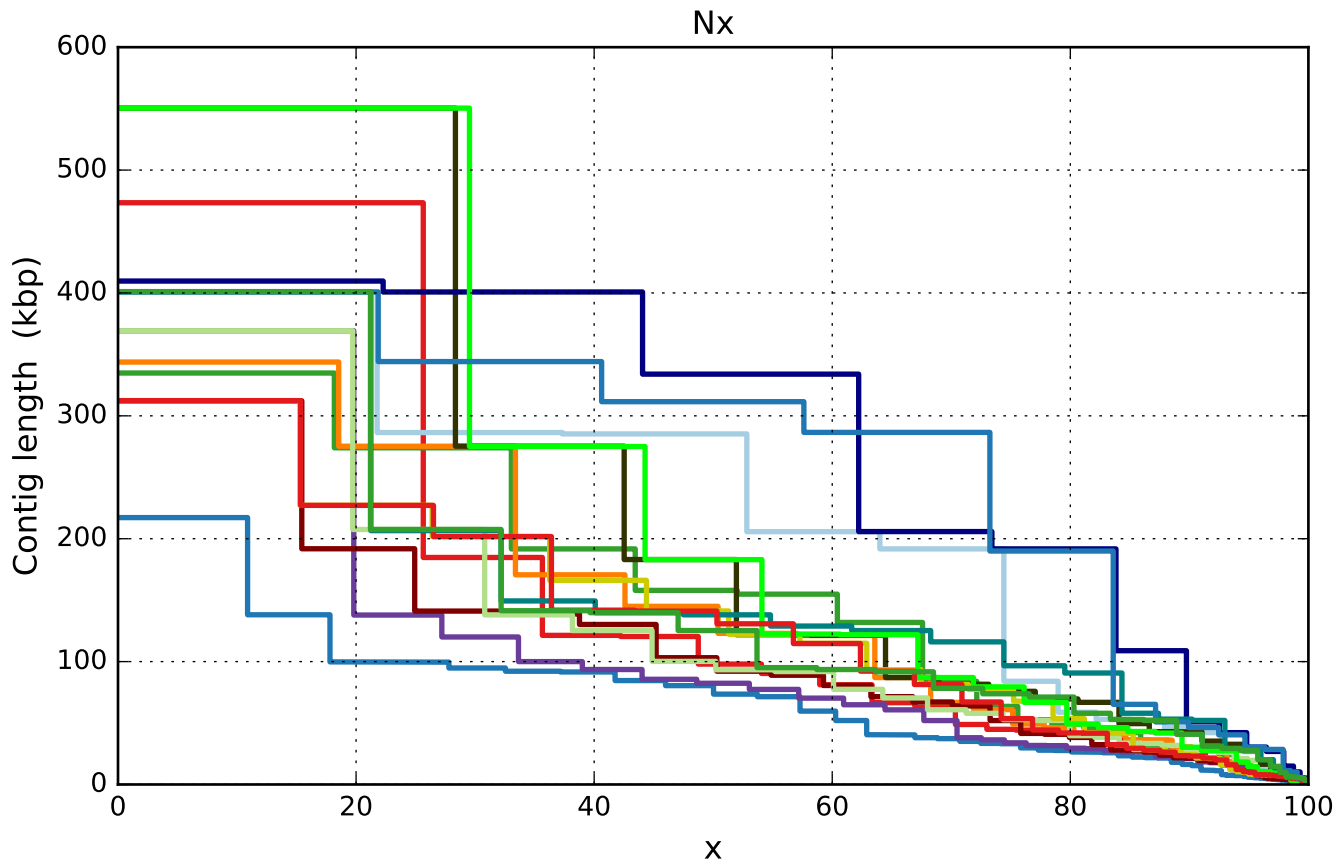
Misassemblies report

	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	40	27	63	31	46	35	78	36	59	36	79	39	51	38	73	39
# relocations	39	27	61	31	45	35	76	36	58	36	79	39	51	38	73	39
# translocations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# inversions	1	0	2	0	1	0	2	0	1	0	0	0	0	0	0	0
# misassembled contigs	20	17	16	19	20	17	15	17	20	14	13	13	19	16	12	15
Misassembled contigs length	1554990	1167869	1184363	1475970	1588418	1490128	1418134	1561689	1702419	1714416	1427271	1662721	1596948	1699716	1363474	1633244
# local misassemblies	56	53	20	46	55	58	26	54	58	58	27	54	56	58	25	54
# mismatches	41699	38054	41180	38901	41638	38293	41093	39819	41816	38336	40509	39884	41847	38165	40461	39950
# indels	1009	962	1014	995	1037	999	979	1071	1047	1007	993	1085	1043	1002	976	1083
# short indels	898	846	923	880	914	868	897	937	923	875	908	950	922	872	891	948
# long indels	111	116	91	115	123	131	82	134	124	132	85	135	121	130	85	135
Indels length	3172	2962	2576	3102	3397	3317	2456	3384	3408	3396	2496	3394	3466	3285	2544	3394

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
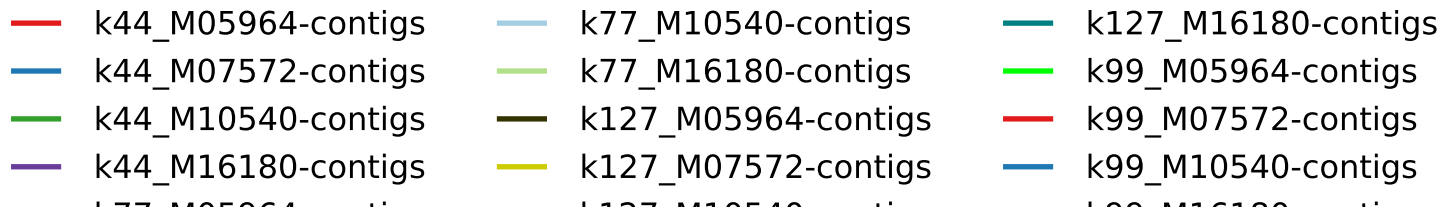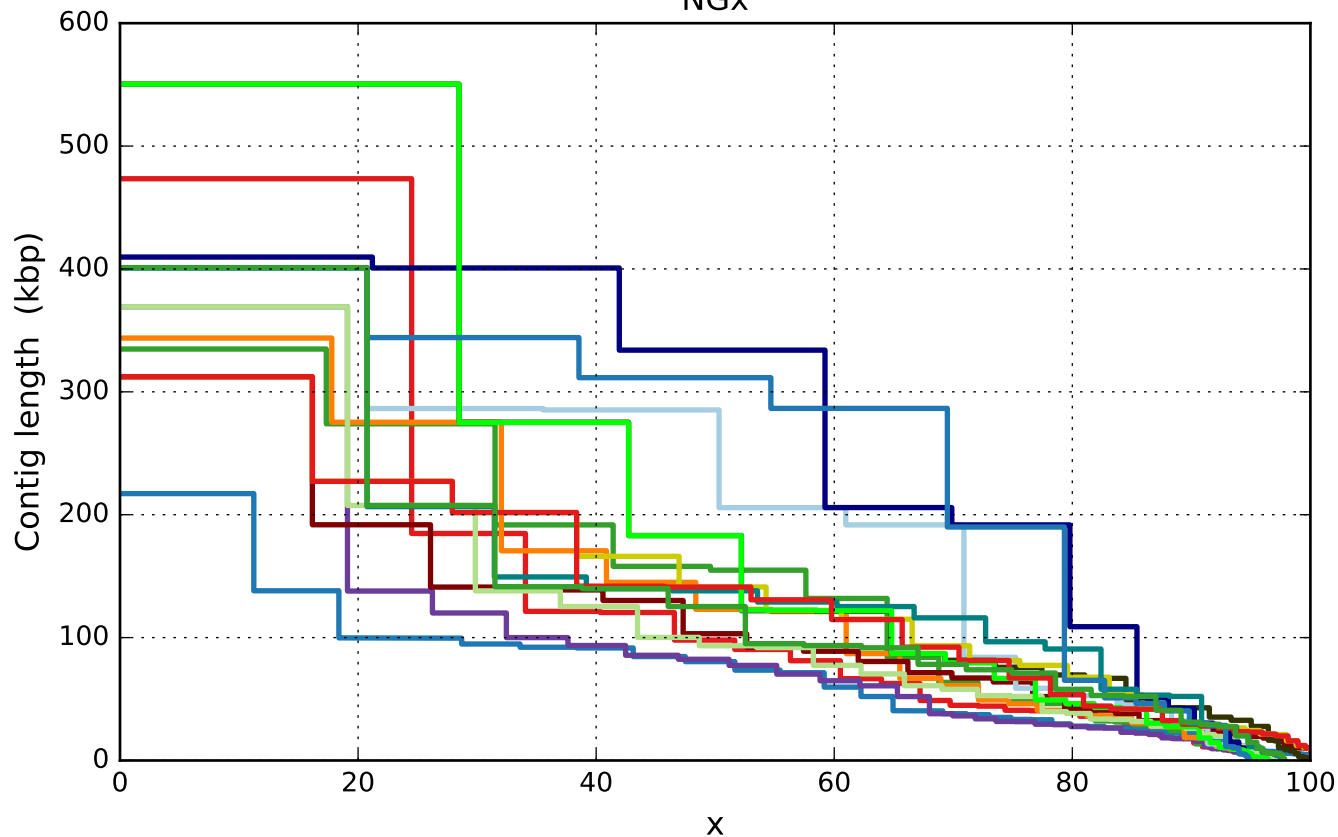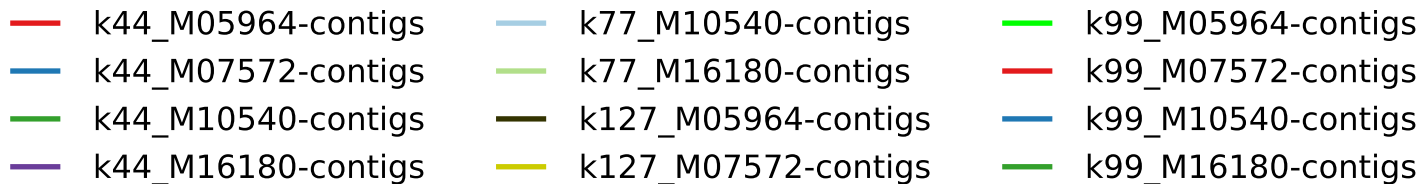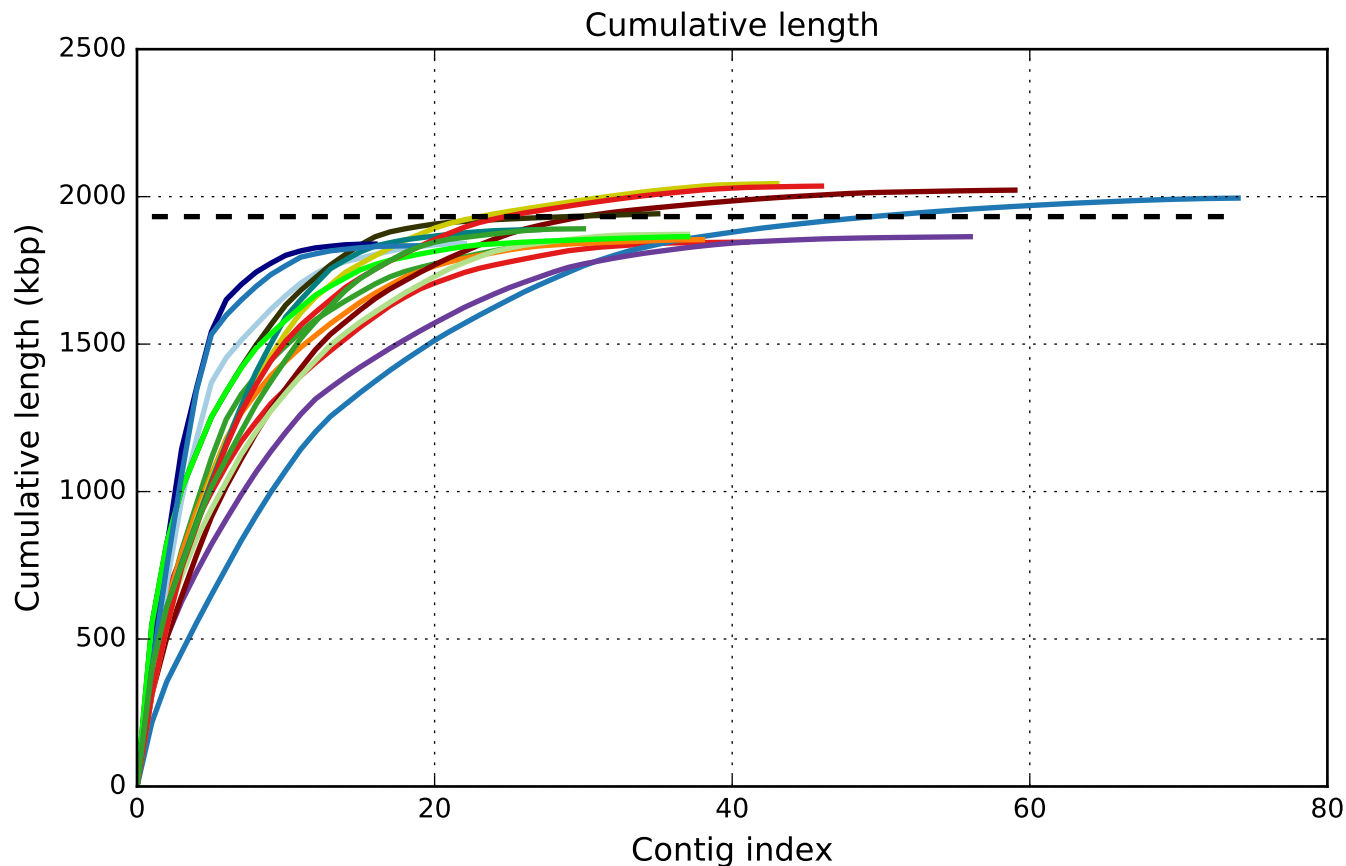
	k44_M05964-contigs	k44_M07572-contigs	k44_M10540-contigs	k44_M16180-contigs	k77_M05964-contigs	k77_M07572-contigs	k77_M10540-contigs	k77_M16180-contigs	k127_M05964-contigs	k127_M07572-contigs	k127_M10540-contigs	k127_M16180-contigs	k99_M05964-contigs	k99_M07572-contigs	k99_M10540-contigs	k99_M16180-contigs
# fully unaligned contigs	3	26	1	11	4	21	0	5	3	14	0	3	4	15	0	3
Fully unaligned length	19821	173180	1032	85919	20272	89104	0	20746	12276	105939	0	17772	20445	93806		17707
# partially unaligned contigs	2	13	9	7	0	10	5	5	0	7	2	4	0	7	5	4
# with misassembly	1	0	8	0	0	2	4	2	0	1	1	2	0	2	3	2
# both parts are significant	2	5	8	5	0	3	4	5	0	4	1	4	0	3	3	4
Partially unaligned length	6983	48086	366898	18194	0	122931	270955	70567	0	91052	219917	41025	0	121117	263733	40996
# 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

Legend:
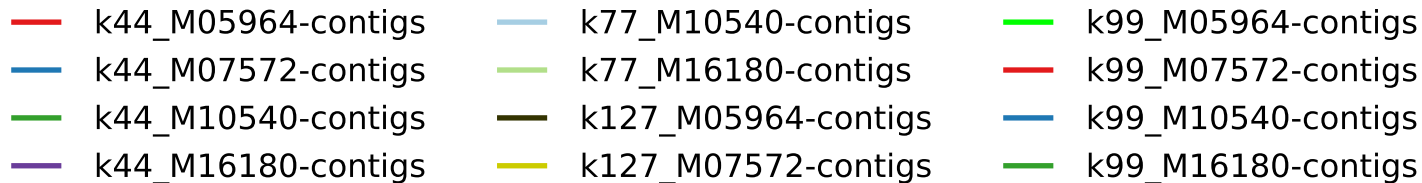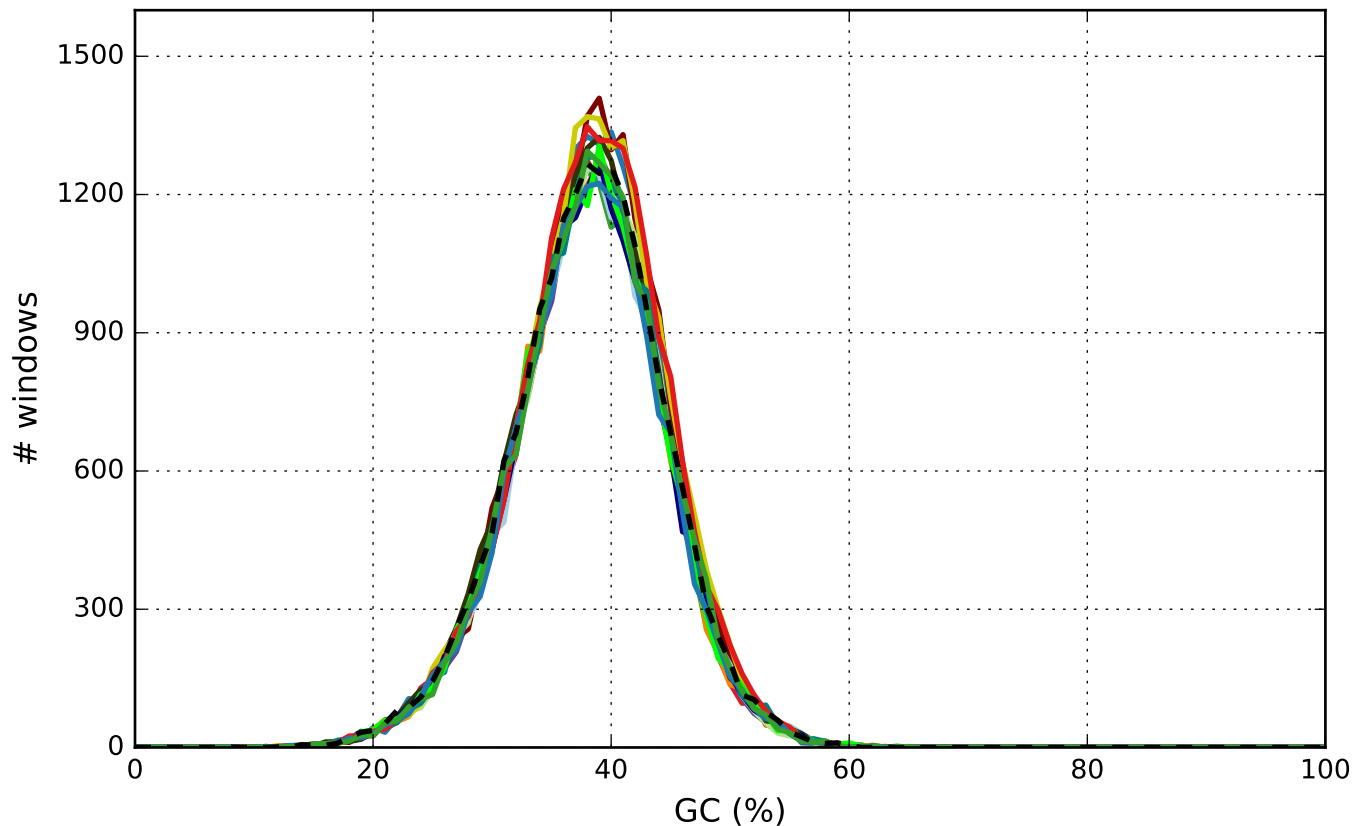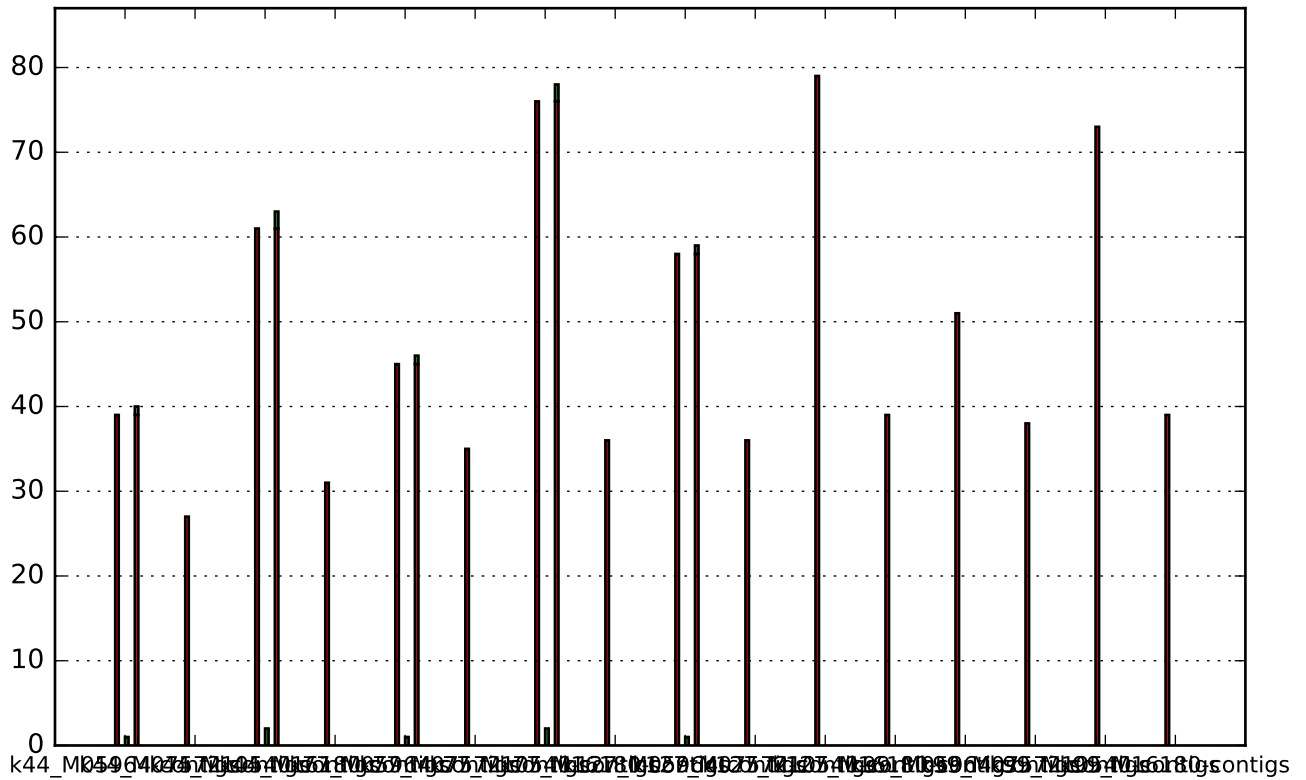- k44_M05964-contigs
- k44_M07572-contigs
- k44_M10540-contigs
- k44_M16180-contigs
- k77_M10540-contigs
- k77_M16180-contigs
- k127_M05964-contigs
- k127_M07572-contigs
- k127_M16180-contigs
- k99_M05964-contigs
- k99_M07572-contigs
- k99_M10540-contigs

NGx

Contig length (kbp) / x

— k44_M05964-contigs	— k77_M10540-contigs	— k127_M16180-contigs
— k44_M07572-contigs	— k77_M16180-contigs	— k99_M05964-contigs
— k44_M10540-contigs	— k127_M05964-contigs	— k99_M07572-contigs
— k44_M16180-contigs	— k127_M07572-contigs	— k99_M10540-contigs

Cumulative length

Cumulative length (kbp) vs **Contig index**

GC content

Legend:
- k44_M05964-contigs
- k44_M07572-contigs
- k44_M10540-contigs
- k44_M16180-contigs
- k77_M05964-contigs
- k77_M10540-contigs
- k77_M16180-contigs
- k127_M05964-contigs
- k127_M07572-contigs
- k127_M10540-contigs
- k99_M05964-contigs
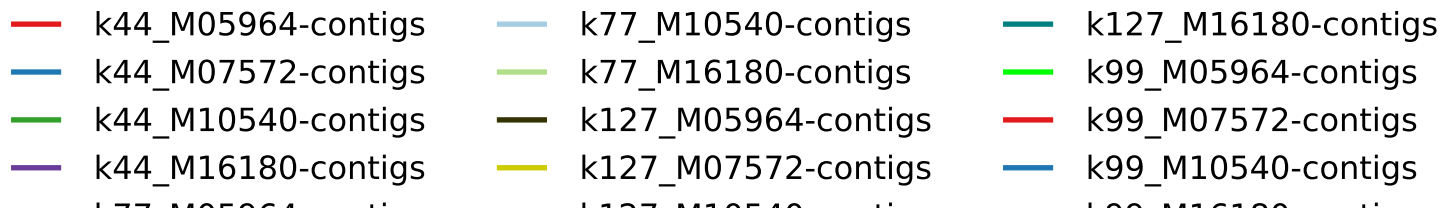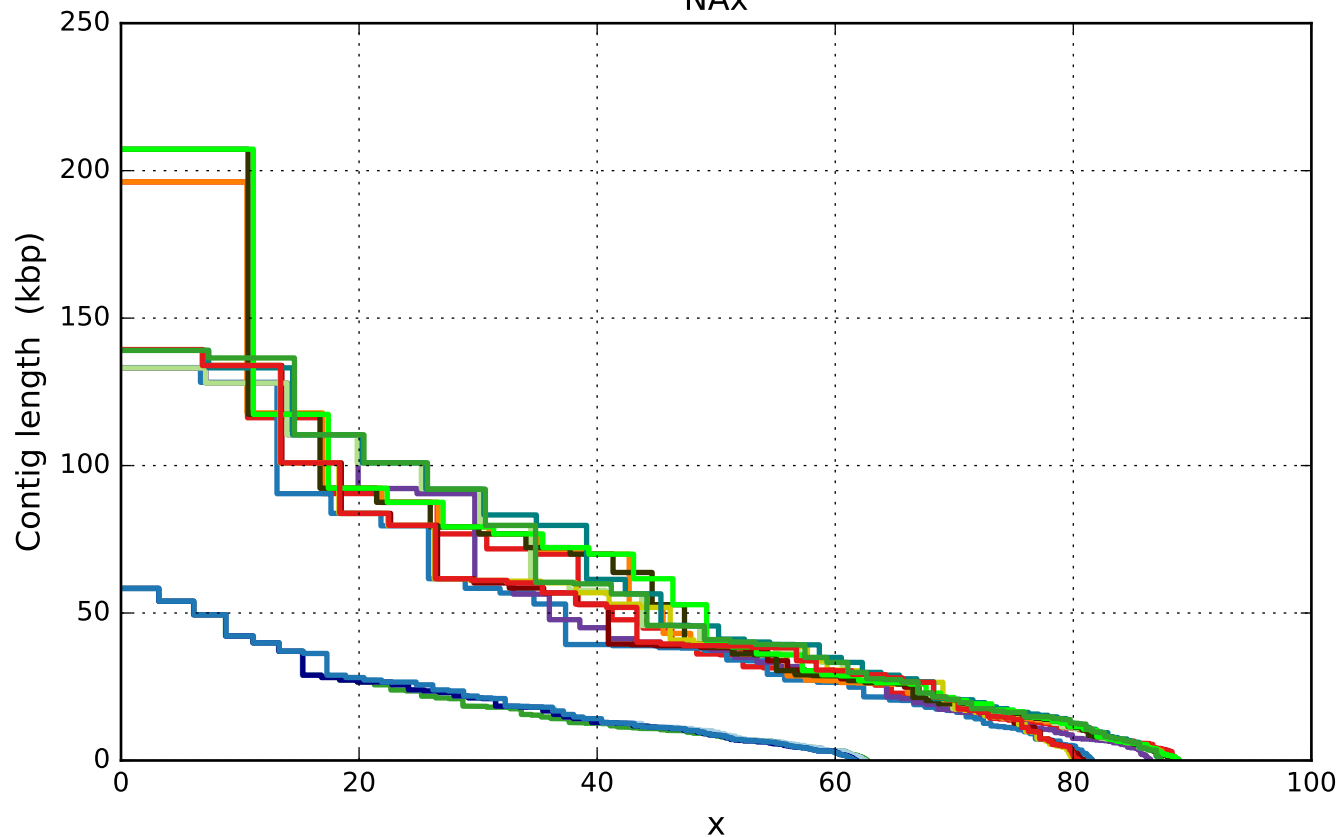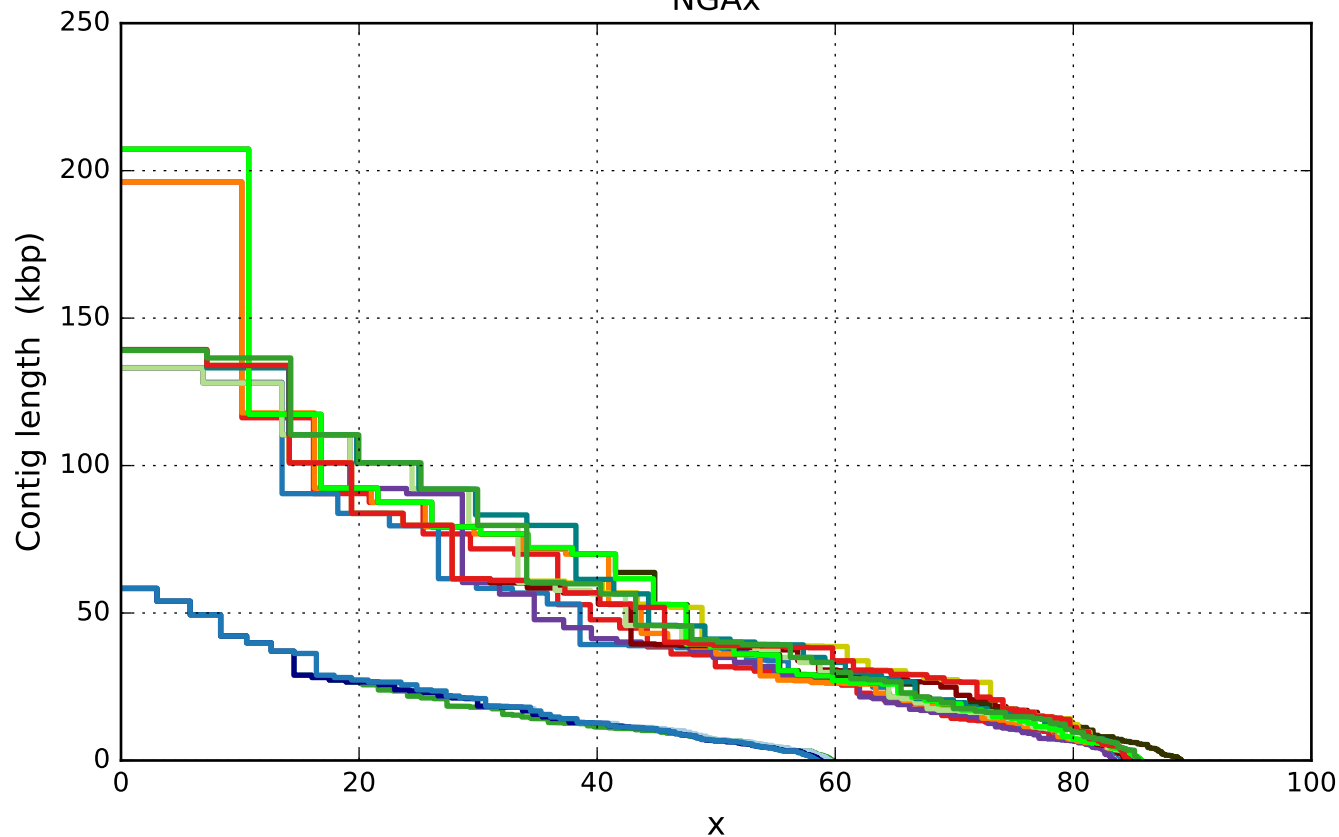- k99_M07572-contigs
- k99_M10540-contigs
- k99_M16180-contigs

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

— k44_M05964-contigs	— k77_M10540-contigs	— k127_M16180-contigs
— k44_M07572-contigs	— k77_M16180-contigs	— k99_M05964-contigs
— k44_M10540-contigs	— k127_M05964-contigs	— k99_M07572-contigs
— k44_M16180-contigs	— k127_M07572-contigs	— k99_M10540-contigs

NGAx

— k44_M05964-contigs	— k77_M10540-contigs	— k127_M16180-contigs
— k44_M07572-contigs	— k77_M16180-contigs	— k99_M05964-contigs
— k44_M10540-contigs	— k127_M05964-contigs	— k99_M07572-contigs
— k44_M16180-contigs	— k127_M07572-contigs	— k99_M10540-contigs

Genome fraction, %

Legend		
k44_M05964-contigs	k77_M10540-contigs	k127_M16180-contigs
k44_M07572-contigs	k77_M16180-contigs	k99_M05964-contigs
k44_M10540-contigs	k127_M05964-contigs	k99_M07572-contigs
k44_M16180-contigs	k127_M07572-contigs	k99_M10540-contigs