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	46	57	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	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018	2007018
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 (%)	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22	38.22
N50	97979	80448	157960	82364	144973	103159	285281	100164	183050	141208	333934	138055	182978	141152	311520	125281
NG50	90349	73523	154878	77367	122974	103159	205735	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	40442	33152	46259	29514	40872	52032	58778	39749	69598	77394	191716	90709	49237	67130	189976	71139
L50	5	9	4	7	4	6	3	5	3	5	3	5	3	5	3	5
LG50	6	10	5	8	5	6	4	6	3	5	3	5	3	5	3	5
L75	11	20	8	15	9	13	6	12	8	10	5	9	7	11	5	10
LG75	14	20	11	18	12	13	7	14	9	10	5	10	9	10	5	11
# misassemblies	55	60	22	55	61	73	30	68	72	73	29	73	64	70	27	70
# misassembled contigs	16	26	7	21	16	25	7	22	17	19	6	16	15	19	6	18
Misassembled contigs length	1535717	1646344	495622	1494722	1591524	1774541	643631	1733887	1774851	1798988	630513	1832681	1650674	1748134	581176	1789843
# local misassemblies	57	57	16	55	59	65	17	62	61	66	15	65	61	66	13	65
# unaligned contigs	6 + 7 part	12 + 24 part	4 + 16 part	7 + 9 part	5 + 8 part	7 + 14 part	2 + 12 part	4 + 3 part	3 + 3 part	5 + 11 part	2 + 6 part	3 + 1 part	5 + 5 part	3 + 14 part	3 + 8 part	3 + 3 part
Unaligned length	144864	198223	847062	84728	99075	150465	734055	57775	70711	163582	756739	22323	78857	180634	797204	27157
Genome fraction (%)	74.127	78.029	38.852	78.169	73.957	79.082	40.829	77.889	75.899	79.598	38.687	79.388	75.835	79.663	38.531	79.149
Duplication ratio	1.144	1.147	1.276	1.134	1.182	1.179	1.351	1.161	1.228	1.177	1.394	1.171	1.173	1.160	1.340	1.173
# 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	2718.63	2565.36	3844.07	2575.16	2721.88	2577.83	3893.65	2580.96	2758.59	2583.07	3860.24	2598.40	2758.64	2579.78	3858.83	2599.62
# indels per 100 kbp	77.37	75.09	95.54	74.51	75.18	78.13	97.14	75.29	81.86	79.12	96.21	77.64	81.73	78.81	95.17	76.86
Largest alignment	93287	87697	37672	74170	102047	120798	38557	117121	102051	120766	37672	116136	102051	120766	37672	117121
NA50	24055	20336	-	25825	24055	23216	-	26504	24055	27382	-	30329	27604	24391	-	27418
NGA50	19300	20336	-	22207	20323	23216	-	23693	21161	27484	-	27418	23282	24391	-	25880
NA75	7631	5042	-	10042	7941	5413	-	10524	8046	4825	-	11356	8485	5413	-	11919
NGA75	-	4872	-	5815	-	6259	-	6041	6642	7097	-	7628	2240	7097	-	7628
LA50	21	26	-	22	20	23	-	20	21	21	-	18	19	21	-	19
LGA50	25	26	-	25	24	23	-	23	22	20	-	20	22	21	-	22
LA75	54	67	-	50	51	61	-	47	52	57	-	44	47	57	-	45
LGA75	-	68	-	63	-	59	-	59	58	53	-	53	67	54	-	54

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).
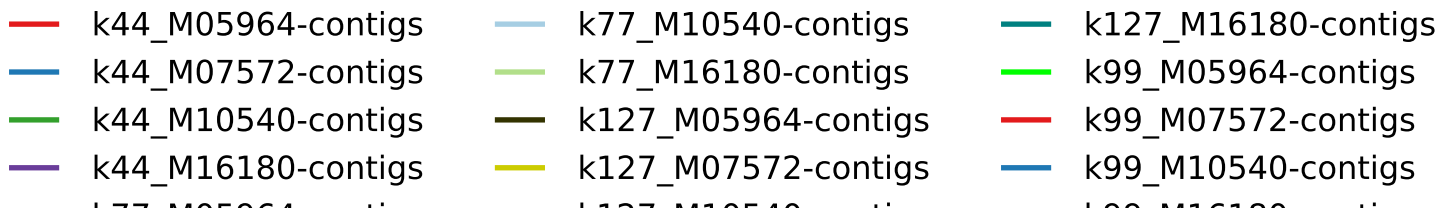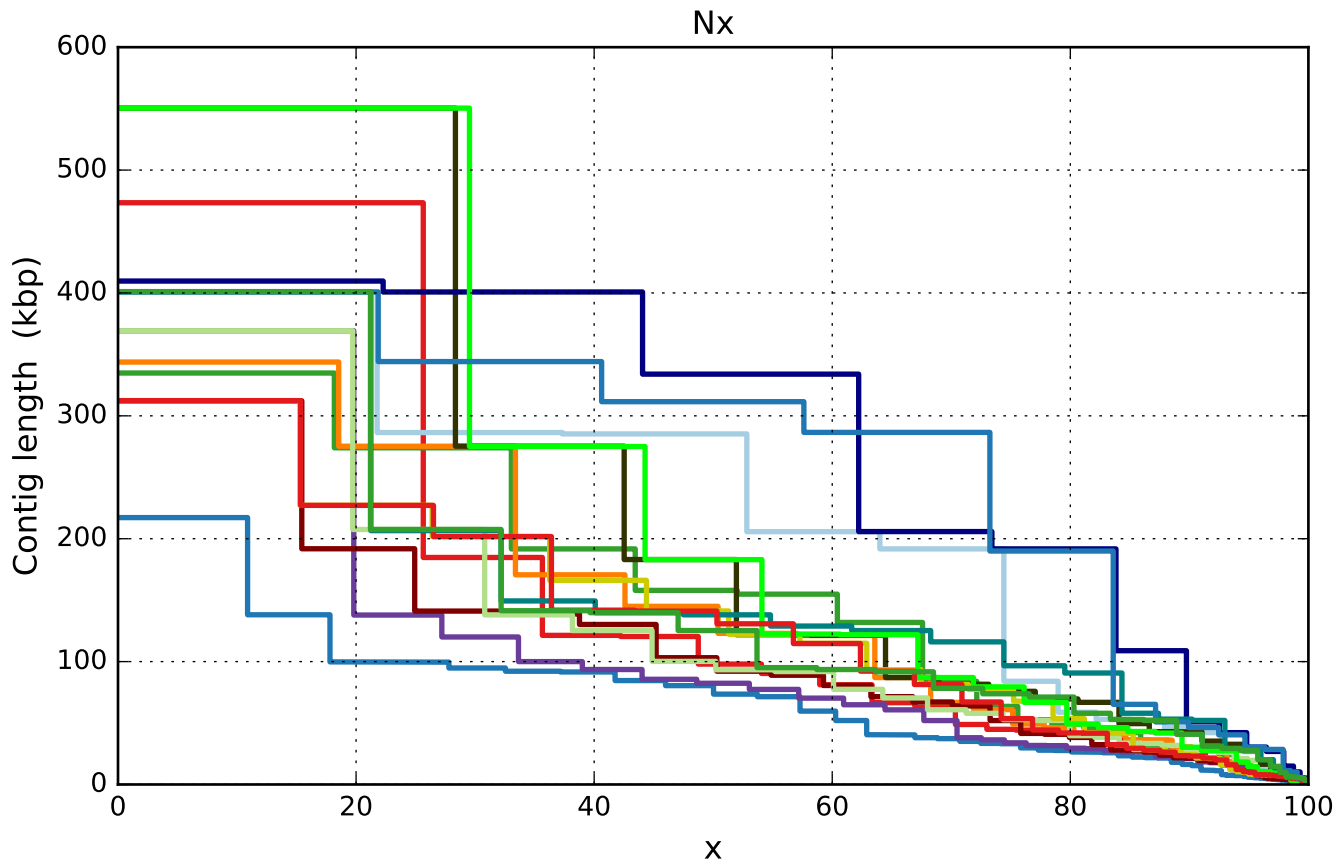
Misassemblies report

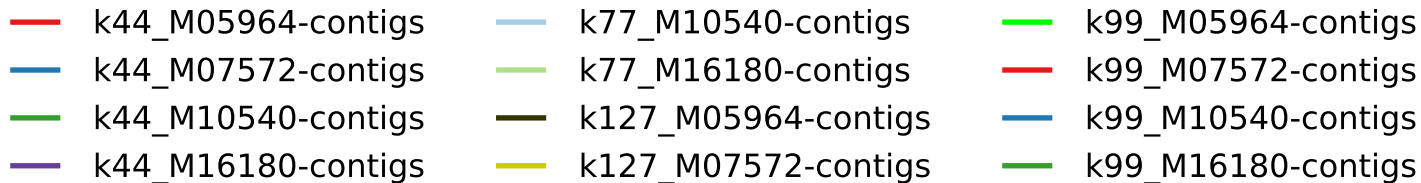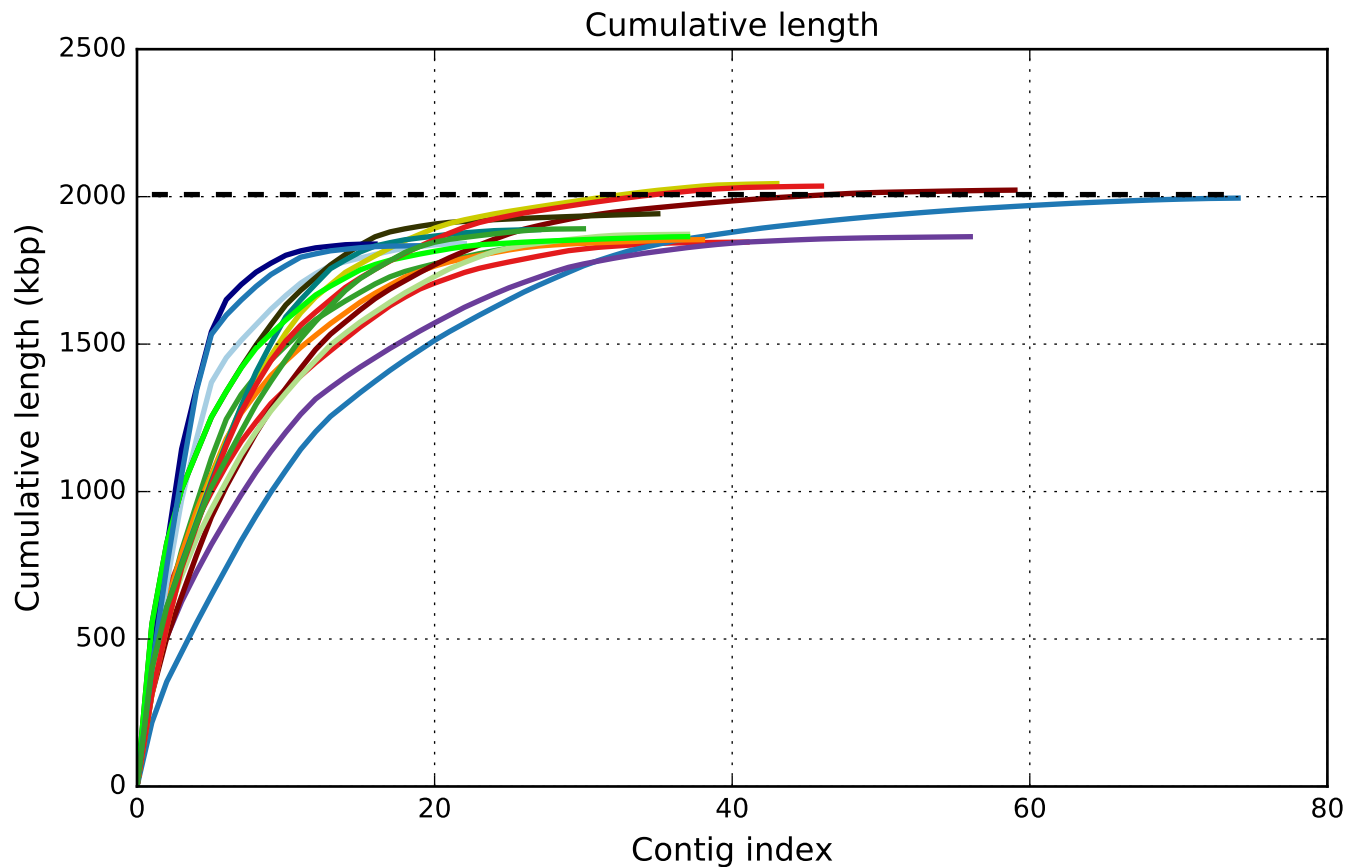|	k44_M05964-contigs	k44_M07572-contigs	k44_M10540-contigs	k44_M16180-contigs	k77_M05964-contigs	k77_M07572-contigs	k77_M10540-contigs	k77_M16180-contigs	k127_M05964-contigs	k127_M07572-contigs	k127_M10540-contigs	k127_M16180-contigs	k99_M05964-contigs	k99_M07572-contigs	k99_M10540-contigs	k99_M16180-contigs
# misassemblies	55	60	22	55	61	73	30	68	72	73	29	73	64	70	27	70
# relocations	55	59	22	55	60	72	30	68	72	73	29	73	64	69	27	70
# translocations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# inversions	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0
# misassembled contigs	16	26	7	21	16	25	7	22	17	19	6	16	15	19	6	18
Misassembled contigs length	1535717	1646344	495622	1494722	1591524	1774541	643631	1733887	1774851	1798988	630513	1832681	1650674	1748134	581176	1789843
# local misassemblies	57	57	16	55	59	65	17	62	61	66	15	65	61	66	13	65
# mismatches	40446	40175	29975	40401	40402	40915	31906	40347	42022	41266	29973	41401	41987	41247	29841	41296
# indels	1151	1176	745	1169	1116	1240	796	1177	1247	1264	747	1237	1244	1260	736	1221
# short indels	1026	1042	686	1033	991	1099	732	1037	1103	1118	688	1092	1100	1118	678	1078
# long indels	125	134	59	136	125	141	64	140	144	146	59	145	144	142	58	143
Indels length	3586	3543	1814	3706	3540	3871	1917	3743	3919	4057	1818	3905	3985	3921	1778	3870

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).
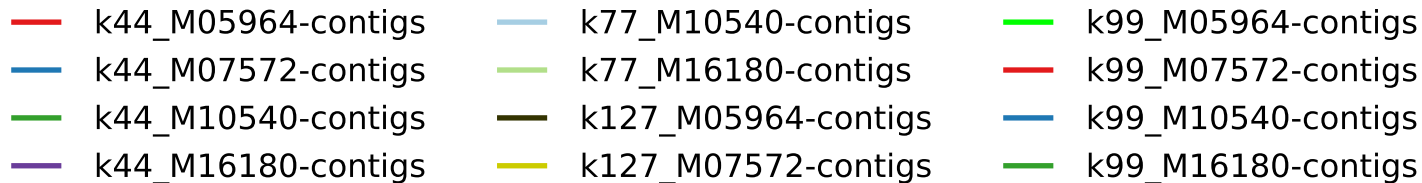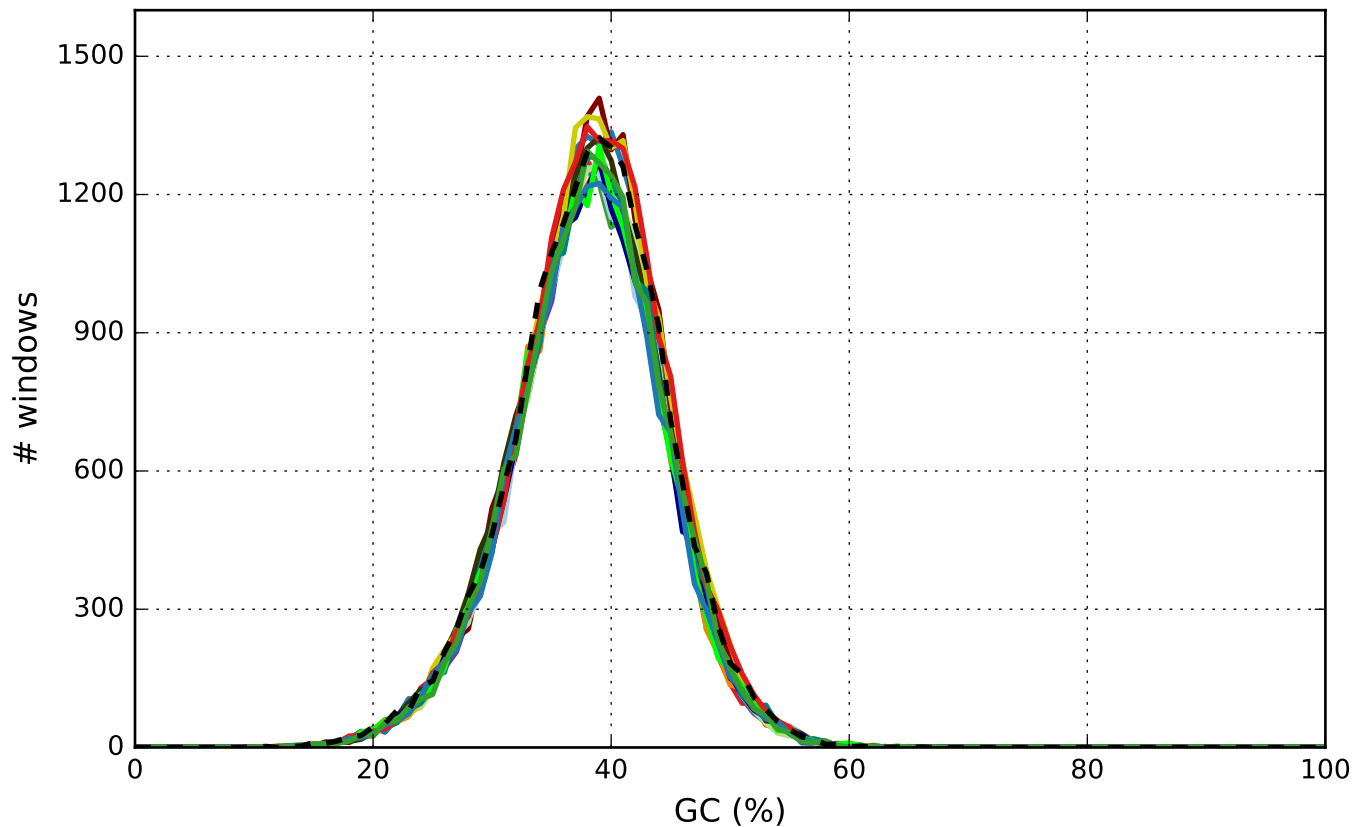
Unaligned report

	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	6	12	4	7	5	7	2	4	3	5	2	3	5	3	3	3
Fully unaligned length	65995	90308	29685	22527	22076	64952	10649	19081	12276	52588	10749	17772	22862	37320	11513	17707
# partially unaligned contigs	7	24	16	9	8	14	12	3	3	11	6	1	5	14	8	3
# with misassembly	2	5	12	3	3	7	9	3	1	7	6	1	2	8	6	2
# both parts are significant	5	13	16	7	6	7	12	3	2	10	6	1	4	11	8	2
Partially unaligned length	78869	107915	817377	62201	76999	85513	723406	38694	58435	110994	745990	4551	55995	143314	785691	9450
# 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

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

NGx

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

Cumulative length

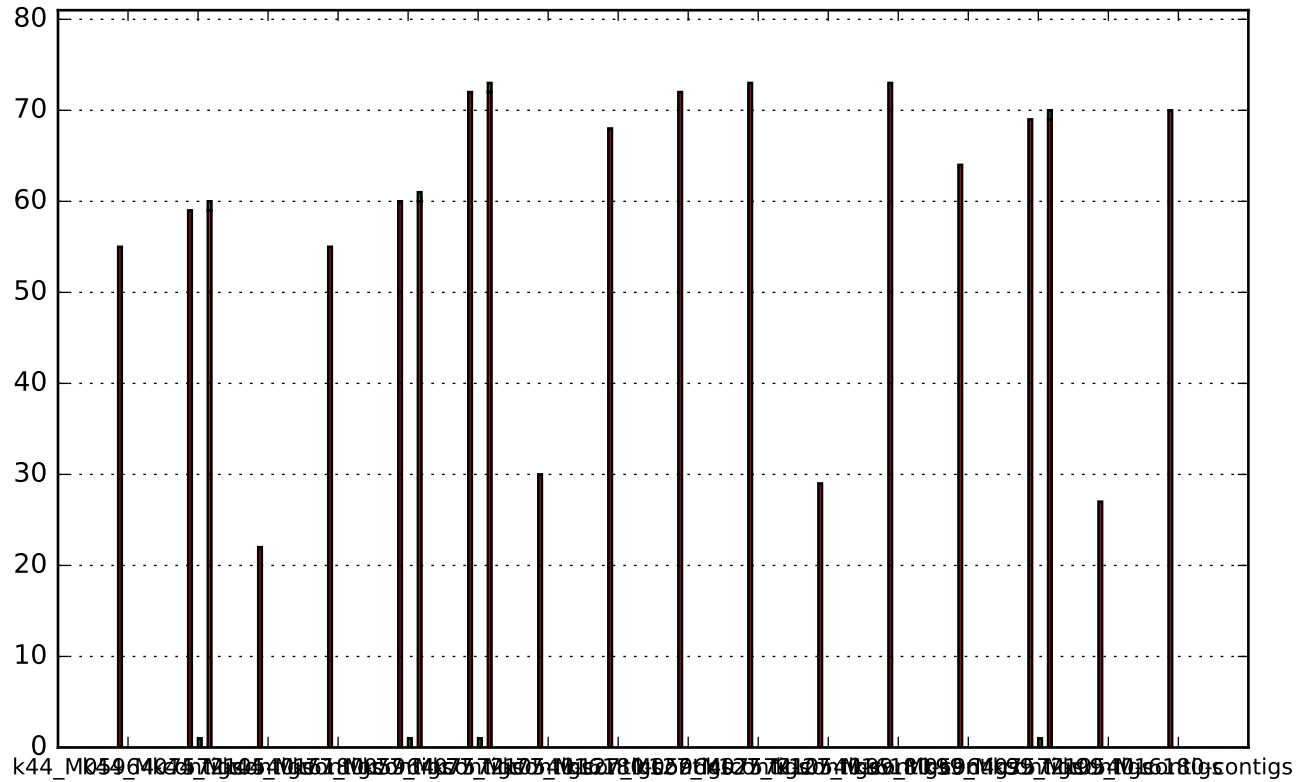|		
—— k44_M05964-contigs	—— k77_M10540-contigs	—— k99_M05964-contigs
—— k44_M07572-contigs	—— k77_M16180-contigs	—— k99_M07572-contigs
—— k44_M10540-contigs	—— k127_M05964-contigs	—— k99_M10540-contigs
—— k44_M16180-contigs	—— k127_M07572-contigs	—— k99_M16180-contigs

GC content
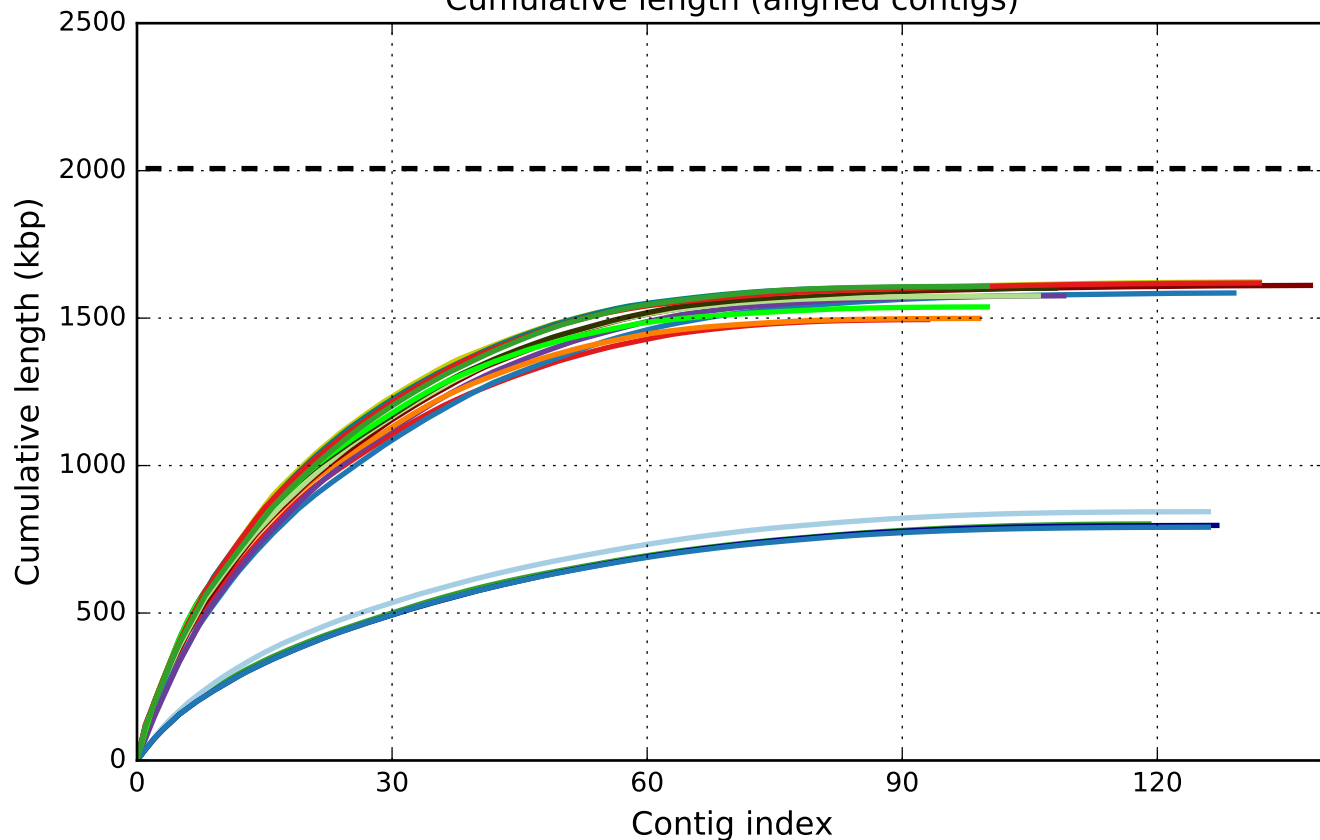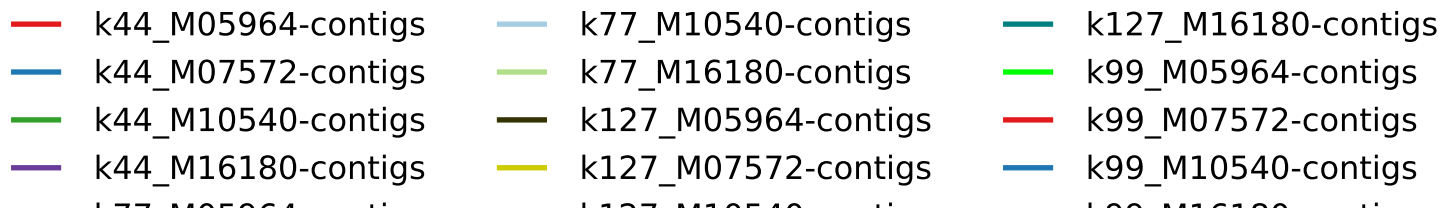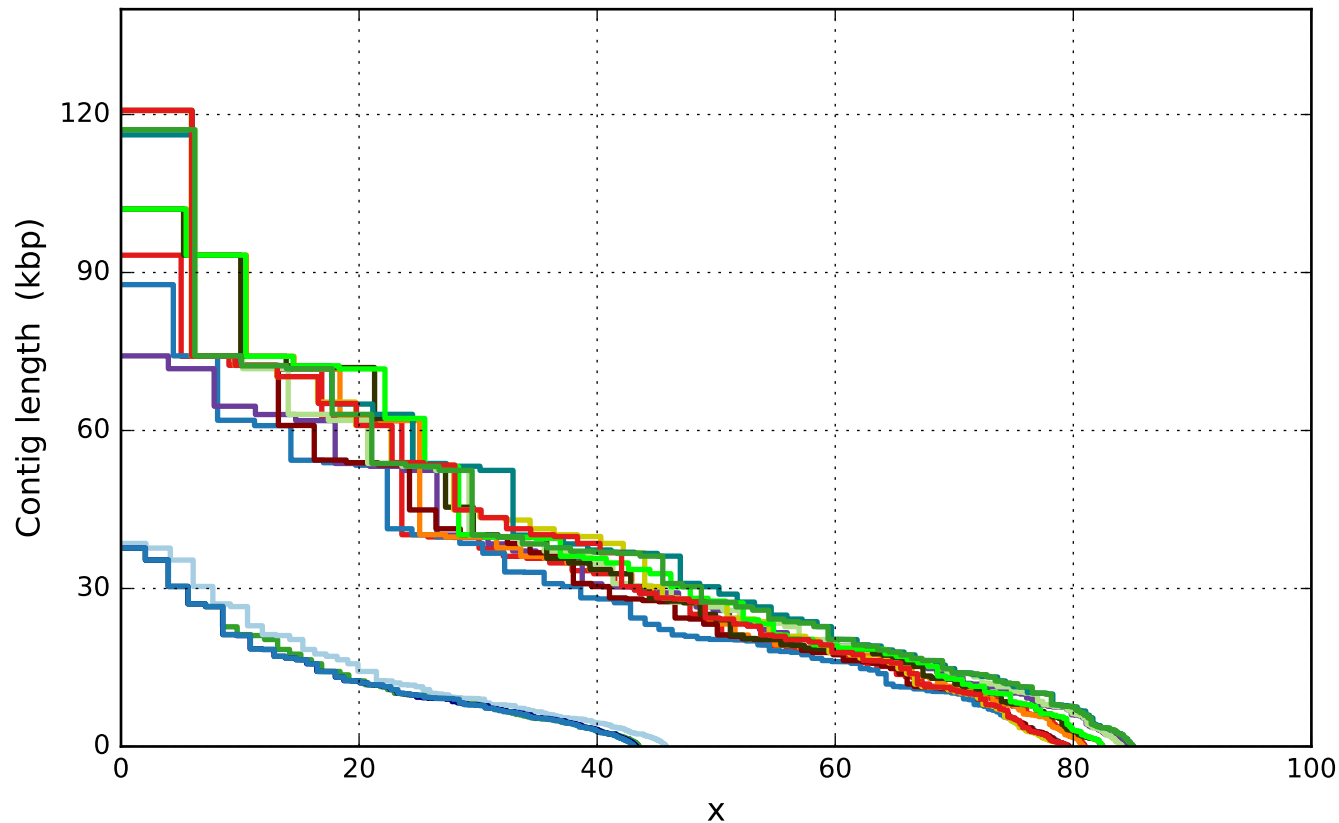
windows vs GC (%)

Misassemblies

relocations
inversions

Cumulative length (aligned contigs)

Legend		
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

Contig length (kbp) vs x

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
- k127_M16180-contigs
- k99_M05964-contigs
- k99_M07572-contigs
- k99_M10540-contigs
- k99_M16180-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
- 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
- k127_M16180-contigs
- k99_M05964-contigs
- k99_M07572-contigs
- k99_M10540-contigs
- k99_M16180-contigs