	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	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490	1914490
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 (%)	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16	38.16
N50	97979	80448	157960	82364	144973	103159	285281	100164	183050	141208	333934	138055	182978	141152	311520	125281
NG50	97979	80448	157960	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	44231	35070	52654	31742	49193	63910	83976	52751	75809	81370	191716	96606	66805	81353	189976	73822
L50	5	9	4	7	4	6	3	5	3	5	3	5	3	5	3	5
LG50	5	9	4	7	5	6	3	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	12	18	9	16	10	12	6	12	8	9	5	9	8	9	5	10
# misassemblies	29	10	51	16	37	17	56	22	40	17	55	25	39	18	52	24
# misassembled contigs	14	10	13	9	17	11	12	10	15	9	9	9	14	10	8	9
Misassembled contigs length	1415328	701097	1270307	836716	1556768	1081927	1359452	1093160	1685809	1074434	1345732	1238267	1551228	1156852	1293278	1161684
# local misassemblies	59	22	46	33	62	28	52	42	68	32	51	38	62	34	47	38
# unaligned contigs	2 + 6 part	18 + 14 part	3 + 9 part	6 + 10 part	2 + 5 part	13 + 9 part	2 + 5 part	2 + 5 part	2 + 4 part	7 + 9 part	2 + 2 part	2 + 3 part	2 + 5 part	8 + 8 part	3 + 4 part	2 + 3 part
Unaligned length	49700	185553	344161	63475	42492	160132	301488	52376	33061	151974	257215	68550	43340	161677	303118	68466
Genome fraction (%)	84.617	89.455	56.103	87.430	84.742	90.448	56.153	88.066	85.164	90.241	55.795	88.711	85.064	90.507	55.861	88.845
Duplication ratio	1.109	1.057	1.395	1.076	1.117	1.075	1.432	1.079	1.171	1.095	1.481	1.071	1.118	1.082	1.431	1.072
# 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	2140.76	1125.53	3527.65	1729.67	2128.60	1142.87	3525.00	1734.26	2125.91	1111.39	3521.58	1674.32	2126.58	1120.35	3517.97	1722.77
# indels per 100 kbp	55.93	34.39	85.47	46.30	57.20	37.02	86.42	45.85	58.20	36.29	87.53	46.04	58.15	36.65	86.40	46.62
Largest alignment	128158	193020	64661	182060	128191	224833	64661	192070	159911	224833	64661	223918	159911	224833	64661	223918
NA50	38866	49282	7738	42132	38866	83739	8250	58515	45982	93346	8250	115142	45954	92226	8526	72903
NGA50	38655	70913	6591	41412	38655	83739	6983	58515	45982	93346	6780	115142	45464	92226	6605	72903
NA75	18024	20426	-	19603	16833	22762	-	22564	20262	28434	-	24577	19190	27962	-	23981
NGA75	14094	26462	-	17976	13937	28025	-	19603	23711	39767	-	22363	16064	38172	-	22363
LA50	14	10	48	10	13	8	45	9	12	7	45	7	11	7	44	8
LGA50	15	9	53	11	14	8	50	9	12	7	50	7	12	7	50	8
LA75	30	26	-	26	29	21	-	21	28	18	-	17	26	19	-	20
LGA75	33	23	-	28	32	18	-	23	27	15	-	18	28	16	-	21
<u>-</u>			L	L		10	L		-7		l .	10		10		

## Misassemblies report

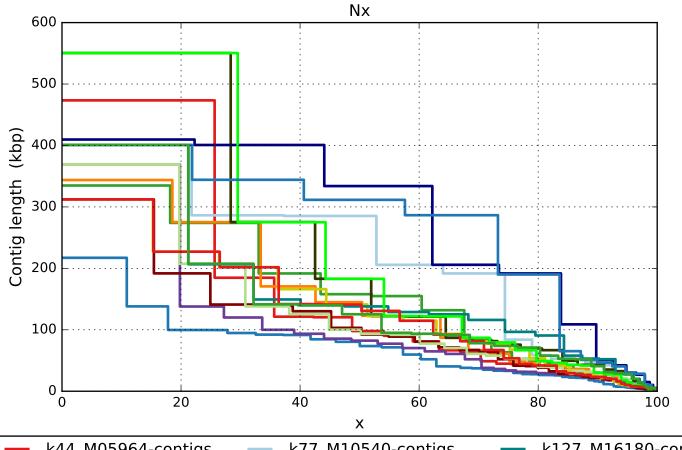
	k44_M05964-contigs	k44_M07572-contigs	k44_M10540-contigs	k44_M16180-contigs	k77_M05964-contigs	k77_M07572-contigs	k77_M10540-contigs	k77_M16180-contigs	k127_M05964-contigs	k127_M07572-contigs	k127_M10540-contigs	k127_M16180-contigs	k99_M05964-contigs	k99_M07572-contigs	k99_M10540-contigs	k99_M16180-contigs
# misassemblies	29	10	51	16	37	17	56	22	40	17	55	25	39	18	52	24
# relocations	28	10	51	16	36	17	56	22	39	17	53	25	37	18	50	24
# translocations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# inversions	1	0	0	0	1	0	0	0	1	0	2	0	2	0	2	0
# misassembled contigs	14	10	13	9	17	11	12	10	15	9	9	9	14	10	8	9
Misassembled contigs length	1415328	701097	1270307	836716	1556768	1081927	1359452	1093160	1685809	1074434	1345732	1238267	1551228	1156852	1293278	1161684
# local misassemblies	59	22	46	33	62	28	52	42	68	32	51	38	62	34	47	38
# mismatches	34680	19276	37890	28952	34534	19790	37895	29240	34662	19201	37617	28436	34632	19413	37623	29303
# indels	906	589	918	775	928	641	929	773	949	627	935	782	947	635	924	793
# short indels	795	518	838	689	810	560	846	683	827	549	848	691	828	559	838	701
# long indels	111	71	80	86	118	81	83	90	122	78	87	91	119	76	86	92
Indels length	3040	1941	2186	2286	3094	2400	2284	2349	3230	2247	2367	2409	3182	2259	2311	2404

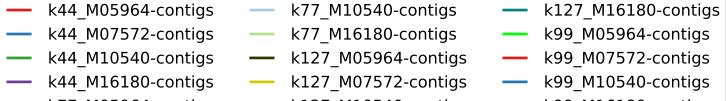
All statistics are based on contigs of size >= 500 bp, unless otherwise noted (e.g., "# contigs (>= 0 bp)" and "Total length (>= 0 bp)" include all contigs).

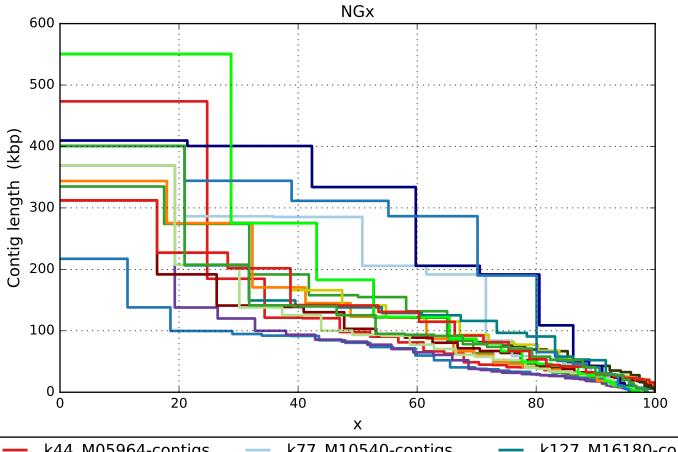
## Unaligned report

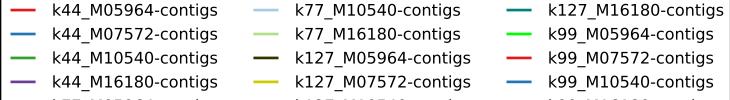
	k44_M05964-contigs	k44_M07572-contigs	k44_M10540-contigs	k44_M16180-contigs	k77_M05964-contigs	k77_M07572-contigs	k77_M10540-contigs	k77_M16180-contigs	k127_M05964-contigs	k127_M07572-contigs	k127_M10540-contigs	k127_M16180-contigs	k99_M05964-contigs	k99_M07572-contigs	k99_M10540-contigs	k99_M16180-contigs
# fully unaligned contigs	2	18	3	6	2	13	2	2	2	7	2	2	2	8	3	2
Fully unaligned length	2062	112360	11615	20638	3632	56887	10649	13439	4647	63345	10749	12653	4414	58556	11513	12597
# partially unaligned contigs	6	14	9	10	5	9	5	5	4	9	2	3	5	8	4	3
# with misassembly	1	3	7	2	2	3	5	1	1	1	2	1	2	2	4	1
# both parts are significant	6	8	9	5	4	4	5	4	4	4	2	3	4	3	4	3
Partially unaligned length	47638	73193	332546	42837	38860	103245	290839	38937	28414	88629	246466	55897	38926	103121	291605	55869
# N's	153	166	1	27	22	10	0	15	0	0	0	0	0	0	1	1

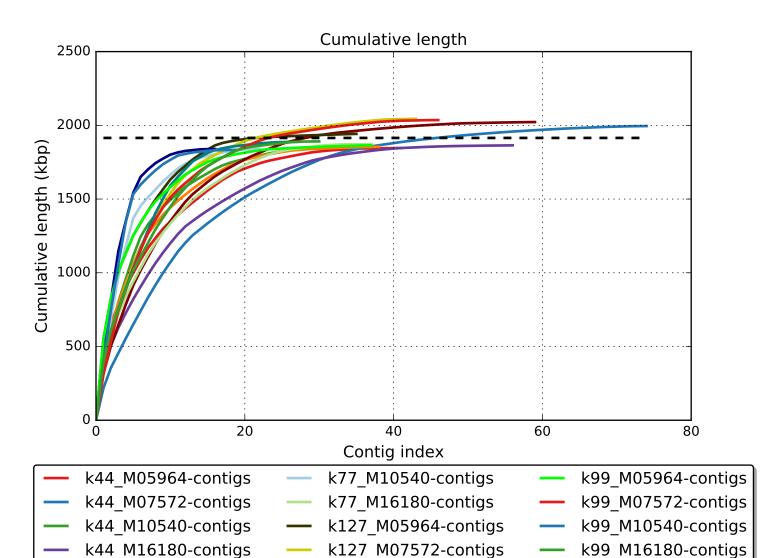
All statistics are based on contigs of size >= 500 bp, unless otherwise noted (e.g., "# contigs (>= 0 bp)" and "Total length (>= 0 bp)" include all contigs).

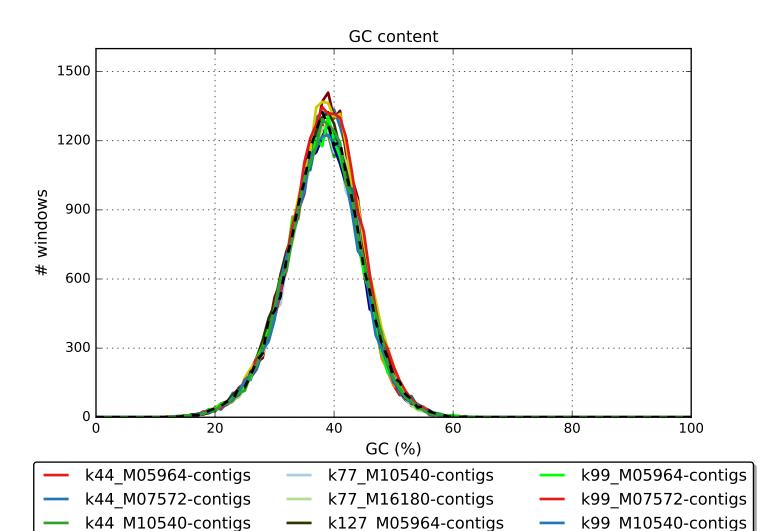








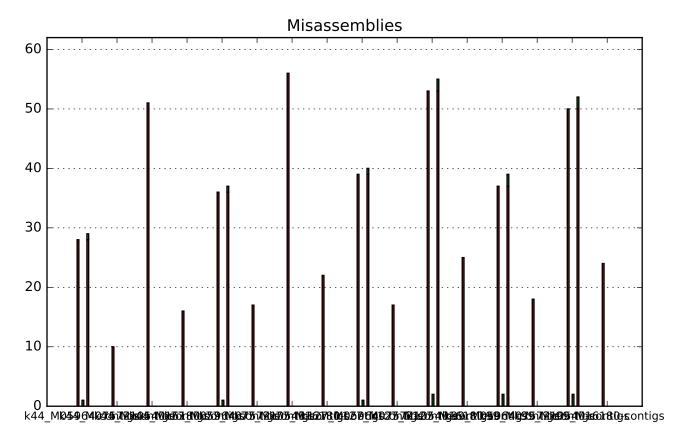




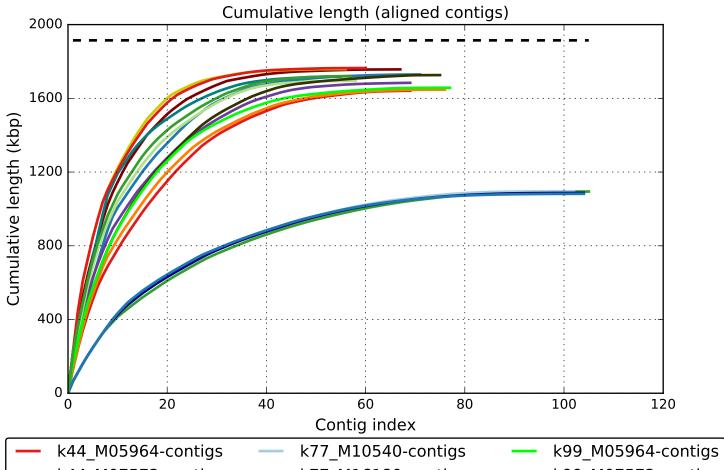
k127 M07572-contigs

k44 M16180-contigs

k99 M16180-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\_M10540-contigs

