Attention: this file was produced automatically, and some statistics might not make sense for certain pipelines.

Revision: b'bigraph-v0.2.0-384-g1f376b1'

This file contains statistics about the following genome(s):

- data/reports/sim_hifi_fragment_correction_steps/s/"genome":"E.coli","read_simulator":"bbmap_hifi","assembler":"wtdbg2":"cli_arguments":"-x":"ccs"/report.tex

- data/reports/sim_hifi_fragment_correction_steps/s/"genome":"C.elegans","read_simulator":"bbmap_hifi","assembler":"wtdbg2":"cli_arguments":"-x":"ccs"/report.tex

- data/reports/sim_hifi_fragment_correction_steps/s/"genome":"A.thaliana","read_simulator":"bbmap_hifi","assembler":"wtdbg2":"cli_arguments":"-x":"ccs"/report.tex

- data/reports/sim_hifi_fragment_correction_steps/s/"genome":"D.melanogaster_A4","read_simulator":"bbmap_hifi","assembler":"wtdbg2":"cli_arguments":"-x":"ccs"/report.tex

- data/reports/sim_hifi_fragment_correction_steps/s/"genome":"D.melanogaster_ISO1","read_simulator":"bbmap_hifi","assembler":"wtdbg2":"cli_arguments":"-x":"ccs"/report.tex

- data/reports/sim_hifi_fragment_correction_steps/s/"genome":"Minghui63","read_simulator":"bbmap_hifi","assembler":"wtdbg2":"cli_arguments":"-x":"ccs"/report.tex

Table 1: EA50max

EA50max/Strict EA50max	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	2801683/2801683	2801682/2801682	2801682/2801682	2801682/2801682	2801682/2801682	2801682/2801682	2801682/2801682	2801682/2801682	2801682/2801682	2801682/2801682	2801682/2801682
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	779196/654942	841045/686574	832510/684386	832510/684386	832510/684386	832510/684386	833693/691058	841045/691058	841045/691058	841045/691058	841045/686574
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	1551622/1551622	2190036/1972247	1973644/1955673	1955673/1955673	1987815/1955673	1987815/1955673	1987815/1955673	2190036/1972247	2190036/1972247	2190036/1972247	2190036/1972247
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	1139146/971115	1139146/962567	1139146/962567	1139146/962567	1139146/962567	1139146/962567	1139146/962567	1139146/962567	1139146/962567	1139146/962567	1139146/962567
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	655170/591359	666130/650112	666130/631188	666130/631188	666130/631188	666130/631188	666130/650112	666130/650112	666130/650112	666130/650112	666130/650112
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	268912/260889	437949/421891	415016/399328	418249/402555	411667/396331	413307/397528	437389/428299	449778/430880	449778/430880	451180/432451	437949/421891

Table 2: EA75max

EA75max/Strict EA75max	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	1559455/1559455	1559455/1559455	1559455/1559455	1559455/1559455	1559455/1559455	1559455/1559455	1559455/1559455	1559455/1559455	1559455/1559455	1559455/1559455	1559455/1559455
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	387616/341007	411974/348985	435679/378355	435679/378355	435679/378355	435679/378355	435679/374167	411974/348985	411974/348985	411974/348985	411974/348985
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	478910/460391	706561/662898	758945/650453	820936/664083	820936/604227	820936/621620	758945/664083	684674/549113	684674/549113	706561/662898	706561/662898
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	289250/250260	309620/263363	330614/269521	330614/269521	314508/266698	314508/266698	309620/263363	309620/263363	309620/263363	309620/263363	309620/263363
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	187183/172239	192366/175265	199078/177729	199078/177729	199078/177729	194393/176558	199078/176558	199078/175954	199078/175954	199078/175954	192366/175265
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	123042/118337	205920/196438	225307/216304	226664/217758	220874/212130	220874/211743	226664/217535	210205/200768	209853/200331	210205/200677	205920/196438

Table 3: EAmeanmax

EAmeanmax/Strict EAmeanmax	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	1891931/1891931	1891931/1891931	1891931/1891931	1891931/1891931	1891931/1891931	1891931/1891931	1891931/1891931	1891931/1891931	1891931/1891931	1891931/1891931	1891931/1891931
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	950120/793614	1069763/828207	1044122/812536	1039814/811489	1038848/828882	1038317/828654	1064044/850875	1069526/843043	1069526/843043	1069873/843390	1069763/828207
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	2424501/2350560	2945129/2830596	3028433/2922711	2927638/2826386	2978336/2852619	2978907/2853209	2932305/2810590	2941067/2825822	2941067/2825822	2947181/2830843	2945129/2830596
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	1301617/1240984	1257169/1153232	1246392/1143355	1254583/1151219	1244739/1148072	1251118/1154347	1250990/1154195	1256683/1152767	1256701/1152784	1257396/1153458	1257169/1153232
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	865496/782254	871532/801153	876305/799929	876504/800116	876465/799928	876001/799637	872582/801999	871976/801439	871860/801481	871826/801447	871532/801153
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	364748/353337	555336/535523	513957/499018	517029/502089	509041/494268	509356/494487	548974/532763	554837/535179	554735/535069	559441/539626	555336/535523

Table 4: P5k

P5k/Strict P5k	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.963/0.963	0.964/0.964	0.965/0.965	0.965/0.965	0.965/0.965	0.965/0.965	0.964/0.964	0.964/0.964	0.964/0.964	0.964/0.964	0.964/0.964
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.944/0.943	0.954/0.953	0.957/0.956	0.957/0.956	0.957/0.956	0.956/0.956	0.956/0.955	0.954/0.954	0.954/0.954	0.954/0.954	0.954/0.953
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.881/0.879	0.886/0.884	0.892/0.890	0.891/0.889	0.891/0.889	0.890/0.888	0.889/0.887	0.886/0.885	0.886/0.885	0.886/0.884	0.886/0.884
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.896/0.895	0.900/0.899	0.906/0.905	0.905/0.904	0.905/0.904	0.903/0.902	0.903/0.902	0.900/0.899	0.900/0.899	0.900/0.899	0.900/0.899
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.912/0.911	0.952/0.951	0.964/0.963	0.963/0.963	0.963/0.962	0.962/0.961	0.958/0.958	0.954/0.954	0.954/0.953	0.953/0.952	0.952/0.951

Table 5: P10k

P10k/Strict P10k	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.962/0.961	0.963/0.962	0.964/0.964	0.964/0.964	0.964/0.964	0.964/0.963	0.964/0.963	0.963/0.962	0.963/0.962	0.963/0.962	0.963/0.962
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.943/0.942	0.953/0.952	0.956/0.955	0.956/0.955	0.956/0.955	0.956/0.954	0.955/0.954	0.953/0.952	0.953/0.952	0.953/0.952	0.953/0.952
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.878/0.875	0.883/0.881	0.889/0.887	0.889/0.886	0.888/0.886	0.887/0.885	0.887/0.884	0.884/0.881	0.884/0.881	0.884/0.881	0.883/0.881
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.893/0.891	0.897/0.895	0.904/0.902	0.903/0.901	0.902/0.901	0.900/0.899	0.900/0.898	0.897/0.896	0.897/0.896	0.897/0.896	0.897/0.895
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.909/0.908	0.950/0.950	0.963/0.962	0.963/0.962	0.962/0.961	0.961/0.960	0.958/0.957	0.953/0.952	0.953/0.952	0.952/0.951	0.950/0.950

Table 6: P15k

P15k/Strict P15k	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.959/0.959	0.960/0.959	0.962/0.961	0.962/0.961	0.962/0.961	0.961/0.961	0.961/0.961	0.960/0.959	0.960/0.959	0.960/0.959	0.960/0.959
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.941/0.939	0.951/0.950	0.955/0.954	0.955/0.954	0.955/0.954	0.954/0.953	0.953/0.952	0.951/0.950	0.951/0.950	0.951/0.950	0.951/0.950
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.874/0.871	0.880/0.876	0.887/0.883	0.886/0.883	0.885/0.882	0.884/0.881	0.884/0.881	0.881/0.877	0.881/0.877	0.880/0.877	0.880/0.876
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.887/0.885	0.892/0.890	0.900/0.897	0.899/0.896	0.899/0.896	0.896/0.894	0.896/0.893	0.893/0.890	0.893/0.890	0.893/0.890	0.892/0.890
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.905/0.904	0.948/0.946	0.962/0.961	0.962/0.960	0.961/0.960	0.959/0.958	0.956/0.955	0.951/0.949	0.950/0.949	0.949/0.948	0.948/0.946

Table 7: P20k

P20k/Strict P20k	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978	0.978/0.978
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.956/0.955	0.957/0.956	0.959/0.958	0.959/0.958	0.959/0.958	0.958/0.958	0.958/0.958	0.957/0.956	0.957/0.956	0.957/0.956	0.957/0.956
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.939/0.937	0.950/0.948	0.954/0.952	0.954/0.952	0.954/0.952	0.952/0.951	0.952/0.950	0.950/0.949	0.950/0.949	0.950/0.948	0.950/0.948
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.870/0.867	0.875/0.872	0.883/0.880	0.883/0.879	0.883/0.879	0.881/0.878	0.881/0.877	0.876/0.873	0.877/0.873	0.876/0.872	0.875/0.872
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.880/0.877	0.886/0.882	0.896/0.892	0.895/0.891	0.894/0.890	0.891/0.887	0.890/0.886	0.886/0.882	0.886/0.882	0.886/0.882	0.886/0.882
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0.901/0.899	0.944/0.942	0.960/0.958	0.960/0.958	0.960/0.958	0.957/0.955	0.954/0.952	0.948/0.946	0.947/0.945	0.946/0.944	0.944/0.942

Table 8: EAmeanmax and unique misassemblies

EAmeanmax/unique mis	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	1891931/0	1891931/0	1891931/0	1891931/0	1891931/0	1891931/0	1891931/0	1891931/0	1891931/0	1891931/0	1891931/0
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	950120/20	1069763/31	1044122/53	1039814/46	1038848/43	1038317/42	1064044/33	1069526/34	1069526/34	1069873/34	1069763/31
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	2424501/20	2945129/60	3028433/112	2927638/107	2978336/97	2978907/90	2932305/65	2941067/64	2941067/64	2947181/64	2945129/60
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	1301617/101	1257169/142	1246392/247	1254583/237	1244739/226	1251118/204	1250990/166	1256683/153	1256701/152	1257396/147	1257169/142
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	865496/82	871532/112	876305/216	876504/202	876465/199	876001/163	872582/137	871976/115	871860/112	871826/111	871532/112
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	364748/221	555336/831	513957/1687	517029/1674	509041/1595	509356/1506	548974/917	554837/914	554735/908	559441/853	555336/831

Table 9: Number of unique/total extensive misassemblies. These do not include local misassemblies. The 'uniqueness' is determined heuristically.

unique/total ext. mis.	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	20/20	31/32	53/68	46/58	43/49	42/48	33/36	34/36	34/36	34/36	31/32
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	20/20	60/68	112/140	107/135	97/121	90/111	65/76	64/76	64/76	64/74	60/68
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	101/101	142/149	247/331	237/320	226/270	204/242	166/190	153/168	152/167	147/154	142/149
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	82/82	112/127	216/260	202/247	199/237	163/186	137/146	115/124	112/121	111/122	112/127
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	221/222	831/1119	1687/2325	1674/2315	1595/2101	1506/2004	917/1162	914/1209	908/1178	853/1145	831/1119

Table 10: Number of unique/total local misassemblies. The 'uniqueness' is determined heuristically.

unique/total loc. mis.	wtdbg2	w2 frg1 YV	w2 frg2 YV	w2 frg3 YV	w2 frg4 YV	w2 frg5 YV	w2 frg6 YV	w2 frg7 YV	w2 frg8 YV	w2 frg9 YV	w2 frg10 YV
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	44/44	55/55	64/73	63/69	59/60	56/57	56/56	52/53	52/53	52/53	55/55
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	58/58	50/53	70/112	70/120	63/94	62/91	59/71	58/68	58/68	53/57	50/53
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	153/154	186/208	195/265	194/262	190/241	187/235	187/227	187/213	187/212	186/209	186/208
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	103/104	131/143	154/179	154/181	154/174	146/163	139/156	135/144	132/140	132/144	131/143
sim_hifi_fragment_correction_steps/r:bb,a:(w:(x:cc))	191/191	230/369	306/532	301/529	287/480	286/471	252/363	250/365	238/338	234/375	230/369