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

- data/reports/sim_hifi_contigbreaker/s/"genome":"C.elegans","read_simulator":"bbmap_hifi","assembler":"wtDBG2":"-x":"ccs"/report.tex
- data/reports/sim_hifi_contigbreaker/s/"genome":"A.thaliana","read_simulator":"bbmap_hifi","assembler":"wtDBG2":"-x":"ccs"/report.tex
- data/reports/sim_hifi_contigbreaker/s/"genome":"D.melanogaster_A4","read_simulator":"bbmap_hifi","assembler":"wtDBG2":"-x":"ccs"/report.tex
- data/reports/sim_hifi_contigbreaker/s/"genome":"D.melanogaster_ISO1","read_simulator":"bbmap_hifi","assembler":"wtDBG2":"-x":"ccs"/report.tex
- data/reports/sim_hifi_contigbreaker/s/"genome":"Minghui63","read_simulator":"bbmap_hifi","assembler":"wtDBG2":"-x":"ccs"/report.tex
- data/reports/Minghui63_contigbreaker/s/"genome":"Minghui63","assembler":"wtDBG2":"cli_arguments":"-x":"ccs"/report.tex

Table 1: EA50max

EA50max/Strict EA50max	YV sfa		w2 sfa	YV	frg YV		wtDBG2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk		w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	842585/693615	623878/548120		848567/720793	848567/741365	848567/741365		832965/647125	623878/548120	838851/697220	839646/661097		838851/697220
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	865287/821460	619442/556445		1018239/865287	1325502/1018239	830775/769855		857469/821460	619442/556445	846546/785006	1325502/1018239		830775/769855
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	1014655/926831	959368/895614	1241437/1114152		1318230/1190759	1318230/1093983		1014655/926831	959368/895614	1318230/1093983	1318230/1190759	1318230/1093983	
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	955552/856539	935226/755184	1037287/977220		1073194/1004699	1068237/966958		932352/811639	850532/687621	1037287/935226	1037287/976596	1037287/935226	
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	154142/149319	126853/122859	162869/157149		159116/153883	155300/150555		153661/148861	125828/122024	152957/147967	156602/151004	153653/149302	
Minghui63_contigbreaker/a:(w:(x:cc))	565115/541129	255636/242084	585161/558951	1083985/969103	406172/376146	558951/535154	254019/241007	393414/365954	1003622/899831	388602/365954			

Table 2: EA75max

EA75max/Strict EA75max	YV sfa		w2 sfa	YV	frg YV		wtDBG2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk		w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	424418/342858	296949/255587	437256/380827	479349/381046	447007/354438	372994/310581	294395/255587	396036/322089	396036/307282	396036/322089			
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	312477/282284	165494/153334	344027/285990	339300/286038	223724/203570	312178/281759	156430/149306	223713/202373	307273/272567	214221/198181			
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	315321/269197	286312/259508	345610/309653	378727/342747	360220/326011	315321/269197	286312/259508	360220/326011	378727/342747	360220/326011			
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	271543/262608	266946/255818	307497/288744	307497/286816	299615/281151	236882/220844	219722/192710	268907/260208	268907/260208	268907/260208			
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	61542/58822	46377/44930	64133/62478	58062/56066	55595/54485	60636/58129	45382/44165	53985/52729	55546/54379	54490/53398			
Minghui63_contigbreaker/a:(w:(x:cc))	297054/277366	106868/102135	318929/293899	544689/473905	143046/136119	293204/271944	105010/99847	135504/125326	462314/406239	130888/120385			

Table 3: EAmeanmax

EAmeanmax/Strict EAmeanmax	YV sfa		w2 sfa	YV	frg YV		wtDBG2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk		w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	927184/788910	766330/668426	999530/864549	1073138/906374	1056638/866616	883285/745023	764130/667555	971799/832098	967021/800257	971790/832096			
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	1522614/1341431	957011/824339	1591968/1391921	1967523/1414273	1161938/1003856	1497598/1339464	954644/821986	1168251/995071	1957409/1406671	1159484/1001401			
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	1124903/1051040	1123738/1029622	1255128/1138542	1334928/1174822	1317188/1165827	1124808/1050960	1123520/1029418	1316881/1165583	1334880/1174789	1317036/1165689			
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	1159724/1012715	1107305/1006306	1324705/1121408	1365270/1188156	1317967/1154101	1122374/998221	1089575/988934	1299963/1136554	1293222/1159519	1299963/1136554			
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	225569/219247	181737/179004	237494/230320	247226/238452	235856/229319	224283/218112	180768/178151	231060/225680	240361/234448	233767/227379			
Minghui63_contigbreaker/a:(w:(x:cc))	696734/670066	353978/345111	737036/696038	1318891/1200888	582357/562628	686771/665076	352234/343543	561008/543246	1249864/1138268	570534/551680			

Table 4: P5k

P5k/Strict P5k	YV sfa	w2 sfa	YV	frg YV	wtdbg2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk	w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.966/0.965	0.959/0.958	0.967/0.966	0.964/0.963	0.962/0.961	0.934/0.933	0.954/0.953	0.929/0.928	0.915/0.913	0.929/0.928
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.936/0.935	0.917/0.916	0.937/0.935	0.926/0.926	0.906/0.905	0.932/0.931	0.910/0.909	0.901/0.900	0.916/0.915	0.899/0.898
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.895/0.894	0.887/0.887	0.897/0.896	0.892/0.891	0.889/0.888	0.894/0.893	0.885/0.884	0.888/0.887	0.891/0.890	0.887/0.887
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.907/0.907	0.896/0.896	0.909/0.908	0.901/0.900	0.899/0.899	0.890/0.889	0.881/0.881	0.883/0.883	0.883/0.883	0.883/0.883
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.889/0.888	0.873/0.872	0.892/0.891	0.883/0.882	0.880/0.879	0.887/0.886	0.870/0.870	0.873/0.872	0.876/0.875	0.875/0.875
Minghui63_contigbreaker/a:(w:(x:cc))	0.981/0.980	0.936/0.936	0.981/0.980	0.972/0.971	0.888/0.888	0.974/0.973	0.932/0.931	0.875/0.875	0.946/0.945	0.873/0.873

Table 5: P10k

P10k/Strict P10k	YV sfa	w2 sfa	YV	frg YV	wtdbg2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk	w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.965/0.963	0.956/0.955	0.965/0.964	0.963/0.962	0.960/0.959	0.932/0.931	0.952/0.951	0.927/0.926	0.913/0.912	0.927/0.926
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.934/0.932	0.913/0.911	0.934/0.933	0.924/0.923	0.903/0.902	0.929/0.928	0.906/0.905	0.898/0.897	0.913/0.912	0.896/0.894
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.892/0.890	0.883/0.882	0.895/0.893	0.890/0.888	0.886/0.885	0.891/0.889	0.881/0.880	0.885/0.884	0.889/0.887	0.885/0.884
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.904/0.903	0.891/0.890	0.906/0.905	0.898/0.897	0.896/0.895	0.887/0.886	0.877/0.876	0.880/0.879	0.880/0.880	0.880/0.879
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.881/0.880	0.863/0.862	0.885/0.884	0.875/0.874	0.872/0.871	0.879/0.878	0.860/0.859	0.865/0.864	0.868/0.867	0.868/0.867
Minghui63_contigbreaker/a:(w:(x:cc))	0.980/0.979	0.931/0.930	0.980/0.979	0.971/0.970	0.886/0.885	0.973/0.971	0.927/0.925	0.873/0.871	0.944/0.943	0.870/0.869

Table 6: P15k

P15k/Strict P15k	YV sfa	w2 sfa	YV	frg YV	wtdbg2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk	w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.962/0.960	0.952/0.951	0.963/0.961	0.960/0.958	0.957/0.955	0.930/0.928	0.948/0.946	0.924/0.922	0.910/0.909	0.924/0.922
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.931/0.929	0.908/0.906	0.932/0.929	0.920/0.918	0.899/0.897	0.927/0.924	0.901/0.899	0.894/0.892	0.909/0.907	0.892/0.889
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.887/0.886	0.878/0.877	0.889/0.888	0.884/0.883	0.881/0.880	0.886/0.885	0.876/0.875	0.880/0.879	0.884/0.882	0.880/0.879
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.900/0.898	0.887/0.885	0.903/0.901	0.894/0.893	0.893/0.892	0.882/0.881	0.872/0.871	0.877/0.876	0.877/0.876	0.877/0.876
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.872/0.870	0.851/0.850	0.877/0.876	0.867/0.865	0.863/0.862	0.870/0.868	0.848/0.847	0.856/0.854	0.860/0.858	0.859/0.857
Minghui63_contigbreaker/a:(w:(x:cc))	0.979/0.976	0.925/0.923	0.979/0.977	0.970/0.968	0.883/0.881	0.971/0.969	0.921/0.919	0.870/0.868	0.943/0.941	0.867/0.866

Table 7: P20k

P20k/Strict P20k	YV sfa	w2 sfa	YV	frg YV	wtdbg2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk	w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.959/0.957	0.949/0.947	0.960/0.958	0.957/0.955	0.953/0.952	0.927/0.924	0.944/0.942	0.920/0.918	0.907/0.905	0.920/0.918
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.928/0.925	0.904/0.902	0.929/0.925	0.916/0.913	0.896/0.893	0.924/0.920	0.898/0.895	0.891/0.888	0.906/0.903	0.889/0.886
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.884/0.881	0.873/0.871	0.887/0.884	0.881/0.879	0.877/0.875	0.883/0.880	0.871/0.869	0.876/0.874	0.880/0.878	0.876/0.874
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.895/0.893	0.880/0.879	0.899/0.896	0.889/0.887	0.888/0.886	0.878/0.876	0.866/0.864	0.872/0.870	0.872/0.870	0.872/0.870
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	0.862/0.860	0.838/0.836	0.867/0.865	0.856/0.853	0.852/0.850	0.860/0.858	0.835/0.833	0.845/0.843	0.849/0.847	0.848/0.846
Minghui63_contigbreaker/a:(w:(x:cc))	0.976/0.974	0.919/0.916	0.978/0.975	0.968/0.966	0.879/0.877	0.969/0.966	0.914/0.912	0.866/0.864	0.941/0.939	0.864/0.862

Table 8: EAmearmax and unique misassemblies

EAmearmax/unique mis	YV sfa	w2 sfa	YV	frg YV	wtdbg2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk	w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	927184/96	766330/20	999530/99	1073138/49	1056638/31	883285/95	764130/20	971799/31	967021/47	971790/31
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	1522614/194	957011/39	1591968/214	1967523/132	1161938/73	1497598/189	954644/37	1168251/69	1957409/128	1159484/69
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	1124903/153	1123738/78	1255128/187	1334928/134	1317188/117	1124808/151	1123520/76	1316881/119	1334880/133	1317036/115
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	1159724/176	1107305/72	1324705/195	1365270/115	1317967/113	1122374/170	1089575/69	1299963/109	1293222/112	1299963/109
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	225569/749	181737/263	237494/962	247226/632	235856/565	224283/736	180768/259	231060/563	240361/616	233767/551
Minghui63_contigbreaker/a:(w:(x:cc))	696734/2389	353978/636	737036/2431	1318891/1531	582357/738	686771/2292	352234/613	561008/698	1249864/1428	570534/694

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

unique/total ext. mis.	YV sfa	w2 sfa	YV	frg YV	wtdbg2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk	w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	96/117	20/20	99/119	49/56	31/31	95/116	20/20	31/31	47/54	31/31
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	194/256	39/39	214/276	132/164	73/73	189/246	37/37	69/69	128/160	69/69
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	153/165	78/78	187/199	134/141	117/117	151/161	76/76	119/119	133/139	115/115
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	176/202	72/72	195/222	115/119	113/113	170/195	69/69	109/109	112/113	109/109
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	749/997	263/266	962/1201	632/684	565/570	736/980	259/262	563/568	616/664	551/556
Minghui63_contigbreaker/a:(w:(x:cc))	2389/3398	636/662	2431/3470	1531/2559	738/767	2292/3243	613/637	698/724	1428/2356	694/718

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

unique/total loc. mis.	YV sfa	w2 sfa	YV	frg YV	wtdbg2	YV sfa brk	w2 sfa brk	YV brk	frg YV brk	w2 brk
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	144/191	88/88	139/184	110/122	98/98	143/190	83/83	92/92	110/122	92/92
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	181/273	110/110	183/272	110/150	114/114	171/248	109/109	114/114	109/149	114/114
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	137/167	97/97	141/171	119/120	103/104	129/159	93/93	96/97	111/112	99/100
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	97/116	78/78	99/119	73/76	86/86	81/99	71/71	74/74	65/65	74/74
sim_hifi_contigbreaker/r:bb,a:(w:(x:cc))	309/479	185/187	318/488	207/231	208/212	283/447	181/183	197/199	200/223	200/202
Minghui63_contigbreaker/a:(w:(x:cc))	682/1369	350/416	670/1342	485/1100	336/400	643/1302	341/397	316/369	471/1054	312/364