

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

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

- data/reports/sim_hifi/s/"genome": "C.elegans", "read_simulator": "bbmap_hifi"/report.tex

- data/reports/sim_hifi/s/"genome": "A.thaliana", "read_simulator": "bbmap_hifi"/report.tex

- data/reports/sim_hifi/s/"genome": "D.melanogaster_A4", "read_simulator": "bbmap_hifi"/report.tex

- data/reports/sim_hifi/s/"genome": "D.melanogaster_ISO1", "read_simulator": "bbmap_hifi"/report.tex

- data/reports/sim_hifi/s/"genome": "Minghui63", "read_simulator": "bbmap_hifi"/report.tex

Table 1: EA50max

EA50max/Strict EA50max	YV sfa		w2 sfa	YV		frg YV	w2	flye	hifiasm
sim_hifi/r:bb	750021/628862	648026/570316	833693/657905	841045/686574	779196/654942	1481660/1176841	1612852/1612852		
sim_hifi/r:bb	1639023/1467027	910923/910923	1709820/1639023	2190036/1972247	1551622/1551622	4380812/4228822	10401362/10401362		
sim_hifi/r:bb	1107346/962567	957536/871174	1139146/962567	1139146/962567	1139146/971115	1486093/1428635	22304776/19558467		
sim_hifi/r:bb	516967/460254	459628/448655	591359/558480	666130/650112	655170/591359	1383767/1383767	17017741/17017741		
sim_hifi/r:bb	346303/341542	194337/191170	367825/359781	437949/421891	268912/260889	2465935/2376524	22043549/22043549		

Table 2: EA75max

EA75max/Strict EA75max	YV sfa		w2 sfa	YV		frg YV	w2	flye	hifiasm
sim_hifi/r:bb	401118/336978	328822/308093	430105/374167	411974/348985	387616/341007	697569/693534	753822/753822		
sim_hifi/r:bb	506834/469871	338511/307091	596934/485374	706561/662898	478910/460391	2775919/2186654	3831526/3831526		
sim_hifi/r:bb	300015/263340	247991/233068	314508/266257	309620/263363	289250/250260	537222/502458	15903524/8321246		
sim_hifi/r:bb	152279/137649	137291/129348	192289/176558	192366/175265	187183/172239	517573/517573	5098914/5098914		
sim_hifi/r:bb	186482/179701	91470/89948	198497/189823	205920/196438	123042/118337	1130978/1115777	14658401/13618930		

Table 3: EAmeanmax

EAmeanmax/Strict EAmeanmax	YV sfa		w2 sfa	YV		frg YV	w2	flye	hifiasm
sim_hifi/r:bb	950454/770633	824188/702403	1022029/810068	1069763/828207	950120/793614	1489788/1364589	1554366/1502305		
sim_hifi/r:bb	2117433/2078983	1672961/1655392	2198701/2136447	2945129/2830596	2424501/2350560	5721313/5414786	8559758/8414704		
sim_hifi/r:bb	1195057/1126369	1109190/1079303	1220881/1131287	1257169/1153232	1301617/1240984	1981684/1928464	18264470/15892187		
sim_hifi/r:bb	695146/640443	650582/601990	848854/775398	871532/801153	865496/782254	1584108/1541114	13466341/13466341		
sim_hifi/r:bb	417697/407248	246173/241249	435882/423275	555336/535523	364748/353337	2979575/2883925	22584220/22375333		

Table 4: P5k

P5k/Strict P5k	YV sfa	w2 sfa	YV	frg YV	w2	flye	hifiasm
sim_hifi/r:bb	0.965/0.965	0.961/0.961	0.966/0.966	0.964/0.964	0.963/0.963	0.977/0.976	0.989/0.989
sim_hifi/r:bb	0.957/0.957	0.947/0.947	0.958/0.957	0.954/0.953	0.944/0.943	0.970/0.970	0.977/0.977
sim_hifi/r:bb	0.894/0.893	0.880/0.878	0.895/0.893	0.886/0.884	0.881/0.879	0.939/0.939	0.980/0.980
sim_hifi/r:bb	0.908/0.906	0.893/0.892	0.910/0.909	0.900/0.899	0.896/0.895	0.937/0.937	0.954/0.954
sim_hifi/r:bb	0.969/0.969	0.928/0.928	0.970/0.970	0.952/0.951	0.912/0.911	0.996/0.996	1.000/1.000

Table 5: P10k

P10k/Strict P10k	YV sfa	w2 sfa	YV	frg YV	w2	flye	hifiasm
sim_hifi/r:bb	0.964/0.964	0.960/0.959	0.965/0.964	0.963/0.962	0.962/0.961	0.977/0.976	0.989/0.989
sim_hifi/r:bb	0.957/0.955	0.945/0.944	0.957/0.956	0.953/0.952	0.943/0.942	0.969/0.969	0.977/0.977
sim_hifi/r:bb	0.891/0.888	0.876/0.874	0.892/0.890	0.883/0.881	0.878/0.875	0.937/0.936	0.980/0.980
sim_hifi/r:bb	0.904/0.902	0.888/0.887	0.907/0.905	0.897/0.895	0.893/0.891	0.936/0.936	0.954/0.954
sim_hifi/r:bb	0.968/0.967	0.923/0.922	0.969/0.968	0.950/0.950	0.909/0.908	0.996/0.996	1.000/1.000

Table 6: P15k

P15k/Strict P15k	YV sfa	w2 sfa	YV	frg YV	w2	flye	hifiasm
sim_hifi/r:bb	0.962/0.961	0.957/0.956	0.962/0.962	0.960/0.959	0.959/0.959	0.976/0.976	0.987/0.987
sim_hifi/r:bb	0.955/0.954	0.942/0.941	0.956/0.954	0.951/0.950	0.941/0.939	0.969/0.968	0.976/0.976
sim_hifi/r:bb	0.886/0.883	0.871/0.868	0.889/0.886	0.880/0.876	0.874/0.871	0.934/0.933	0.979/0.979
sim_hifi/r:bb	0.898/0.896	0.881/0.879	0.902/0.899	0.892/0.890	0.887/0.885	0.934/0.933	0.952/0.952
sim_hifi/r:bb	0.966/0.964	0.916/0.915	0.967/0.966	0.948/0.946	0.905/0.904	0.996/0.995	1.000/1.000

Table 7: P20k

P20k/Strict P20k	YV sfa	w2 sfa	YV	frg YV	w2	flye	hifiasm
sim_hifi/r:bb	0.959/0.958	0.954/0.953	0.959/0.959	0.957/0.956	0.956/0.955	0.975/0.974	0.982/0.982
sim_hifi/r:bb	0.954/0.952	0.940/0.938	0.954/0.953	0.950/0.948	0.939/0.937	0.968/0.968	0.974/0.974
sim_hifi/r:bb	0.883/0.880	0.864/0.862	0.886/0.882	0.875/0.872	0.870/0.867	0.930/0.929	0.974/0.974
sim_hifi/r:bb	0.892/0.888	0.871/0.868	0.896/0.892	0.886/0.882	0.880/0.877	0.931/0.930	0.950/0.950
sim_hifi/r:bb	0.964/0.961	0.908/0.906	0.965/0.963	0.944/0.942	0.901/0.899	0.995/0.995	1.000/1.000

Table 8: EAMeanmax and unique misassemblies

EAMeanmax/unique mis	YV sfa	w2 sfa	YV	frg YV	w2	flye	hifiasm
sim_hifi/r:bb	950454/44	824188/10	1022029/53	1069763/31	950120/20	1489788/21	1554366/5
sim_hifi/r:bb	2117433/82	1672961/11	2198701/89	2945129/60	2424501/20	5721313/14	8559758/11
sim_hifi/r:bb	1195057/190	1109190/51	1220881/233	1257169/142	1301617/101	1981684/80	18264470/55
sim_hifi/r:bb	695146/201	650582/45	848854/227	871532/112	865496/82	1584108/65	13466341/18
sim_hifi/r:bb	417697/1256	246173/88	435882/1351	555336/831	364748/221	2979575/53	22584220/3

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	w2	flye	hifiasm
sim_hifi/r:bb	44/53	10/10	53/62	31/32	20/20	21/19	5/5
sim_hifi/r:bb	82/96	11/11	89/104	60/68	20/20	14/13	11/11
sim_hifi/r:bb	190/228	51/51	233/272	142/149	101/101	80/73	55/55
sim_hifi/r:bb	201/224	45/45	227/251	112/127	82/82	65/64	18/19
sim_hifi/r:bb	1256/1561	88/89	1351/1689	831/1119	221/222	53/45	3/3

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

unique/total loc. mis.	YV sfa	w2 sfa	YV	frg YV	w2	flye	hifiasm
sim_hifi/r:bb	59/66	46/46	64/71	55/55	44/44	15/11	8/8
sim_hifi/r:bb	81/116	56/56	80/114	50/53	58/58	20/9	8/8
sim_hifi/r:bb	201/237	146/147	211/239	186/208	153/154	49/29	12/12
sim_hifi/r:bb	160/205	99/101	168/212	131/143	103/104	39/10	0/0
sim_hifi/r:bb	346/557	174/174	345/556	230/369	191/191	32/19	1/1