

Table 2: **Statistics of homemade assemblies.** Note that due to poor quality *D. algonquin*, *D. lowei* and *D. tristis* assemblies were not further considered.

	Contigs \geq 50kb	Total length (\geq 1kb)	Longest contig	%GC	N50
<i>D. affinis</i>	169	147126660	687738	44.45	5463
<i>D. algonquin</i>	51	272844885	219993	45.16	4446
<i>D. ambigua</i>	538	156349648	409858	45.93	23712
<i>D. athabasca</i>	210	160850000	441932	44.54	11652
<i>D. azteca</i>	545	162488972	641789	44.82	19429
<i>D. barbarae</i>	386	145250863	493065	41.81	5837
<i>D. bifasciata</i>	259	158465883	954162	44.04	4201
<i>D. diplacantha</i>	340	156935324	687748	42.35	5854
<i>D. equinoxialis</i>	667	166137528	462029	37.82	27126
<i>D. ercepaie</i>	329	155659186	479053	41.69	4542
<i>D. guanche</i>	659	127742384	747505	45.08	92402
<i>D. helevetica</i>	502	181304936	422400	43.98	16865
<i>D. imaii</i>	677	158613577	418509	44.43	31207
<i>D. lucipennis</i>	332	189166778	517550	39.62	3257
<i>D. lutescens</i>	345	153037950	503862	41.27	10363
<i>D. madeirensis</i>	256	154254063	430690	45.93	10838
<i>D. malerkotliana</i>	303	144646917	368035	42.11	8864
<i>D. mercatorum_1</i>	271	150635081	466656	41.37	18464
<i>D. mercatorum_2</i>	175	145417161	308522	41.15	11148
<i>D. microlabis</i>	466	151436788	657868	45.42	21110
<i>D. mimetica</i>	734	159457157	608274	40.88	41915
<i>D. nebulosa</i>	409	153854032	433844	39.27	18415
<i>D. obscura</i>	249	146992945	466676	44.29	11430
<i>D. pallidosa</i>	428	146063705	833094	42.93	11895
<i>D. paralutea</i>	547	145585249	512870	41.82	29136
<i>D. paulistorum</i>	910	161020710	388344	37.17	52289
<i>D. pbipectinata</i>	133	142168127	131272	42.62	7727
<i>D. phaeopleura</i>	661	147175698	361171	43.72	32794
<i>D. prostipennis</i>	226	154902922	158226	41.33	9896
<i>D. prosaltans</i>	290	163297839	196196	36.15	11905
<i>D. pseudoananassae</i>	491	143598001	477480	42.96	25006
<i>D. pseudotakahashii</i>	561	154776783	324593	41.38	24569
<i>D. subobscura</i>	435	135878437	687640	45.61	21712
<i>D. teissieri</i>	308	128508531	434810	43.70	10938
<i>D. tristis</i>	634	206013699	687670	43.82	7308
<i>D. tsukubaensis</i>	698	140259316	680642	45.09	52965
<i>D. varians</i>	592	122451092	622568	43.23	47925
<i>Z. africanus</i>	397	161303990	485865	41.85	8913
<i>Z. gabonicus</i>	122	155488001	213721	41.97	4060
<i>Z. indianus</i>	568	170377038	567239	42.64	14068
<i>D. lowei</i>	36	110723952	28402312	44.75	11698010