

**Supplementary Table 1. Summary of genome assembly (k = 77 selected)**

<b>k value</b>	<b>Contigs</b>	<b>No. of bases</b>	<b>Longest</b>	<b>Shortest</b>	<b>N50</b>	<b>N90</b>
67	720,471	1,366,689,130	47,812	500	2,804	789
<b>77</b>	<b>748,492</b>	<b>1,404,984,258</b>	<b>53,068</b>	<b>500</b>	<b>2,788</b>	<b>778</b>
87	764,612	1,387,429,382	52,950	500	2,650	757
97	743,548	1,302,683,958	45,850	500	2,493	744
107	682,929	1,070,198,162	36,901	500	2,078	707
117	531,204	667,859,072	22,138	500	1,487	632
127	133,321	112,175,541	15,611	500	875	532