

**Supplemental Table S3. Quality assessment of genome using metazoan and vertebrate database.**

Database	Species	Complete BUSCOs	Complete and single-copy BUSCOs	Complete and duplicated BUSCOs	Fragmented BUSCOs	Missing BUSCOs	Total BUSCOs lineage
Metazoan	TC	4383 (95.62%)	4191 (91.43%)	192 (4.19%)	57 (1.24%)	144 (3.14%)	4584
	BSB	4258 (92.89%)	4109 (89.64%)	149 (3.25%)	66 (1.44%)	260 (5.67%)	4584
Vertebrate	TC	2518 (97.37%)	2427 (93.85%)	91 (3.52%)	26 (1.01%)	42 (1.62%)	2586
	BSB	2451 (94.78%)	2372 (91.72%)	79 (3.05%)	36 (1.39%)	99 (3.83%)	2586