

**Supplementary Material 5.** Size (bp), substitution models, and informative sites of the datasets of COI, *cyt b*, 28S and H3.

Genetic marker	Size (bp)	Substitution model	Variable sites	Informative sites	% Informative sites
<b>COI</b>	626	-	201	168	26.83
COI 1pos	209	SYM+G	42	33	15.78
COI 2pos	209	F81+G	9	4	1.91
COI 3pos	208	HKY+G	150	131	62.98
<b><i>cyt b</i></b>	423	-	166	131	30.96
<i>cyt b</i> 1pos	141	GTR+I	48	38	26.95
<i>cyt b</i> 2pos	141	GTR+I	23	12	8.50
<i>cytb</i> 3pos	141	HKY+G	95	81	57.44
<b>H3</b>	314	-	29	15	4.77
H3 1pos	105	JC	3	2	1.90
H3 2pos	105	JC	1	0	0.00
H3 2pos	104	HKY	25	13	12.50
<b>28S</b>	652	HKY	65	25	3.83