

Table 3 AMOVA results for *Panulirus homarus* among four sites from the southern coast of Sri Lanka.

Locus	Source of variation	df	Sum of Squares	Variance components	Variation (%)	Fixation indices	Probability
COI	Among populations	3	8.657	-0.05091	-1.6	-0.016 03	0.651 03+-0.012 87
	Within populations	23	74.232	3.22748	101.6		
	Total	26	82.889	3.17658			
CYT B	Among populations	3	11.401	-0.20131	-3.65	-0.036 54	0.934 51+-0.007 18
	Within populations	34	194.178	5.7111	103.65		
	Total	37	205.579	5.509 8			