

Table 5 Neutrality indexes and Mismatch analyses for *P. homarus* populations based on COI and CytB mtDNA gene regions

Locus	Species and localities	No. of samples	Neutrality tests		Mismatch analyses	
			Tajima's D (D)	Fu's (Fs)	Rg	SSD
COI	GOD	6	-0.240 6	-2.109 1	0.417 8	0.149 2
	HIK	8	-0.698 5	-3.115 2	0.089 3	0.077 5
	KIR	7	-0.454 5	-2.733 7	0.140 6	0.036 7
	WEL	6	-0.909 5	-0.154 2	0.093 3	0.034 9
	Total	27	-2.303 1	-3.893 9		
CytB	GOD	10	-0.832 3	-1.102 5	0.034 1	0.017 1
	HIK	9	-0.361 8	-2.265 1	0.063 3	0.023 7
	KIR	9	-1.297 3	-2.370 2	0.040 1	0.159 1
	WEL	10	-1.154 1	-2.000 4	0.055 3	0.023 3
	Total	38	-3.645 7	-7.738 4		

Note: Raggedness (Rg) is expressed as Harpending (1994) raggedness index. SSD – sum of squared deviation.