

**Table S1.** Polymorphic nucleotide sites in 1,103 bp partial mitochondrial DNA COI gene of 76 haplotypes detected in 91 individuals of *Panulirus penicillatus*.

Types	Nucleotide position	
	111111111111222222222222222233333333333344444444444455555555666666666677777777	
	12345567889990123445778990000113445556691222336901234445890334779014445589901456881087345703258706109869557136925928148069406725857324069284909826007147060681662125	
1	AAATTACGATAGCGAGTGCTTGTACACAAAGAAACCTCAAGTGTGATTGAAACCTAGGCCAAGAATATTTAGCGATATAAACAG	
2	.....T.....	
3	.....C.....	
4	.....C.....	
5	.....C.....G.....	
6	.....C.....G.....	
7	.....C.....G.....	
8	.....C.....G.....G.....	
9	.....C.....G.....G.....	
10	.....C.....G.....G.....	
11	.....C.....G.....G.....	
12	.....C.....G.....G.....G.....	
13	.....C.....G.....C.....G.....	
14	.....C.....G.....G.....	
15	.....C.....G.....G.....G.....	
16	.....C.....G.....G.....G.....	
17	.....C.....G.....T.....G.....	
18	.....C.....T.....G.....G.....	
19	.....C.....G.....G.....G.....	
20	.....C.....G.....G.....C.....G.....	
21	.....C.....A.....G.....G.....	
22	.....C.....A.....T.....G.....	
23	.....A.....C.....G.....	
24	.....G.....C.....	
25	.....T.....G.....C.....	
26	.....T.....A.....	
27	.....G.....G.....GC.....A.....	
28	.....C.....C.....	
29	.....C.....C.....	
30	.....C.....C.....A.....	
31	.....C.....G.....C.....	
32	.....C.....C.....	
33	.....C.....C.....G.....G.....	
34	.....C.....C.....G.....GG.....	
35	.....C.....C.....GA.....G.....	
36	.....A.....G.....G.....C.....G.....C.....G.....	
37	.....G.....G.....C.....G.....C.....G.....	
38	.....A.....A.....C.....G.....	
39	.....A.....C.....C.....	
40	.....C.....C.....A.....A.....	
41	.....G.....G.....C.....AG.....G.....	
42	.....T.....C.....G.....G.....G.....	
43	.....A.....C.....G.....	
44	.....A.....C.....G.....C.....A.....G.....	
45	.G.C.....TA.C.....C.G.T.C..A.A.C.....TA.C.....A.G.G...A.A	
46	.GG.C.....TA.C.....C.G.T.C..A.A.C.....TA.A.....A.G.G...GA.A	
47	.GG.C.....TA.C.....C.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
48	.GG.C.....TA.C.....C.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
49	.GG.C.....TA.C.....C.G.T.C..A.A.C.....TA.C.....A.GCG...GA.A	
50	.GG.C.....TA.C.....C.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
51	.GG.C.....TA.C.....C.G.T.C..A.A.C.....TA.C.....A.G.G...A.A	
52	.GG.C.....TA.C.....C.G.T.C..A.A.C.....TA.GC.....A.G.G...GA.A	
53	.GG.C.....TA.C.....C.G.T.C..A.A.C.....T.TA.C.....A.G.G...GA.A	
54	.GG.C.....TA.C.....C.G.T.C..AC.A.C.....TA.C.....A.G.G...GA.A	
55	.GG.C.....TA.C.....C.G.TTC..A.A.C.....TA.C.....A.G.G...GA.A	
56	.GG.C.....TA.C.....G.G.T.C..A.A.C.....TA.GC.....A.G.G...GA.A	
57	.GG.C.....TA.C.....TG.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
58	.GG.C.....TA.AC.....C.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
59	.GG.C.....TA.AC.....C.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
60	.GG.C.....TA.AC.....C.G.T.C..A.A.C.....TA.C.....A.G...GA.A	
61	.GG.C.....TA.AC.....C.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
62	.GG.C.....TA.AC.....C.G.T.C..A.A.C.....GTA.C.....A.G.G...GA.A	
63	.GG.C.....TA.AC.....C.G.T.C..A.AA.C.....T.TA.C.....A.G.G...GA.A	
64	.GG.C.....TA.AC.....C.G.T.C..AC.A.C.....TA.C.....A.G...GA.A	
65	.GG.C.....TA.AC.....C.G.GT.C..A.AA.C.....T.TA.C.....A.G.G...GA.A	
66	.GG.C.....TA.AC.....T.C.G.T.C..A.A.CC.....TA.C.....A.G.G...GA.A	
67	.GG.C.....C.TA.C.....AGTG.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
68	.GG.C.A.....TA.CA.....C.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
69	.GG.C.T.....TA.C.....C.G.T.C..A.A.C.....T.TA.C.....A.G.G...GA.A	
70	.GG.CG.....T.C.....CAG.T.C..A.AA.C.....TA.C.....A.G.G...GA.A	
71	.GG.CG.....TA.C.....C.G.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
72	.GG.CG.....TA.C.....CAG.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
73	.GG.CG.....TAG.C.....CAG.T.C..A.A.C.....TA.C.....A.G.G...GA.A	
74	.GG.CG.....C.TA.C.....C.G.T.C..A.A.C.....TA.C.G...A.G.GC.GA.A	
75	.GGCC.....TA.C.....C.G.T.C..AC.A.C.....TA.C.....A.G.G...GA.A	
76	GGG.C.....TA.C.....C.G.T.C..A.A.C.....TA.GC.....A.G.G...GA.A	

