

Table S5. Location of features in the mtDNA of *Ph. guangxiensis*

Gene	Strand	Position	Length (nuc.)	Anticodon	Start codon	Stop codon	Intergenic nucleotides
tRNA ^{Ile}	+	1-69	69	ATC			-3
tRNA ^{Gln}	-	67-135	69	CAA			-1
tRNA ^{Met}	+	135-200	66	ATG			-1
ND2	+	201-1219	1019		ATT	TA	0
tRNA ^{Trp}	+	1219-1288	70	TGA			-8
tRNA ^{Cys}	-	1281-1344	64	TGC			6
tRNA ^{Tyr}	-	1351-1418	68	TAC			1
COI	+	1420-2958	1539		ATG	TAA	-5
tRNA ^{Leu2(UUA)}	+	2954-3020	67	TTA			0
COII	+	3021-3690	670		ATA	T	0
tRNA ^{Lys}	+	3691-3762	72	AAG			-1
tRNA ^{Asp}	+	3762-3827	66	GAC			0
ATP8	+	3828-3986	159		ATT	TAA	-4
ATP6	+	3983-4657	675		ATA	TAA	-1
COIII	+	4657-5442	783		ATG	TAA	2
tRNA ^{Gly}	+	5445-5506	62	GGA			0
ND3	+	5507-5860	354		ATT	TAG	1
tRNA ^{Ala}	+	5862-5923	62	GCA			2
tRNA ^{Arg}	+	5926-5990	65	CGA			2
tRNA ^{Asn}	+	5993-6056	64	AAC			3
tRNA ^{Ser1}	+	6060-6124	65	AGC			3
tRNA ^{Glu}	+	6128-6189	62	GAA			4
tRNA ^{Phe}	-	6194-6259	66	TTC			-1
ND5	-	6259-7983	1725		ATT	TAG	0
tRNA ^{His}	-	7984-8049	66	CAC			1
ND4	-	8051-9382	1332		ATG	TAG	-7
ND4L	-	9376-9660	285		ATA	TAA	7
tRNA ^{Thr}	+	9668-9730	63	ACA			0
tRNA ^{Pro}	-	9731-9801	71	CCA			8
ND6	+	9810-10283	474		ATA	TAA	-1
Cyt <i>b</i>	+	10283-11416	1137		ATG	TAA	-1
tRNA ^{Ser2}	+	11416-11483	68	TCA			-4
ND1	-	11480-12449	970		ATA	T	3
tRNA ^{Leu1(CUA)}	-	12453-12527	75	CTA			0
16S rRNA	-	12528-13855	1328				0
tRNA ^{Val}	-	13856-13923	68	GTA			0
12S rRNA	-	13924-14719	806				0
CR		14720-17005	2286				