

Table S4. Location of features in the mtDNA of *Serratella* sp. Yunnan-2018

Gene	Strand	Position	Length (nuc.)	Anti Codon	Start Codon	Stop Codon	Intergenic nucleotides
tRNA ^{Ile}	-	1-67	67	ATC			0
CR	+	68-526	459				0
tRNA ^{Gln}	-	527-595	69	CAA			0
tRNA ^{Met}	+	596-662	67	ATG			0
<i>nad2</i>	+	663-1685	1023		ATT	TAA	0
tRNA ^{Trp}	+	1684-1751	68	TGA			-2
tRNA ^{Cys}	-	1744-1805	62	TGC			-8
tRNA ^{Tyr}	-	1806-1872	67	TAC			0
<i>cox1</i>	+	1835-3409	1575		ATT	TAA	-38
tRNA ^{Leu2}	+	3405-3469	65	TTA			-5
<i>cox2</i>	+	3471-4158	688		ATG	T	+1
tRNA ^{Lys}	+	4159-4227	69	AAG			0
tRNA ^{Asp}	+	4228-4293	66	GAC			0
<i>atp8</i>	+	4294-4455	162		ATT	TAA	0
<i>atp6</i>	+	4452-5126	675		ATA	TAA	-4
<i>cox3</i>	+	5126-5914	789		ATG	TAA	-1
tRNA ^{Gly}	+	5914-5975	62	GGA			-1
<i>nad3</i>	+	5976-6329	354		GTG	TAG	0
tRNA ^{Ala}	+	6328-6391	64	GCA			-2
tRNA ^{Arg}	+	6392-6455	64	CGA			0
tRNA ^{Asn}	+	6453-6517	65	AAC			-3
tRNA ^{Ser1}	+	6515-6581	67	AGC			-3
tRNA ^{Glu}	+	6582-6645	64	GAA			0
tRNA ^{Phe}	-	6644-6709	66	TTC			-2
<i>nad5</i>	-	6711-8453	1743		ATA	TAA	+1
tRNA ^{His}	-	8451-8515	65	CAC			-3
<i>nad4</i>	-	8515-9861	1347		ATG	TAA	-1
<i>nad4l</i>	-	9855-10151	297		ATG	TAA	-7
tRNA ^{Thr}	+	10157-10219	63	ACA			+5
tRNA ^{Pro}	-	10220-10285	66	CCA			0
<i>nad6</i>	+	10291-10806	516		ATA	TAA	+5
<i>cytb</i>	+	10807-11943	1137		ATG	TAG	0
tRNA ^{Ser2}	+	11943-12011	69	TCA			-1
<i>nad1</i>	-	12031-12969	939		GTG	TAA	+19
tRNA ^{Leu1}	-	12970-13034	65	CTA			0
16S rRNA	-	13035-14264	1230				0
tRNA ^{Val}	-	14265-14333	69	GTA			0
12S rRNA	-	14335-15112	778				+1