

Table S5. Location of features in the mtDNA of *Serratella* sp. Liaoning-2019

Gene	Strand	Position	Length (nuc.)	Anti Codo n	Start Codon	Stop Codon	Intergenic nucleotides
tRNA ^{Ile}	-	1-67	67	ATC			0
CR	+	68-959	892				0
tRNA ^{Gln}	-	960-1028	69	CAA			0
tRNA ^{Met}	+	1029-1093	65	ATG			0
<i>nad2</i>	+	1094-2116	1023		ATT	TAA	0
tRNA ^{Trp}	+	2115-2182	68	TGA			-2
tRNA ^{Cys}	-	2175-2236	62	TGC			-8
tRNA ^{Tyr}	-	2237-2302	66	TAC			0
<i>cox1</i>	+	2286-3839	1554		ATC	TAA	-17
tRNA ^{Leu2}	+	3835-3899	65	TTA			-5
<i>cox2</i>	+	3901-4608	708		ATG	TAA	+1
tRNA ^{Lys}	+	4589-4657	69	AAG			-20
tRNA ^{Asp}	+	4658-4723	66	GAC			0
<i>atp8</i>	+	4724-4885	162		ATC	TAA	0
<i>atp6</i>	+	4882-5556	675		ATA	TAA	-4
<i>cox3</i>	+	5556-6344	789		ATG	TAA	-1
tRNA ^{Gly}	+	6344-6405	62	GGA			-1
<i>nad3</i>	+	6412-6759	348		ATT	TAG	+6
tRNA ^{Ala}	+	6758-6822	65	GCA			-2
tRNA ^{Arg}	+	6824-6883	60	CGA			+1
tRNA ^{Asn}	+	6882-6945	64	AAC			-2
tRNA ^{Ser1}	+	6943-7009	67	AGC			-3
tRNA ^{Glu}	+	7010-7073	64	GAA			0
tRNA ^{Phe}	-	7072-7135	64	TTC			-2
<i>nad5</i>	-	7136-8876	1741		GTG	T	0
tRNA ^{His}	-	8877-8940	64	CAC			0
<i>nad4</i>	-	8941-10285	1345		GTG	T	0
<i>nad4l</i>	-	10279-10575	297		ATG	TAA	-7
tRNA ^{Thr}	+	10578-10642	65	ACA			+2
tRNA ^{Pro}	-	10643-10707	65	CCA			0
<i>nad6</i>	+	10710-11226	517		TTG	T	+2
<i>cytb</i>	+	11227-12405	1179		ATG	TAA	0
tRNA ^{Ser2}	+	12362-12430	69	TCA			-44
<i>nad1</i>	-	12448-13386	939		ATT	TAA	+17
tRNA ^{Leu1}	-	13387-13451	65	CTA			0
16S rRNA	-	13452-14673	1222				0
tRNA ^{Val}	-	14674-14743	70	GTA			0
12S rRNA	-	14744-15514	771				0