

**Table S1.** Sampling and accession information of 71 specimens of *H. hermathena* sampled for this study.

Subspecies	Sequencing Code	SRA Accession Number	Sampling Locality	Coordinates	Population Codes Used across analyses
<i>H. h. hermathena</i>	hher01	SRR10761220	Santarém, PA	-2°27'38" S; -54°43'59" W	Santarém
<i>H. h. hermathena</i>	hher02	SRR10761219			
<i>H. h. hermathena</i>	hher03	SRR10761208			
<i>H. h. hermathena</i>	hher04	SRR10761197			
<i>H. h. hermathena</i>	hher05	SRR10761163			
<i>H. h. hermathena</i>	hher06	SRR10761152			
<i>H. h. hermathena</i>	hher07	SRR10761188			
<i>H. h. hermathena</i>	hher08	SRR10761177			
<i>H. h. hermathena</i>	hher09	SRR10761175			
<i>H. h. hermathena</i>	hher10	SRR10761174			
<i>H. h. sheppardi</i>	hher11	SRR10761218	Manaus, AM	-2°35'29.23" S; -60°1'48.87" W	Manaus
<i>H. h. sheppardi</i>	hher12	SRR10761217			
<i>H. h. sheppardi</i>	hher13	SRR10761216			
<i>H. h. sheppardi</i>	hher14	SRR10761215			
<i>H. h. sheppardi</i>	hher15	SRR10761214			
<i>H. h. sheppardi</i>	hher16	SRR10761213			
<i>H. h. sheppardi</i>	hher17	SRR10761212			
<i>H. h. sheppardi</i>	hher18	SRR10761211			
<i>H. h. sheppardi</i>	hher19	SRR10761210			
<i>H. h. sheppardi</i>	hher20	SRR10761209			
<i>H. h. duckei</i>	hher21	SRR10761207	Faro, PA	-1°58'48.60" S; -56°42'32.46" W	Faro_Aibi
<i>H. h. duckei</i>	hher22	SRR10761206			
<i>H. h. duckei</i>	hher23	SRR10761205			
<i>H. h. duckei</i>	hher24	SRR10761204			
<i>H. h. duckei</i>	hher25	SRR10761203			
<i>H. h. duckei</i>	hher26	SRR10761202			
<i>H. h. duckei</i>	hher27	SRR10761201			
<i>H. h. vereatta</i>	hher28	SRR10761200	Faro, PA	-2°11.23' S; -56°40.83' W	Faro_Tigre
<i>H. h. vereatta</i>	hher29	SRR10761199			
<i>H. h. vereatta</i>	hher30	SRR10761198			
<i>H. h. vereatta</i>	hher31	SRR10761173			
<i>H. h. vereatta</i>	hher32	SRR10761172			
<i>H. h. vereatta</i>	hher33	SRR10761171			
<i>H. h. vereatta</i>	hher34	SRR10761170			
<i>H. h. vereatta</i>	hher37	SRR10761169			
<i>H. h. vereatta</i>	hher63	SRR10761150			

<i>H. h. vereatta</i>	hher64	SRR10761196			
<i>H. h. vereatta</i>	hher65	SRR10761195			
<i>H. h. vereatta</i>	hher66	SRR10761194			
<i>H. h. vereatta</i>	hher67	SRR10761193			
<i>H. h. vereatta</i>	hher68	SRR10761192			
<i>H. h. vereatta</i>	hher69	SRR10761191			
<i>H. h. vereatta</i>	hher70	SRR10761190			
<i>H. h. vereatta</i>	hher71	SRR10761189			
<i>H. h. vereatta</i>	hher72	SRR10761187			
<i>H. h. sheppardi</i>	hher39	SRR10761168	Presidentsente Figueiredo, AM	-1°59'7.5" S; -60°3'12.12" W	P. Figueiredo
<i>H. h. sheppardi</i>	hher40	SRR10761167			
<i>H. h. sheppardi</i>	hher41	SRR10761166			
<i>H. h. sheppardi</i>	hher42	SRR10761165			
<i>H. h. sheppardi</i>	hher43	SRR10761164			
<i>H. h. sheppardi</i>	hher44	SRR10761162			
<i>H. h. sheppardi</i>	hher45	SRR10761162			
<i>H. h. sheppardi</i>	hher46	SRR10761161			
<i>H. h. sheppardi</i>	hher47	SRR10761161			
<i>H. h. sheppardi</i>	hher48	SRR10761158			
<i>H. h. sheppardi</i>	hher49	SRR10761157			
<i>H. h. sheppardi</i>	hher50	SRR10761156			
<i>H. h. sheppardi</i>	hher51	SRR10761155			
<i>H. h. sheppardi</i>	hher52	SRR10761154			
<i>H. h. sheppardi</i>	hher53	SRR10761153			
<i>H. h. sheppardi</i>	hher54	SRR10761151			
<i>H. h. curua</i>	hher73	SRR10761186	Salto Curua, PA	-8°43'52.46" S; -54°58'7.28" W	Curuá
<i>H. h. curua</i>	hher74	SRR10761185			
<i>H. h. curua</i>	hher75	SRR10761184			
<i>H. h. barcelos</i>	hher76	SRR10761183	Barcelos, AM	-0°59'29.87" S; -62°55'31.28" W	Barcelos
<i>H. h. barcelos</i>	hher77	SRR10761182			
<i>H. h. barcelos</i>	hher78	SRR10761181			
<i>H. h. hermathena</i>	hher79	SRR10761180	Maués, AM	-3°22'36.55" S; -57°43'17.18" W	Maués
<i>H. h. hermathena</i>	hher80	SRR10761179			
<i>H. h. hermathena</i>	hher81	SRR10761178			
<i>H. h. hermathena</i>	hher82	SRR10761176			