

SUPPLEMENTARY MATERIAL

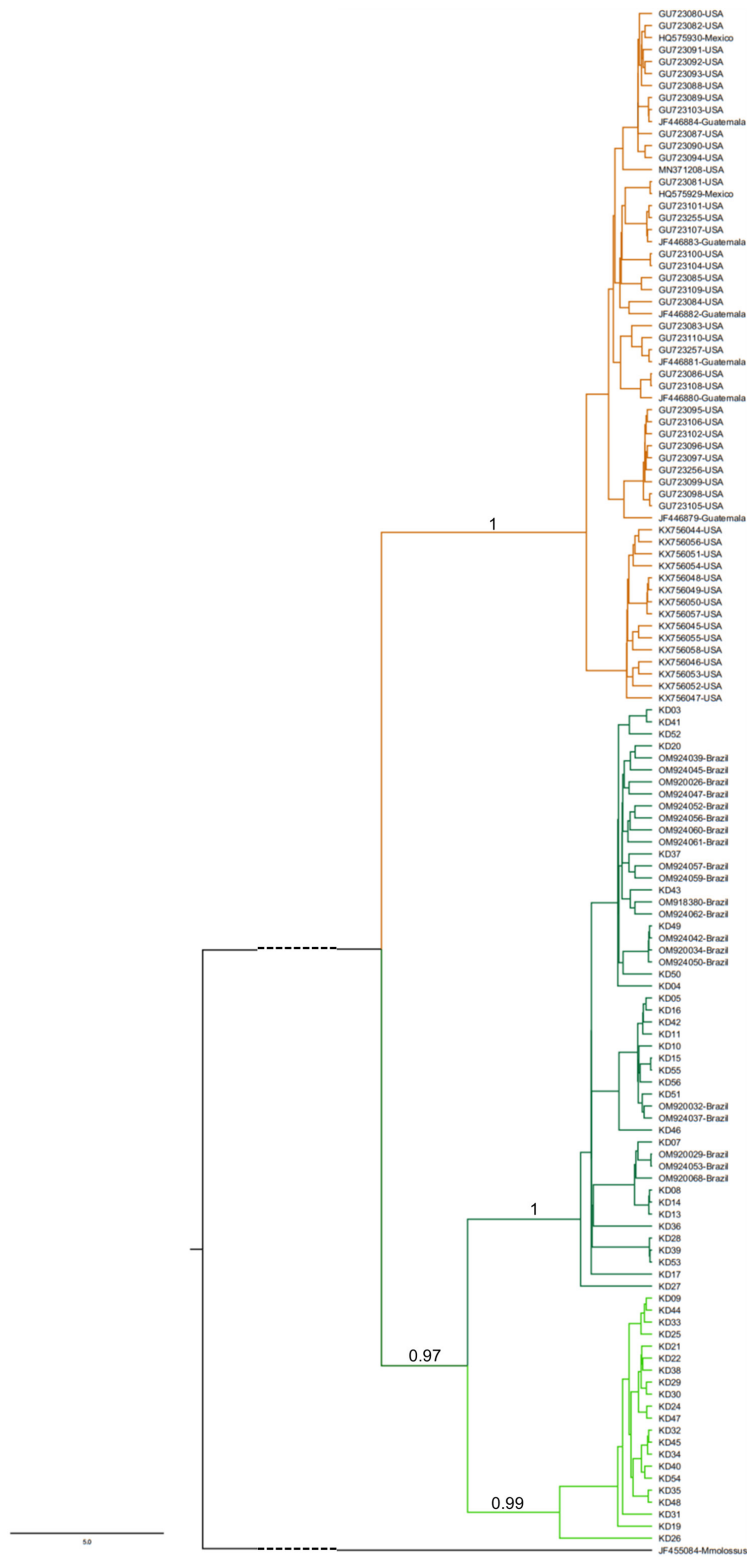


Figure S1. Bayesian phylogenetic tree for COI sequences belonging to *Tadarida brasiliensis*. Numbers at the nodes represent the posterior probability estimates for the main clade.

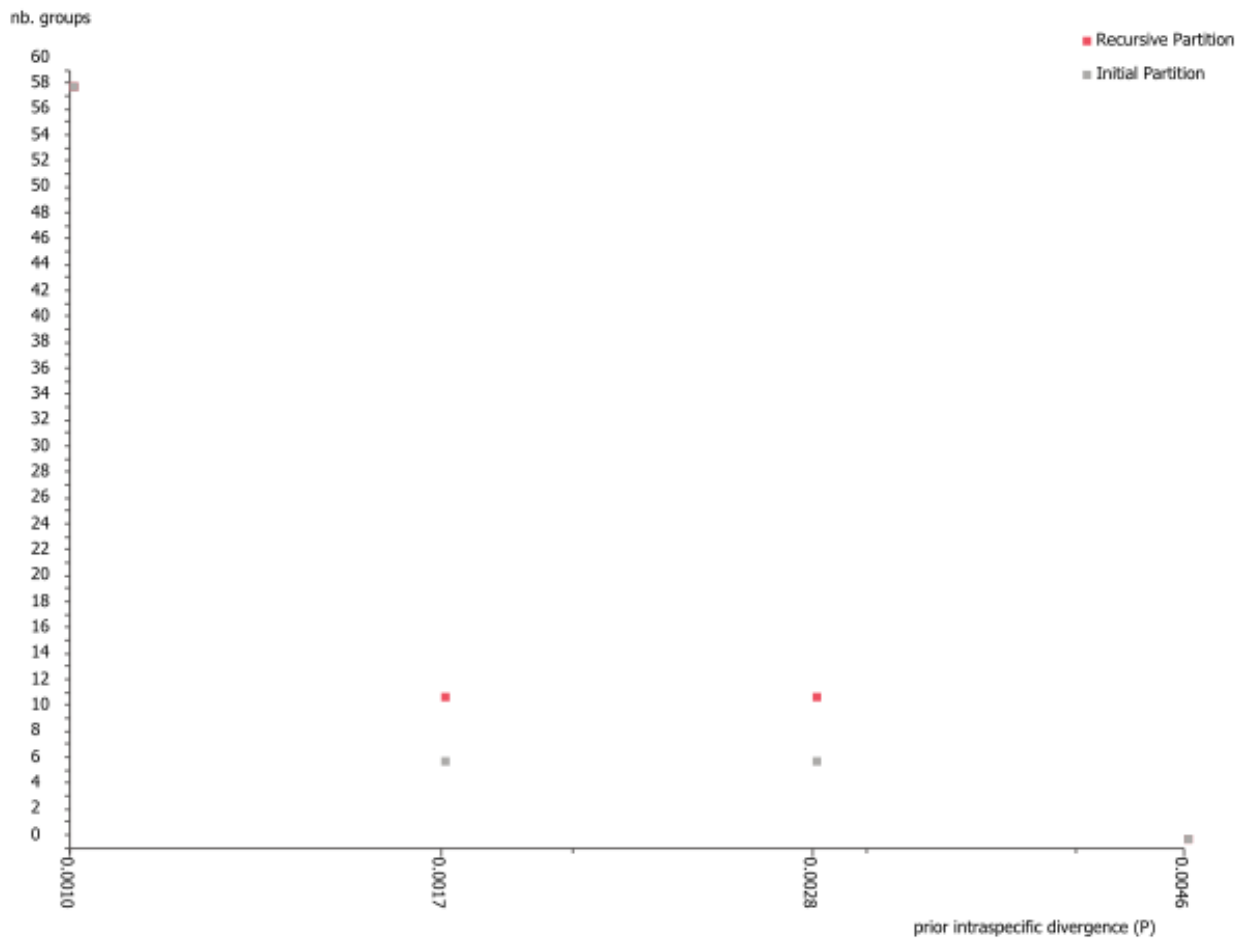


Figure S2. ABGD results for *Tadarida brasiliensis* COI sequences with MinSlope=1.0.

Partition 1: 59 / 59 groups with / out recursion
for P= 0.001000

Minimum slope = 1.0 - Jukes Cantor distance

Group[0] n: 1 ;id: KD03

Group[1] n: 1 ;id: KD04

Group[2] n: 10 ;id: KD05 KD10 KD11 KD15 KD16 KD51
KD55 KD56 OM924037-Brazil OM920032-Brazil

Group[3] n: 5 ;id: KD07 KD08 KD13 KD14
OM920068-Brazil

Group[4] n: 3 ;id: KD09 KD33 KD44

Group[5] n: 1 ;id: KD17

Group[6] n: 1 ;id: KD19

Group[7] n: 13 ;id: KD20 KD43 OM924062-
Brazil OM924059-Brazil OM924061-Brazil
OM924060-Brazil OM924047-Brazil OM924057-
Brazil OM924056-Brazil OM924052-Brazil

OM924045-Brazil OM924039-Brazil
OM918380-Brazil

Group[8] n: 3 ;id: KD21 KD29 KD30

Group[9] n: 1 ;id: KD22

Group[10] n: 1 ;id: KD24

Group[11] n: 1 ;id: KD25

Group[12] n: 1 ;id: KD26

Group[13] n: 1 ;id: KD27

Group[14] n: 3 ;id: KD28 KD39 KD53

Group[15] n: 1 ;id: KD31

Group[16] n: 3 ;id: KD32 KD34 KD45

Group[17] n: 1 ;id: KD35

Group[18] n: 1 ;id: KD36 Group[19] n: 1 ;id: KD37

Group[20] n: 1 ;id: KD38

Group[21] n: 1 ;id: KD40

Group[22] n: 1 ;id: KD41

Group[23] n: 1 ;id: KD42
 Group[24] n: 1 ;id: KD46
 Group[25] n: 1 ;id: KD47
 Group[26] n: 1 ;id: KD48
 Group[27] n: 4 ;id: KD49 OM924050-Brazil
 OM924042-Brazil OM920034-Brazil
 Group[28] n: 1 ;id: KD50
 Group[29] n: 1 ;id: KD52
 Group[30] n: 1 ;id: KD54
 Group[31] n: 2 ;id: JF446881-Guatemala
 GU723257-USA
 Group[32] n: 2 ;id: JF446884-Guatemala
 GU723089-USA
 Group[33] n: 1 ;id: JF446883-Guatemala
 Group[34] n: 1 ;id: JF446879-Guatemala
 Group[35] n: 1 ;id: JF446880-Guatemala
 Group[36] n: 1 ;id: JF446882-Guatemala
 Group[37] n: 4 ;id: KX756050-USA KX756048-USA
 KX756049-USA KX756057-USA
 Group[38] n: 8 ;id: KX756044-USA KX756045-
 USA KX756046-USA KX756053-USA KX756054-USA
 KX756051-USA KX756056-USA KX756055-USA
 Group[39] n: 1 ;id: KX756058-USA
 Group[40] n: 1 ;id: KX756047-USA
 Group[41] n: 1 ;id: KX756052-USA
 Group[42] n: 7 ;id: GU723256-USA GU723106-USA
 GU723102-USA GU723099-USA GU723097-USA
 GU723096-USA GU723095-USA
 Group[43] n: 3 ;id: GU723255-USA GU723107-USA
 GU723101-USA
 Group[44] n: 2 ;id: GU723109-USA GU723085-USA
 Group[45] n: 1 ;id: GU723110-USA
 Group[46] n: 2 ;id: GU723108-USA GU723086-USA
 Group[47] n: 2 ;id: GU723104-USA GU723100-USA
 Group[48] n: 1 ;id: GU723105-USA
 Group[49] n: 1 ;id: GU723103-USA
 Group[50] n: 1 ;id: GU723098-USA
 Group[51] n: 9 ;id: GU723094-USA GU723092-USA
 GU723091-USA GU723090-USA GU723088-USA
 GU723087-USA GU723093-USA GU723082-USA
 HQ575930-Mexico
 Group[52] n: 1 ;id: GU723084-USA

Group[53] n: 1 ;id: GU723083-USA
 Group[54] n: 2 ;id: GU723081-USA HQ575929-Mexico
 Group[55] n: 1 ;id: GU723080-USA
 Group[56] n: 1 ;id: MN371208-USA
 Group[57] n: 2 ;id: OM924053-Brazil
 OM920029-Brazil
 Group[58] n: 1 ;id: OM920026-Brazil

Partition 2: 12 / 7 groups with / out recursion for
 P= 0.001668

Minimum slope = 1.0 - Jukes Cantor distance

Group[0] n: 46 ;id: KD03 KD04 KD05 KD07 KD08
 KD10 KD11 KD13 KD14 KD15 KD16 KD20 KD28
 KD37 KD39 KD41 KD42 KD43 KD46 KD49 KD50
 KD51 KD52 KD53 KD55 KD56 OM924062-Brazil
 OM924059-Brazil OM924053-Brazil OM924061-
 Brazil OM924060-Brazil OM924047-Brazil
 OM924057-Brazil OM924056-Brazil OM924050-
 Brazil OM924052-Brazil OM924045-Brazil
 OM924042-Brazil OM924039-Brazil OM924037-
 Brazil OM920068-Brazil OM920034-Brazil
 OM920032-Brazil OM920029-Brazil OM920026-
 Brazil OM918380-Brazil
 Group[1] n: 20 ;id: KD09 KD19 KD21 KD22 KD24
 KD25 KD29 KD30 KD31 KD32 KD33 KD34 KD35 KD38
 KD40 KD44 KD45 KD47 KD48 KD54
 Group[2] n: 1 ;id: KD26
 Group[3] n: 1 ;id: KD27
 Group[4] n: 1 ;id: KD36
 Group[5] n: 43 ;id: JF446881-Guatemala
 JF446884-Guatemala JF446883- Guatemala
 JF446879-Guatemala JF446880-Guatemala
 JF446882-Guatemala GU723257-USA GU723256-
 USA GU723255-USA GU723109-USA GU723110-USA
 GU723108-USA GU723107-USA GU723106-USA
 GU723104-USA GU723105-USA GU723103-USA
 GU723102-USA GU723101-USA GU723100-USA
 GU723099-USA GU723097-USA GU723096-USA
 GU723095-USA GU723098-USA GU723094-USA
 GU723092-USA GU723091-USA GU723090-USA
 GU723089-USA GU723088-USA GU723087-USA
 GU723093-USA GU723085-USA GU723084-USA

GU723083-USA GU723082-USA GU723081-USA
 GU723080-USA GU723086-USA MN371208-USA
 HQ575930-Mexico HQ575929-Mexico
 Group[6] n: 4 ;id: KX756050-USA KX756048-USA
 KX756049-USA KX756057-USA
 Group[7] n: 1 ;id: KD17
 Group[8] n: 8 ;id: KX756044-USA KX756045-USA
 KX756046-USA KX756053-USA KX756054-USA
 KX756051-USA KX756056-USA KX756055-USA
 Group[9] n: 1 ;id: KX756058-USA
 Group[10] n: 1 ;id: KX756047-USA
 Group[11] n: 1 ;id: KX756052-USA

Partition 3 : 12 / 7 groups with / out recursion for
 P= 0.002783

Minimum slope = 1.0 - Jukes Cantor distance
 Group[0] n: 46 ;id: KD03 KD04 KD05 KD07 KD08
 KD10 KD11 KD13 KD14 KD15 KD16 KD20 KD28
 KD37 KD39 KD41 KD42 KD43 KD46 KD49 KD50
 KD51 KD52 KD53 KD55 KD56 OM924062-Brazil
 OM924059-Brazil OM924053-Brazil OM924061-
 Brazil OM924060-Brazil OM924047-Brazil
 OM924057-Brazil OM924056-Brazil OM924050-
 Brazil OM924052-Brazil OM924045-Brazil
 OM924042-Brazil OM924039-Brazil OM924037-
 Brazil OM920068-Brazil OM920034-Brazil
 OM920032-Brazil OM920029-Brazil OM920026-
 Brazil OM918380-Brazil
 Group[1] n: 20 ;id: KD09 KD19 KD21 KD22 KD24
 KD25 KD29 KD30 KD31 KD32 KD33 KD34 KD35 KD38
 KD40 KD44 KD45 KD47 KD48 KD54
 Group[2] n: 1 ;id: KD26
 Group[3] n: 1 ;id: KD27
 Group[4] n: 1 ;id: KD36
 Group[5] n: 43 ;id: JF446881-Guatemala
 JF446884-Guatemala JF446883-Guatemala
 JF446879-Guatemala JF446880-Guatemala
 JF446882-Guatemala GU723257-USA GU723256-
 USA GU723255-USA GU723109-USA GU723110-USA
 GU723108-USA GU723107-USA GU723106-USA
 GU723104-USA GU723105-USA GU723103-USA
 GU723102-USA GU723101-USA GU723100-USA

GU723099-USA GU723097-USA GU723096-USA
 GU723095-USA GU723098-USA GU723094-USA
 GU723092-USA GU723091-USA GU723090-USA
 GU723089-USA GU723088-USA GU723087-USA
 GU723093-USA GU723085-USA GU723084-USA
 GU723083-USA GU723082-USA GU723081-USA
 GU723080-USA GU723086-USA MN371208-USA
 HQ575930-Mexico HQ575929-Mexico
 Group[6] n: 4 ;id: KX756050-USA KX756048-USA
 KX756049-USA KX756057-USA
 Group[7] n: 1 ;id: KD17
 Group[8] n: 8 ;id: KX756044-USA KX756045-USA
 KX756046-USA KX756053-USA KX756054-USA
 KX756051-USA KX756056-USA KX756055-USA
 Group[9] n: 1 ;id: KX756058-USA
 Group[10] n: 1 ;id: KX756047-USA
 Group[11] n: 1 ;id: KX756052-USA

Partition 4: 1 / 1 groups with / out recursion for
 P= 0.004642

Minimum slope = 1.0 - Jukes Cantor distance
 Group[0] n: 128 ;id: KD03 KD04 KD05 KD07 KD08
 KD09 KD10 KD11 KD13 KD14 KD15 KD16 KD17 KD19
 KD20 KD21 KD22 KD24 KD25 KD26 KD27 KD28 KD29
 KD30 KD31 KD32 KD33 KD34 KD35 KD36 KD37 KD38
 KD39 KD40 KD41 KD42 KD43 KD44 KD45 KD46
 KD47 KD48 KD49 KD50 KD51 KD52 KD53 KD54 KD55
 KD56 JF446881-Guatemala JF446884-Guatemala
 JF446883-Guatemala JF446879-Guatemala
 JF446880-Guatemala JF446882-Guatemala
 KX756050-USA KX756044-USA KX756045-USA
 KX756046-USA KX756048-USA KX756049-USA
 KX756053-USA KX756054-USA KX756057-USA
 KX756058-USA KX756047-USA GU723257-USA
 KX756051-USA KX756052-USA KX756056-USA
 KX756055-USA GU723256-USA GU723255-USA
 GU723109-USA GU723110-USA GU723108-USA
 GU723107-USA GU723106-USA GU723104-USA
 GU723105-USA GU723103-USA GU723102-USA
 GU723101-USA GU723100-USA GU723099-USA
 GU723097-USA GU723096-USA GU723095-USA
 GU723098-USA GU723094-USA GU723092-USA

GU723091-USA GU723090-USA GU723089-USA
GU723088-USA GU723087-USA GU723093-USA
GU723085-USA GU723084-USA GU723083-USA
GU723082-USA GU723081-USA GU723080-USA
GU723086-USA MN371208-USA HQ575930-Mexico
HQ575929-Mexico OM924062-Brazil OM924059-
Brazil OM924053-Brazil OM924061-Brazil
OM924060-Brazil OM924047-Brazil OM924057-
Brazil OM924056-Brazil OM924050-Brazil
OM924052-Brazil OM924045-Brazil OM924042-
Brazil OM924039-Brazil OM924037-Brazil
OM920068-Brazil OM920034-Brazil OM920032-
Brazil OM920029-Brazil OM920026-Brazil
OM918380-Brazil

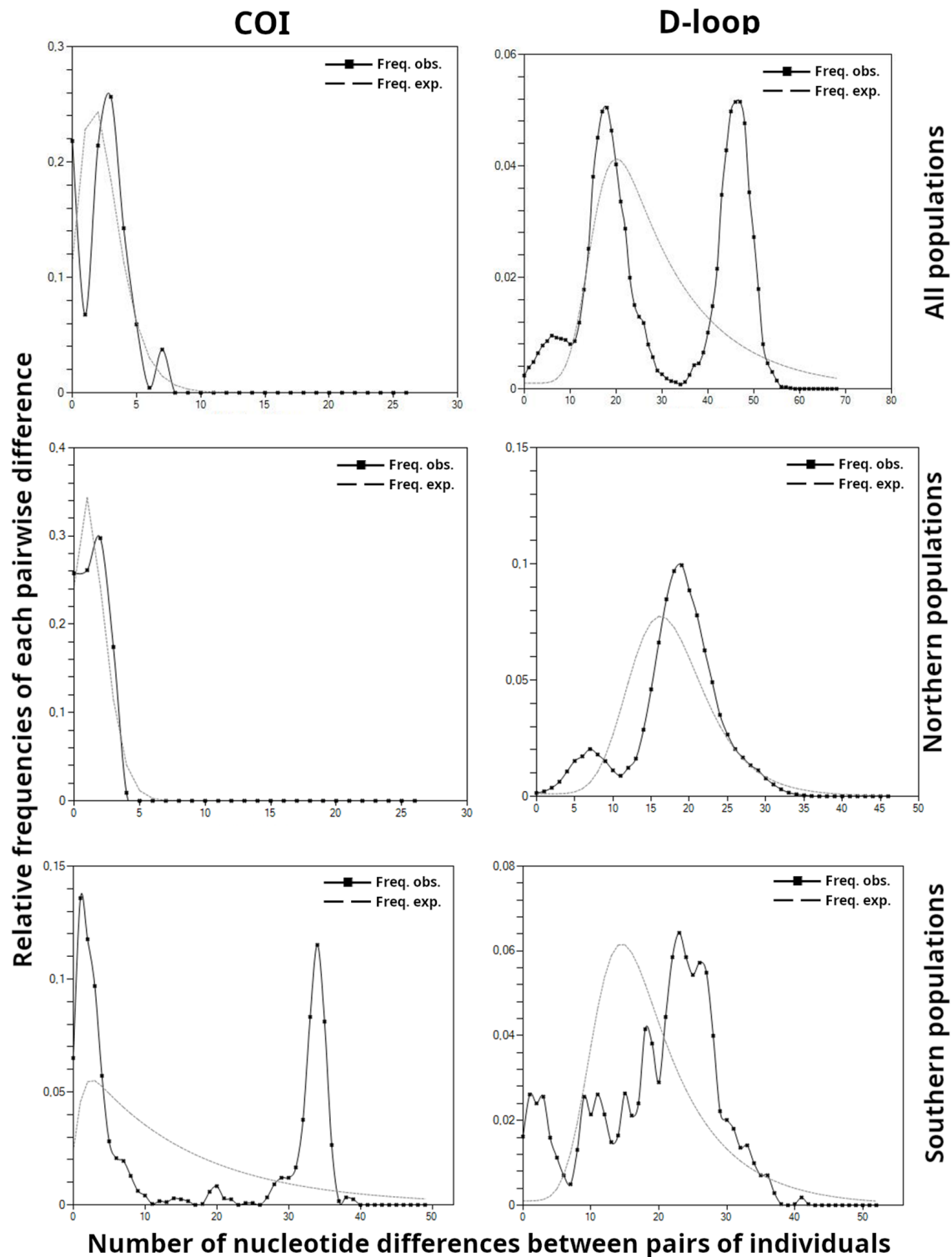


Figure S3. Mismatch Distribution of *Tadarida brasiliensis* based on COI and D-loop sequences. The horizontal axis depicts the number of nucleotide differences between pairs of individuals, and the vertical axis represents the relative frequencies of each pairwise difference. The solid and dotted lines describe the expected and observed mismatch distributions, respectively, according to a recent population expansion event hypothesis.

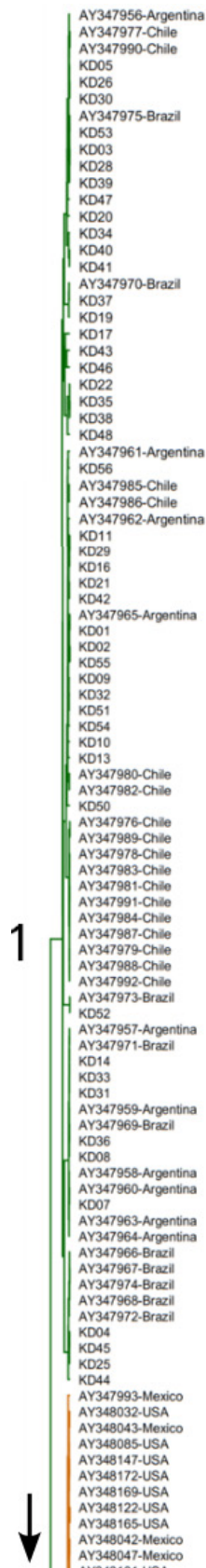


Figure S4. Bayesian phylogenetic tree for D-loop sequences belonging to *Tadarida brasiliensis*. Numbers at the nodes represent the posterior probability estimates for the main clades.

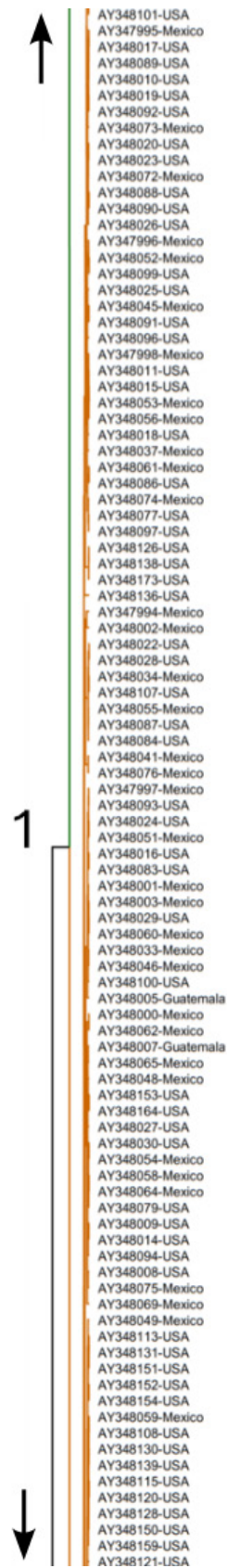


Figure S4: continuation.

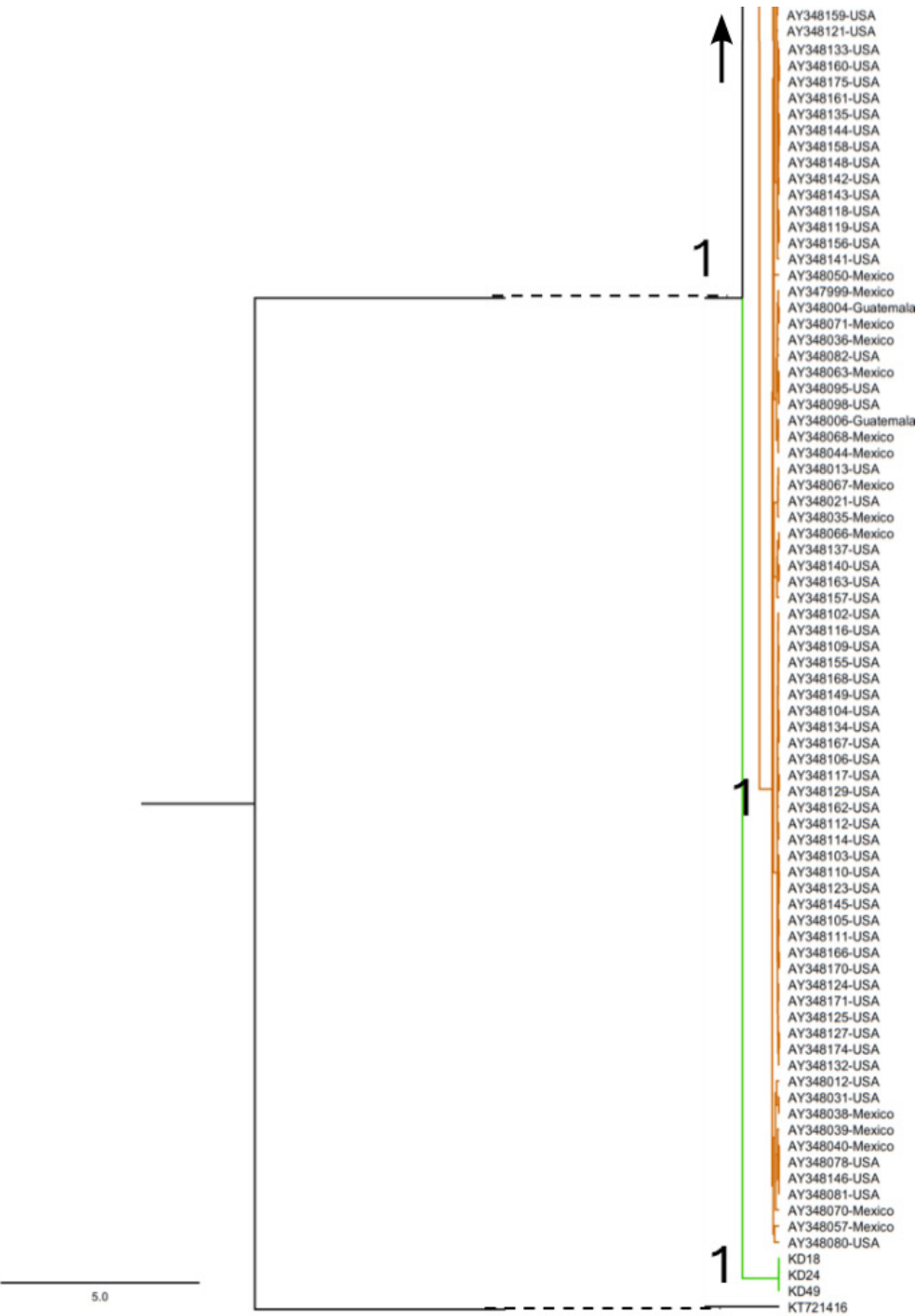


Figure S4: continuation.

Table SI. Supplementary Table SI: COI and D-loop sequences for *Tadarida brasiliensis* from Capão do Leão, Brazil. * Sequences with duplication (see main text).

Collection code	Collection date	Sex	GenBank accession numbers	
			COI	D-loop
KD01	November/2014	female	-	PP802915
KD02	November/2014	female	-	PP802916
KD 03	November/2014	female	PP806575	PP802917
KD 04	November/2014	female	PP806576	PP802918
KD 05	November/2014	female	PP806577	PP802919
KD 07	November/2014	male	PP806578	PP802920
KD 08	November/2014	male	PP806579	PP802921
KD 09	November/2014	male	PP806580	PP802922
KD 10	November/2014	male	PP806581	PP802923
KD 11	November/2014	male	PP806582	PP802924
KD 13	January/2015	female	PP806583	PP802925
KD 14	January/2015	female	PP806584	PP802926
KD 15	January/2015	female	PP806585	-
KD 16	January/2015	female	PP806586	PP802927
KD 17	January/2015	female	PP806587	PP802928
KD18	January/2016	female	-	PP802929 *
KD 19	January/2015	female	PP806588	PP802930
KD 20	January/2015	male	PP806589	PP802931
KD 21	January/2015	male	PP806590	PP802932
KD 22	January/2015	female	PP806591	PP802933
KD 24	January/2015	male	PP806592	PP802934 *
KD 25	January/2015	male	PP806593	PP802935
KD 26	January/2015	male	PP806594	PP802936
KD 27	January/2015	male	PP806595	-
KD 28	January/2015	male	PP806596	PP802937
KD 29	May/2015	female	PP806597	PP802938
KD 30	May/2015	female	PP806598	PP802939
KD 31	May/2015	female	PP806599	PP802940
KD 32	May/2015	female	PP806600	PP802941
KD 33	May/2015	female	PP806601	PP802942
KD 34	May/2015	female	PP806602	PP802943
KD 35	May/2015	female	PP806603	PP802944
KD 36	May/2015	female	PP806604	PP802945
KD 37	May/2015	male	PP806605	PP802946

Table S1. Continuation.

KD 38	May/2015	male	PP806606	PP802947
KD 39	May/2015	male	PP806607	PP802948
KD 40	May/2015	male	PP806608	PP802949
KD 41	May/2015	male	PP806609	PP802950
KD 42	May/2015	male	PP806610	PP802951
KD 43	May/2015	male	PP806611	PP802952
KD 44	May/2015	male	PP806612	PP802953
KD 45	August/2015	female	PP806613	PP802954
KD 46	August/2015	female	PP806614	PP802955
KD 47	August/2015	female	PP806615	PP802956
KD 48	August/2015	female	PP806616	PP802957
KD 49	August/2015	female	PP806617	PP802958 *
KD 50	August/2015	male	PP806618	PP802959
KD 51	August/2015	male	PP806619	PP802960
KD 52	August/2015	male	PP806620	PP802961
KD 53	August/2015	male	PP806621	PP802962
KD 54	August/2015	male	PP806622	PP802963
KD 55	August/2015	male	PP806623	PP802964
KD 56	August/2015	female	PP806624	PP802965

Table II. Accession numbers of retrieved sequences from GenBank used in this study. Symbols represent the locality of the collected specimens. Symbols: - absence of data. Argentina: all sequences from Rosario. Brazil: *Porto Alegre; †São Paulo. Chile: ζ Concepción; λ Santiago. Guatemala: ‡El Progreso; c El Rancho. Mexico: # Chiapas; § Hidalgo; ~ Michoacan; “ Nuevo Leon; ® Sinaloa. USA: % Arizona; & Arkansas; ! California; ** Colorado; @ Florida; a Georgia; † Luisiana; ∞ Mississippi; δ New Mexico; Ω North Carolina; ϐ Oregon; ∇ South Carolina; ~ Texas.

Country	COI			Dloop		
	GenBank	Latitude	Longitude	GenBank	Latitude	Longitude
Argentina	-			AY347956	-32.958528	-60.696642
Argentina	-			AY347957	-32.958528	-60.696642
Argentina	-			AY347958	-32.958528	-60.696642
Argentina	-			AY347959	-32.958528	-60.696642
Argentina	-			AY347960	-32.958528	-60.696642
Argentina	-			AY347961	-32.958528	-60.696642
Argentina	-			AY347962	-32.958528	-60.696642
Argentina	-			AY347963	-32.958528	-60.696642
Argentina	-			AY347964	-32.958528	-60.696642
Argentina	-			AY347965	-32.958528	-60.696642
Brazil	OM918380 †	-23.555772	-46.639556	AY347966 *	-30.035112	-51.217666
Brazil	OM920026 †	-23.555772	-46.639556	AY347967 *	-30.035112	-51.217666
Brazil	OM920029 †	-23.555772	-46.639556	AY347968 *	-30.035112	-51.217666
Brazil	OM920032 †	-23.555772	-46.639556	AY347969 *	-30.035112	-51.217666
Brazil	OM920034 †	-23.555772	-46.639556	AY347970 *	-30.035112	-51.217666
Brazil	OM920068 †	-23.555772	-46.639556	AY347971 *	-30.035112	-51.217666
Brazil	OM924037 †	-23.555772	-46.639556	AY347972 *	-30.035112	-51.217666
Brazil	OM924039 †	-23.555772	-46.639556	AY347973 *	-30.035112	-51.217666
Brazil	OM924042 †	-23.555772	-46.639556	AY347974 *	-30.035112	-51.217666
Brazil	OM924045 †	-23.555772	-46.639556	AY347975 *	-30.035112	-51.217666
Brazil	OM924047 †	-23.555772	-46.639556	-		
Brazil	OM924050 †	-23.555772	-46.639556	-		
Brazil	OM924052 †	-23.555772	-46.639556	-		
Brazil	OM924053 †	-23.555772	-46.639556	-		
Brazil	OM924056 †	-23.555772	-46.639556	-		
Brazil	OM924057 †	-23.555772	-46.639556	-		
Brazil	OM924059 †	-23.555772	-46.639556	-		
Brazil	OM924060 †	-23.555772	-46.639556	-		
Brazil	OM924061 †	-23.555772	-46.639556	-		
Brazil	OM924062 †	-23.555772	-46.639556	-		
Chile	-			AY347976 ζ	-36.8208	-73.052961
Chile	-			AY347977 ζ	-36.8208	-73.052961

Table SII. Continuation.

Chile	-			AY347978 ζ	-36.8208	-73.052961
Chile	-			AY347979 ζ	-36.8208	-73.052961
Chile	-			AY347980 ζ	-36.8208	-73.052961
Chile	-			AY347981 ζ	-36.8208	-73.052961
Chile	-			AY347982 ζ	-36.8208	-73.052961
Chile	-			AY347983	-36.8208	-73.052961
Chile	-			AY347984 ζ	-36.8208	-73.052961
Chile	-			AY347985 ζ	-36.8208	-73.052961
Chile	-			AY347986 λ	-33.448413	-70.661464
Chile	-			AY347987 λ	-33.448413	-70.661464
Chile	-			AY347988 λ	-33.448413	-70.661464
Chile	-			AY347989 λ	-33.448413	-70.661464
Chile	-			AY347990 λ	-33.448413	-70.661464
Chile	-			AY347991 λ	-33.448413	-70.661464
Chile	-			AY347992 λ	-33.448413	-70.661464
Guatemala	JF446879 ‡	14.9167	-91.1000	AY348004 c	14.910227	-90.031531
Guatemala	JF446880 ‡	14.9167	-91.1000	AY348005 c	14.910227	-90.031531
Guatemala	JF446881 ‡	14.9167	-91.1000	AY348006 c	14.910227	-90.031531
Guatemala	JF446882 ‡	14.9167	-91.1000	AY348007 c	14.910227	-90.031531
Guatemala	JF446883 ‡	14.9167	-91.1000	-		
Guatemala	JF446884 ‡	14.9167	-91.1000	-		
Mexico	HQ575929 –	no information		AY347993 #	16.098231	-92.045737
Mexico	HQ575930 –			AY347994 #	16.098231	-92.045737
Mexico	-			AY347995 #	16.098231	-92.045737
Mexico	-			AY347996 #	16.098231	-92.045737
Mexico	-			AY347997 #	16.098231	-92.045737
Mexico	-			AY347998 #	16.098231	-92.045737
Mexico	-			AY347999 #	16.098231	-92.045737
Mexico	-			AY348000 #	16.098231	-92.045737
Mexico	-			AY348001 #	16.098231	-92.045737
Mexico	-			AY348002 #	16.098231	-92.045737
Mexico	-			AY348003 #	16.098231	-92.045737
Mexico	-			AY348068 §	20.562044	-98.758701
Mexico	-			AY348069 §	20.562044	-98.758701
Mexico	-			AY348070 §	20.562044	-98.758701
Mexico	-			AY348071 §	20.562044	-98.758701
Mexico	-			AY348072 §	20.562044	-98.758701
Mexico	-			AY348073 §	20.562044	-98.758701

Table SII. Continuation.

Mexico	-			AY348074 §	20.562044	-98.758701
Mexico	-			AY348075 §	20.562044	-98.758701
Mexico	-			AY348076 §	20.562044	-98.758701
Mexico	-			AY348033 ¬	19.57384	-101.651931
Mexico	-			AY348034 ¬	19.57384	-101.651931
Mexico	-			AY348035 ¬	19.57384	-101.651931
Mexico	-			AY348036 ¬	19.57384	-101.651931
Mexico	-			AY348037 ¬	19.57384	-101.651931
Mexico	-			AY348038 ¬	19.57384	-101.651931
Mexico	-			AY348039 ¬	19.57384	-101.651931
Mexico	-			AY348040 ¬	19.57384	-101.651931
Mexico	-			AY348041 ¬	19.57384	-101.651931
Mexico	-			AY348042 ¬	19.57384	-101.651931
Mexico	-			AY348043 ¬	19.57384	-101.651931
Mexico	-			AY348056 “	25.433396	-100.114154
Mexico	-			AY348057 “	25.433396	-100.114154
Mexico	-			AY348058 “	25.433396	-100.114154
Mexico	-			AY348059 “	25.433396	-100.114154
Mexico	-			AY348060 “	25.433396	-100.114154
Mexico	-			AY348061 “	25.433396	-100.114154
Mexico	-			AY348062 “	25.433396	-100.114154
Mexico	-			AY348063 “	25.433396	-100.114154
Mexico	-			AY348064 “	25.433396	-100.114154
Mexico	-			AY348065 “	25.433396	-100.114154
Mexico	-			AY348066 “	25.433396	-100.114154
Mexico	-			AY348067 “	25.433396	-100.114154
Mexico	-			AY348044 ®	24.938822	-107.822752
Mexico	-			AY348045 ®	24.938822	-107.822752
Mexico	-			AY348046 ®	24.938822	-107.822752
Mexico	-			AY348047 ®	24.938822	-107.822752
Mexico	-			AY348048 ®	24.938822	-107.822752
Mexico	-			AY348049 ®	24.938822	-107.822752
Mexico	-			AY348050 ®	24.938822	-107.822752
Mexico	-			AY348051 ®	24.938822	-107.822752
Mexico	-			AY348052 ®	24.938822	-107.822752
Mexico	-			AY348053 ®	24.938822	-107.822752
Mexico	-			AY348054 ®	24.938822	-107.822752

Table SII. Continuation.

Mexico	-			AY348055 ®	24.938822	-107.822752
USA	GU723080 %	32.970521	-109.382423	AY348008 %	32.970521	-109.382423
USA	GU723081 %	32.970521	-109.382423	AY348009 %	32.970521	-109.382423
USA	GU723082 %	32.970521	-109.382423	AY348010 %	32.970521	-109.382423
USA	GU723083 %	32.970521	-109.382423	AY348011 %	32.970521	-109.382423
USA	GU723084 %	32.970521	-109.382423	AY348012 %	32.970521	-109.382423
USA	GU723085 %	32.970521	-109.382423	AY348013 %	32.970521	-109.382423
USA	GU723086 %	32.970521	-109.382423	AY348014 %	32.970521	-109.382423
USA	MN371208 %	32.970521	-109.382423	AY348015 %	32.970521	-109.382423
USA	-			AY348112 &	35.081091	-92.446889
USA	-			AY348113 &	35.081091	-92.446889
USA	-			AY348114 &	35.081091	-92.446889
USA	-			AY348115 &	35.081091	-92.446889
USA	-			AY348116 &	35.081091	-92.446889
USA	-			AY348117 &	35.081091	-92.446889
USA	-			AY348118 &	35.081091	-92.446889
USA	-			AY348119 &	35.081091	-92.446889
USA	-			AY348120 &	35.081091	-92.446889
USA	GU723087 !	41.738953	-121.511054	AY348016 !	41.738953	-121.511054
USA	GU723088 !	41.738953	-121.511054	AY348017 !	41.738953	-121.511054
USA	GU723089 !	41.738953	-121.511054	AY348018 !	41.738953	-121.511054
USA	GU723090 !	41.738953	-121.511054	AY348019 !	41.738953	-121.511054
USA	GU723091 !	41.738953	-121.511054	AY348020 !	41.738953	-121.511054
USA	GU723092 !	41.738953	-121.511054	AY348021 !	41.738953	-121.511054
USA	GU723093 !	41.738953	-121.511054	AY348022 !	41.738953	-121.511054
USA	GU723094 !	41.738953	-121.511054	AY348023 !	41.738953	-121.511054
USA	-			AY348024 !	41.738953	-121.511054
USA	-			AY348025 !	41.738953	-121.511054
USA	-			AY348026 !	41.738953	-121.511054
USA	-			AY348027 !	41.738953	-121.511054
USA	-			AY348028 !	41.738953	-121.511054
USA	-			AY348029 **	39.066589	-108.549992
USA	-			AY348030 **	39.066589	-108.549992
USA	-			AY348031 **	39.066589	-108.549992
USA	-			AY348032 **	39.066589	-108.549992
USA	GU723095 @	30.721964	-85.938078	AY348121 @	30.721964	-85.938078
USA	GU723096 @	30.721964	-85.938078	AY348122 @	30.721964	-85.938078

Table SII. Continuation.

USA	GU723097 @	30.721964	-85.938078	AY348123 @	30.721964	-85.938078
USA	GU723098 @	30.721964	-85.938078	AY348124 @	30.721964	-85.938078
USA	GU723099 @	30.721964	-85.938078	AY348125 @	30.721964	-85.938078
USA	GU723100 @	30.721964	-85.938078	AY348126 @	30.721964	-85.938078
USA	GU723101 @	30.721964	-85.938078	AY348127 @	30.721964	-85.938078
USA	-			AY348128 @	30.721964	-85.938078
USA	-			AY348129 @	30.721964	-85.938078
USA	-			AY348130 @	30.721964	-85.938078
USA	-			AY348131 @	30.721964	-85.938078
USA	-			AY348132 @	30.721964	-85.938078
USA	-			AY348133 @	30.721964	-85.938078
USA	-			AY348134 @	30.721964	-85.938078
USA	-			AY348135 @	30.721964	-85.938078
USA	-			AY348136 @	30.721964	-85.938078
USA	-			AY348137 @	30.721964	-85.938078
USA	-			AY348138 @	30.721964	-85.938078
USA	-			AY348139 @	30.721964	-85.938078
USA	-			AY348140 @	30.721964	-85.938078
USA	GU723102 a	33.748900	-84.390000	-		
USA	GU723103 a	33.748900	-84.390000	-		
USA	GU723104 a	33.748900	-84.390000	-		
USA	GU723105 a	33.748900	-84.390000	-		
USA	GU723106 a	33.748900	-84.390000	-		
USA	-			AY348141 †	30.451325	-91.185481
USA	-			AY348142 †	30.451325	-91.185481
USA	-			AY348143 †	30.451325	-91.185481
USA	-			AY348144 †	30.451325	-91.185481
USA	-			AY348145 †	30.451325	-91.185481
USA	-			AY348146 †	30.451325	-91.185481
USA	-			AY348147 †	30.451325	-91.185481
USA	-			AY348148 †	30.451325	-91.185481
USA	-			AY348149 †	30.451325	-91.185481
USA	-			AY348150 †	30.451325	-91.185481
USA	GU723107 ∞	32.298900	-90.184700	-		
USA	-			AY348077 ♂	32.175578	-104.376094
USA	-			AY348078 ♂	32.175578	-104.376094
USA	-			AY348079 ♂	32.175578	-104.376094

Table SII. Continuation.

USA	-			AY348080 ♂	32.175578	-104.376094
USA	-			AY348081 ♂	32.175578	-104.376094
USA	-			AY348082 ♂	32.175578	-104.376094
USA	-			AY348083 ♂	32.175578	-104.376094
USA	-			AY348084 ♂	32.175578	-104.376094
USA	-			AY348085 ♂	32.175578	-104.376094
USA	-			AY348086 ♂	32.175578	-104.376094
USA	-			AY348151 ♀	35.803218	-78.566076
USA	-			AY348152 ♀	35.803218	-78.566076
USA	-			AY348153 ♀	35.803218	-78.566076
USA	-			AY348154 ♀	35.803218	-78.566076
USA	-			AY348155 ♀	35.803218	-78.566076
USA	-			AY348156 ♀	35.803218	-78.566076
USA	-			AY348157 ♀	35.803218	-78.566076
USA	-			AY348158 ♀	35.803218	-78.566076
USA	-			AY348159 ♀	35.803218	-78.566076
USA	-			AY348160 ♀	35.803218	-78.566076
USA	-			AY348161 ♀	35.803218	-78.566076
USA	-			AY348162 ♀	35.803218	-78.566076
USA	-			AY348163 ♀	35.803218	-78.566076
USA	-			AY348164 ♀	35.803218	-78.566076
USA	-			AY348165 ♀	35.803218	-78.566076
USA	-			AY348166 ♀	35.803218	-78.566076
USA	-			AY348087 ♀	42.192424	-122.698495
USA	-			AY348088 ♀	42.192424	-122.698495
USA	-			AY348089 ♀	42.192424	-122.698495
USA	-			AY348090 ♀	42.192424	-122.698495
USA	-			AY348091 ♀	42.192424	-122.698495
USA	-			AY348167 ♀	34.000436	-81.03096
USA	-			AY348168 ♀	34.000436	-81.03096
USA	-			AY348169 ♀	34.000436	-81.03096
USA	-			AY348170 ♀	34.000436	-81.03096
USA	-			AY348171 ♀	34.000436	-81.03096
USA	-			AY348172 ♀	34.000436	-81.03096
USA	-			AY348173 ♀	34.000436	-81.03096
USA	-			AY348174 ♀	34.000436	-81.03096
USA	-			AY348175 ♀	34.000436	-81.03096

Table SII. Continuation.

USA	GU723108 ~	30.749148	-99.231816	AY348092 ~	30.749148	-99.231816
USA	GU723109 ~	30.749148	-99.231816	AY348093 ~	30.749148	-99.231816
USA	GU723110 ~	30.749148	-99.231816	AY348094 ~	30.749148	-99.231816
USA	-			AY348095 ~	30.749148	-99.231816
USA	-			AY348096 ~	30.749148	-99.231816
USA	-			AY348097 ~	30.749148	-99.231816
USA	-			AY348098 ~	30.749148	-99.231816
USA	-			AY348099 ~	30.749148	-99.231816
USA	-			AY348100 ~	30.749148	-99.231816
USA	-			AY348101 ~	30.749148	-99.231816
USA	-			AY348102 ~	30.749148	-99.231816
USA	-			AY348103 ~	30.749148	-99.231816
USA	-			AY348104 ~	30.749148	-99.231816
USA	-			AY348105 ~	30.749148	-99.231816
USA	-			AY348106 ~	30.749148	-99.231816
USA	-			AY348107 ~	30.749148	-99.231816
USA	-			AY348108 ~	30.749148	-99.231816
USA	-			AY348109 ~	30.749148	-99.231816
USA	-			AY348110 ~	30.749148	-99.231816
USA	-			AY348111 ~	30.749148	-99.231816
USA	GU723255 –	no information		-		
USA	GU723256 –			-		
USA	GU723257 –			-		
USA	KX756044 –			-		
USA	KX756045 –			-		
USA	KX756046 –			-		
USA	KX756047 –			-		
USA	KX756048 –			-		
USA	KX756049 –			-		
USA	KX756050 –			-		
USA	KX756051 –			-		
USA	KX756052 –			-		
USA	KX756053 –			-		
USA	KX756054 –			-		
USA	KX756055 –			-		
USA	KX756056 –			-		
USA	KX756057 –			-		
USA	KX756058 –			-		

Table III. Geographical coordinates. For sequences belonging to the same dataset and obtained from multiple locations within the same country, a single representative geographical coordinate for the country is shown.

Dataset	Location	Latitude	Longitude
COI	Capão do Leão	-31.8009	-52.4085
	Brazil	-23.5558	-46.6396
	Guatemala	14.9470	-90.7896
	Mexico	23.6345	-102.553
	USA	39.8283	-98.5795
Dloop	Capão do Leão	-31.8009	-52.4085
	Brazil	-30.0368	-51.2089
	Argentina	-32.9587	-60.6930
	Chile	-35.6751	-71.5429
	Guatemala	14.9470	-90.7896
	Mexico	23.6345	-102.552
	USA	39.8283	-98.5795