

Sex-dependent divergence in asymmetrical reproductive tract
morphology between two closely-related amphisbaenian species
(Squamata: Amphisbaenidae)

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Supplementary material

Table S1. Voucher specimens of *Amphisbaena anaemariae* and *Amphisbaena silvestrii* used in the present study. CEPB–PUC Goiás: Coleção Herpetológica da Pontifícia Universidade Católica de Goiás, CZUFMT-R: Coleção Zoológica of Universidade Federal do Mato Grosso.

Voucher number	Species	Museum
CEPB1870	<i>A. anaemariae</i>	CEPB–PUC Goiás
CEPB1859	<i>A. anaemariae</i>	CEPB–PUC Goiás
CEPB1689	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV03052	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV26312	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV1609D	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV20089	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV28406	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV27710	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV19893	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV27733	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV29046	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV26311	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV24494	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV24493	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV24857	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV029632	<i>A. anaemariae</i>	CEPB–PUC Goiás
CCIV029689	<i>A. anaemariae</i>	CEPB–PUC Goiás
COIV030053	<i>A. anaemariae</i>	CEPB–PUC Goiás
COIV29936	<i>A. anaemariae</i>	CEPB–PUC Goiás
UFMG-4008	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4413	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4623	<i>A. silvestrii</i>	CZUFMT-R

UFMG-4455	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4418	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4483	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4408	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4847	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4558	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4454	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4519	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4603	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4465	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4522	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4491	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4617	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4482	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4469	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4607	<i>A. silvestrii</i>	CZUFMT-R
UFMG-4435	<i>A. silvestrii</i>	CZUFMT-R

Table S2. List of Spearman correlation coefficients of snout-vent length (SVL) and body diameter (BD) with each variable studied for right (r) and left (l) sides of the body in females and males of *Amphisbaena anaemariae* and *A. silvestrii*. GCL = gonad-cloaca length, GS = gonad size, OdL = oviduct length, VDL = vas deferens length, IntCL= internal cloaca length, GD = gonad diameter, KIntCL = superposition of kidney and internal cloaca, K = kidney size, NO = number of oocytes, * = Values lower than 0.01.

	FEMALES				MALES			
	<i>Correlation to SVL</i>		<i>Correlation to BD</i>		<i>Correlation to SVL</i>		<i>Correlation to BD</i>	
	<i>r_s</i>	<i>P</i>	<i>r_s</i>	<i>P</i>	<i>r_s</i>	<i>P</i>	<i>r_s</i>	<i>P</i>
GCL(r)	0.23	0.31	0.37	0.10	0.50	0.02	0.64	0.01*
GCL(l)	0.34	0.13	0.50	0.02	0.50	0.02	0.65	0.01*
GS(r)	0.02	0.90	0.44	0.04	0.43	0.05	0.25	0.28
GS(l)	0.02	0.93	0.33	0.14	0.53	0.01	0.44	0.04
OdL(r)	0.18	0.42	0.30	0.19	-	-	-	-
OdL(l)	0.30	0.19	0.28	0.21	-	-	-	-
VDL(r)	-	-	-	-	0.48	0.02	0.49	0.02
VDL(l)	-	-	-	-	0.61	0.01*	0.83	0.01*
IntCL(r)	0.26	0.25	-0.12	0.59	0.03	0.89	-0.01	0.95
IntCL(l)	0.13	0.58	-0.09	0.69	0.34	0.13	0.35	0.11
GD(r)	0.10	0.66	0.12	0.61	0.41	0.06	0.28	0.22
GD(l)	-0.04	0.85	0.21	0.35	0.63	0.01*	0.48	0.03
KIntCL(r)	-0.01	0.94	-0.22	0.33	-0.27	0.24	-0.10	0.65
KIntCL(l)	-0.18	0.42	-0.39	0.08	0.20	0.38	0.39	0.08
K(r)	0.12	0.58	0.33	0.14	0.49	0.02	0.66	0.01*
K(l)	0.25	0.27	0.47	0.03	0.32	0.15	0.53	0.01
NO(r)	0.07	0.75	0.57	0.01*	-	-	-	-
NO(l)	0.33	0.14	0.46	0.03	-	-	-	-

Table S3. Paired Student's t-test of significance between left and right sides of the body for each variable analysed in females and males of *Amphisbaena anaemariae* and *A. silvestrii*. GCL = gonad-cloaca length, GS = gonad size, OdL= oviduct length, VDL = vas deferens length, IntCL = internal cloaca length, GD = gonad diameter, KIntCL= superposition of kidney and internal cloaca, K = kidney size, NO = number of oocytes, * = Values lower than 0.01.

	FEMALE		MALE	
	<i>t</i>	<i>P</i>	<i>t</i>	<i>P</i>
GCL	7.65	0.01*	17.23	0.01*
GS	2.96	0.01*	-14.14	0.01*
OdL	6.10	0.01*	-	-
VDL	-	-	13.80	0.01*
IntCL	1.74	0.16	-21.82	0.01*
GD	-0.33	0.73	-0.63	0.53
KIntCL	0.24	0.81	-1.48	0.15
K	3.22	0.01*	21.39	0.01*
NO	2.03	0.05	-	-