

Reproductive biology of the Sword Snake *Tomodon dorsatus* (Serpentes: Dipsadidae) in South Brazil: comparisons within the tribe Tachymenini

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Supplementary material

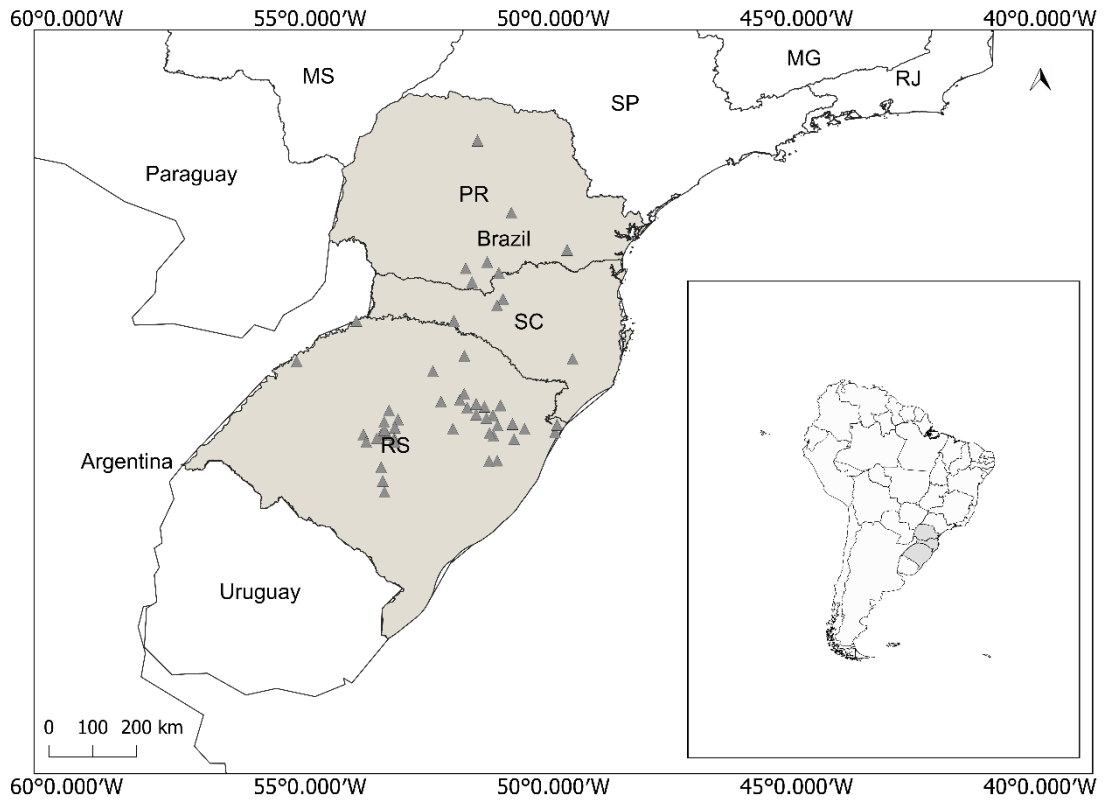


Figure S1. Map of the south region of Brazil (Rio Grande do Sul, Paraná, and Santa Catarina States; gray area) showing the sampling localities of the distribution of *Tomodon dorsatus* (triangles).

Table S1. Stages of the spermatogenic cycle of *Tomodon dorsatus* in South Brazil.

Stages	Months of occurrence
I) Complete regression	May
II) Early recrudescence: division of spermatogonia and primary spermatocytes	June–July
III) Late recrudescence: primary spermatocytes and spermatids	July– September
IV) Early spermiogenesis: spermatids in metamorphosis	October–January
V) Spermiogenesis: mature spermatozoa in the lumen	November– March
VI) Early regression: decrease of the seminiferous epithelium	April– May

Adapted from Goldberg and Parker, 1975.

Table S2. Stages of the SSK cycle of *Tomodon dorsatus* in South Brazil.

Stages	Months of occurrence
0) SSK not hypertrophied	February–April
1) SSK hypertrophied with a few granules	May–June
2) SSK cytoplasm full of secretory granules	July–September
3) SSK secretory granules apically in the cytoplasm	September–October
4) Maximum density of SSK secretory granules	November–January

Adapted from Krohmer, Martinez and Mason, 2004.

Table S3. Stages of the annual reproductive cycle of males *Tomodon dorsatus* in South Brazil.

	Summer	Autumn	Winter	Spring
Testes hypertrophy (volume)	Shaded			Shaded
GSI increase	Shaded			Shaded
Spermatogenesis				Shaded
Spermiogenesis	Shaded			Shaded
Seminiferous tubule hypertrophy	Shaded			Shaded
Leydig cell activity	Shaded			Shaded
SSK hypertrophy			Shaded	Shaded
SSK secretory peak			Shaded	Shaded
Testicular regression		Shaded		
Secondary vitellogenesis peak				Shaded
GSI increase				Shaded
Ovulation				Shaded
Mating				Shaded
UVJ sperm storage		Shaded	Shaded	Shaded
Pregnancy	Shaded	Shaded	Shaded	Shaded
Neonates	Shaded	Shaded	Shaded	Shaded

GSI, gonadosomatic index; SSK, sexual segment of the kidney; UVJ, utero-vaginal junction.

Shades area correspond to the season of activity.