

Reproductive seasonality and partial semelparity in a population of *Gracilinanus agilis* in the Brazilian Caatinga

Mammalian Biology

Viviane Morlanes^{a,b}, Simone Santoro^{c,d}, Carlos Rouco^e, Cecilia Calabuig^{*f}

^a Postgraduate Program in Animal Science, Federal Rural University of the Semi-Arid Region (UFERSA), Mossoró, RN 59625-900, Brazil.

^b Institute of Postgraduate Studies in Natural Resources and Sustainable Management, University of Córdoba, Spain

^c Department of Integrated Sciences, Faculty of Experimental Sciences, University of Huelva, Huelva, Spain

^d Department of Natural Sciences and Environmental Health, University of South-Eastern Norway, Bø, Norway.

^e Departamento Biología Vegetal y Ecología, Área de Ecología, Universidad de Sevilla, Sevilla, Spain.

^f Laboratory of Ecology and Wildlife Conservation, Center for Biological and Health Sciences, Federal Rural University of the Semi-Arid Region (UFERSA), Mossoró, Brazil.

*Corresponding author: Cecilia Calabuig – cecicalabuig@ufersa.edu.br

ESM 2 Model selection on the transition (ψ) probability, holding apparent survival at its most parameterised structure. Notation as in Table 1; the most supported model in bold.

Model	Structure	np	Deviance	AICc	Δ AICc
R3	.	44	672.52	777.30	0.00

R1	sex	45	671.52	779.13	1.84
R2	t	69	635.26	819.05	41.75
R-GLOBAL	sex + t	70	632.63	819.96	42.66
