

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

Mammalian Biology

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

Model	Structure	np	Deviance	AICc	$\Delta AICc$
AS7	br	33	680.17	755.25	0.00
AS9	.	32	683.43	755.94	0.69
AS5	sex + br	34	679.60	757.28	2.03
AS6	sex	33	683.21	758.30	3.05

AS1	$\text{sex} \times \text{br}$	35	679.49	759.78	4.53
AS8	t	67	636.14	812.92	57.67
AS3	$\text{br} + \text{t}$	68	633.56	813.82	58.57
AS4	$\text{sex} + \text{t}$	68	635.48	815.74	60.49
AS2	$\text{sex} + \text{br} + \text{t}$	69	632.72	816.50	61.25
AS-GLOBAL	$\text{sex} \times \text{br} + \text{t}$	70	632.63	819.96	64.71
