

Nagy-Reis, M.B.; Nichols, J.D.; Chiarello, A.G.; Ribeiro, M.C.; Setz, E.Z.F. Landscape Use and Co-occurrence Patterns of Neotropical Spotted Cats - Supporting Information

S3 Table. Multi-season single-species occupancy models used to evaluate the effect of time (“campaign”) on the habitat use of sympatric Neotropical spotted cats at a large Atlantic Forest remnant in Brazil.

Model	AICc	ΔAIC	w_i	K	-2LL
Ocelot					
$\psi(.)$ gamma(0) eps(0) $p(\text{general})$	163.37	0	0.97	10	136.9
$\psi(.)$ gamma(.) eps(.) $p(\text{general})$	170.48	7.11	0.03	12	136.73
Margay					
$\psi(.)$ gamma(0) eps(0) $p(\text{general})$	205.03	0	0.92	8	185.03
$\psi(.)$ gamma(.) eps(.) $p(\text{general})$	210.01	4.98	0.08	10	183.54
Oncilla					
$\psi(.)$ gamma(0) eps(0) $p(\text{general})$	256.02	0	0.97	9	232.88
$\psi(.)$ gamma(.) eps(.) $p(\text{general})$	262.87	6.85	0.03	11	232.87

$p(\text{general})$ = campaign + method + soil coverage + percentage of high-quality forest cover at 500 m buffer size; “gamma” = colonization; “eps” = extinction; “.” = no covariate included; “0” = parameter was fixed to 0.