

Appendix 1. Candidate independent predictor variables for models of nest occurrence in 2004. Variables highlighted in bold were selected for further multivariable logistic regression based on significance of univariable likelihood ratio tests and ecological interest. Note the high variance inflation factors (VIF) for landscape variables. Variable codes and descriptions in Table 1.

		Candidate variables			Collinearity Statistics		
	Index		-2LL	df	Sig.	Tolerance	VIF
Nest-site variables (w/in 5m)	1	SC513	0.06	1	0.80	0.32	3.15
	2	SC133	0.97	1	0.32	0.24	4.20
	3	SC310	0.40	1	0.53	0.38	2.60
	4	BA	0.18	1	0.67	0.17	5.92
	5	CG	1.35	1	0.25	0.28	3.62
	6	CH	0.02	1	0.88	0.24	4.14
	7	sS	5.51	1	0.02	0.43	2.34
	8	IS	4.97	1	0.03	0.20	4.90
	9	ST	0.12	1	0.73	0.30	3.33
	10	LT	3.44	1	0.06	0.33	3.02
	11	EDGE	1.45	1	0.23	0.21	4.68
Cover (w/in 1 km)	12	FC	5.16	1	0.02	0.01	119.39
Structural connectivity variables (w/in 1 km)	13	NN	0.02	1	0.89	0.14	7.25
	14	TE	1.81	1	0.18	0.05	19.74
	15	LPA	5.48	1	0.02	0.04	27.43
	16	SA	0.50	1	0.48	0.02	52.23
	17	PA	0.34	1	0.56	0.01	135.78
	18	MPA	2.79	1	0.10	0.00	287.37
	19	NP	0.26	1	0.61	0.01	86.38
Functional connectivity variables (w/in 1 km)	20	AC_f	3.62	1	0.06	0.01	116.79
	21	PI _f	0.01	1	0.93	0.01	118.17
	23	AC_m	5.92	1	0.02	0.00	664.04
	25	PI _m	0.02	1	0.90	0.02	68.31
	26	DT	2.92	1	0.09	0.02	42.37
	27	DC	5.68	1	0.02	0.09	10.72
	28	RPI_f	6.66	1	0.01	0.06	15.98
	29	RPI_m	11.31	1	0.00	0.06	15.76