

Supplementary data

Table S1. Results of model selection to identify ecological and anthropogenic covariates influencing probability of habitat use of prey species

Species	Model	AIC	Delta-AIC	AIC.Weight	NLL
Gaur	Human intervention Eff	362.12	0.00	0.31	173.06
Gaur	Environment	362.54	0.42	0.25	174.27
Gaur	All covs Eff	362.78	0.67	0.22	171.39
Gaur	Effort	363.20	1.08	0.18	172.60
Gaur	Environment Eff	367.88	5.76	0.02	179.94
Gaur	Habitat	368.41	6.30	0.01	181.21
Gaur	Habitat Eff	372.59	10.48	0.00	181.30
Gaur	All covs	372.80	10.69	0.00	182.40
Gaur	Human intervention	382.79	20.68	0.00	188.40
Gaur	NULL	382.92	20.80	0.00	189.46
Banteng	Human intervention	129.95	0.00	0.26	61.98
Banteng	NULL	130.52	0.56	0.19	63.26
Banteng	Human intervention Eff	131.31	1.36	0.13	57.66
Banteng	Environment Eff	131.54	1.59	0.12	61.77
Banteng	Habitat	132.01	2.06	0.09	63.00
Banteng	Environment	132.56	2.60	0.07	59.28
Banteng	Habitat Eff	132.79	2.83	0.06	61.39
Banteng	All covs	133.28	3.33	0.05	62.64
Banteng	All covs Eff	134.83	4.87	0.02	57.41
Banteng	Effort	136.03	6.08	0.01	59.02
Northern red muntjac	Human intervention	1,506.32	0.00	0.48	750.16
Northern red muntjac	Environment Eff	1,507.29	0.98	0.29	749.65
Northern red muntjac	Human intervention Eff	1,509.06	2.74	0.12	746.53
Northern red muntjac	Habitat Eff	1,509.67	3.35	0.09	749.83
Northern red muntjac	All covs Eff	1,513.00	6.68	0.02	746.50
Northern red muntjac	NULL	1,590.27	83.95	0.00	793.14
Northern red muntjac	Habitat	1,592.27	85.95	0.00	793.14
Northern red muntjac	All covs	1,594.27	87.95	0.00	793.14
Northern red muntjac	Environment	1,595.25	88.93	0.00	790.63
Northern red muntjac	Effort	1,599.25	92.93	0.00	790.63
Sambar	All covs Eff	504.58	0.00	0.87	242.29
Sambar	Effort	508.51	3.92	0.12	245.25
Sambar	Human intervention Eff	515.32	10.73	0.00	249.66
Sambar	Environment	519.25	14.67	0.00	252.63
Sambar	Habitat Eff	522.95	18.37	0.00	256.48
Sambar	All covs	526.83	22.25	0.00	259.42
Sambar	Environment Eff	541.87	37.29	0.00	266.94
Sambar	Habitat	545.73	41.15	0.00	269.87
Sambar	Human intervention	551.19	46.61	0.00	272.60
Sambar	NULL	555.15	50.57	0.00	275.57

Table S1. Results of model selection to identify ecological and anthropogenic covariates influencing probability of habitat use of prey species (cont.)

Species	Model	AIC	Delta-AIC	AIC.Weight	NLL
Wild pig	All covs Eff	1,386.78	0.00	0.50	683.39
Wild pig	Human intervention Eff	1,386.79	0.02	0.50	685.40
Wild pig	Environment Eff	1,416.98	30.20	0.00	704.49
Wild pig	Human intervention	1,419.77	32.99	0.00	706.88
Wild pig	Effort	1,420.65	33.88	0.00	701.33
Wild pig	Environment	1,420.76	33.98	0.00	703.38
Wild pig	Habitat Eff	1,421.68	34.91	0.00	705.84
Wild pig	Habitat	1,450.65	63.87	0.00	722.32
Wild pig	NULL	1,543.68	156.91	0.00	769.84
Wild pig	All covs	1,547.69	160.91	0.00	769.84

Table S2. Effect size of ecological and anthropogenic covariates

Species	Parameter	Coefficient	2.50%	97.50%	p value
Gaur	psi(Int)	-1.72	-3.07	-0.37	0.01
Gaur	p(Int)	-2.86	-5.04	-0.68	0.01
Gaur	psi(NDVI)	1.06	0.47	1.65	0.00
Gaur	psi(Patrol)	1.19	0.33	2.05	0.01
Gaur	psi(Dist.Road)	2.04	0.32	3.75	0.02
Gaur	psi(Dist.village)	0.48	-0.16	1.12	0.14
Gaur	psi(Elevation)	0.53	-0.21	1.26	0.16
Gaur	p(Effort)	0.22	-0.10	0.55	0.18
Gaur	psi(Dist.stream)	-0.57	-1.73	0.59	0.34
Gaur	psi(Dist.reservoir)	0.37	-0.49	1.22	0.40
Gaur	psi(HumanPCRI)	-2.42	-10.59	5.76	0.56
Banteng	psi(Int)	-8.55	-106.48	89.38	0.86
Banteng	p(Int)	-20.46	-3,424.80	3,383.87	0.99
Banteng	psi(Dist.Road)	-9.71	-25.41	5.99	0.23
Banteng	psi(Dist.village)	-1.17	-3.25	0.91	0.27
Banteng	psi(Dist.reservoir)	-0.91	-2.80	0.98	0.34
Banteng	psi(Dist.stream)	0.58	-1.03	2.18	0.48
Banteng	psi(NDVI)	-0.28	-1.10	0.54	0.51
Banteng	psi(Elevation)	0.48	-1.49	2.45	0.63
Banteng	psi(HumanPCRI)	-246.63	-1,802.69	1,309.42	0.76
Banteng	psi(Patrol)	-4.88	-80.40	70.64	0.90
Banteng	p(Effort)	4.57	-643.11	652.26	0.99
Northern red muntjac	psi(Int)	1.23	0.75	1.70	0.00
Northern red muntjac	p(Int)	-2.69	-3.66	-1.71	0.00
Northern red muntjac	p(Effort)	0.26	0.12	0.41	0.00
Northern red muntjac	psi(Patrol)	0.41	-0.13	0.95	0.14
Northern red muntjac	psi(Dist.Road)	1.14	-0.41	2.69	0.15
Northern red muntjac	psi(HumanPCRI)	-0.54	-1.55	0.47	0.30

Table S2. Effect size of ecological and anthropogenic covariates (cont.)

Species	Parameter	Coefficient	2.50%	97.50%	p value
Northern red muntjac	psi(NDVI)	0.23	-0.23	0.69	0.32
Northern red muntjac	psi(Elevation)	0.14	-0.32	0.61	0.54
Northern red muntjac	psi(Dist.reservoir)	-0.07	-0.52	0.38	0.76
Northern red muntjac	psi(Dist.village)	0.07	-0.43	0.57	0.78
Northern red muntjac	psi(Dist.stream)	0.07	-0.44	0.57	0.80
Sambar	psi(Int)	-2.57	-3.68	-1.47	0.00
Sambar	p(Int)	-2.57	-4.86	-0.29	0.03
Sambar	psi(Dist.reservoir)	1.74	0.72	2.75	0.00
Sambar	psi(Elevation)	-1.35	-2.18	-0.53	0.00
Sambar	psi(NDVI)	-0.82	-1.34	-0.29	0.00
Sambar	p(Effort)	0.31	0.02	0.59	0.03
Sambar	psi(Dist.stream)	-0.31	-1.17	0.55	0.48
Sambar	psi(HumanPCRI)	-1.80	-7.23	3.63	0.52
Sambar	psi(Patrol)	0.21	-0.48	0.90	0.55
Sambar	psi(Dist.village)	-0.11	-0.65	0.43	0.69
Sambar	psi(Dist.Road)	0.29	-1.36	1.93	0.73
Wild pig	psi(Int)	1.31	0.43	2.19	0.00
Wild pig	p(Int)	-3.86	-5.14	-2.57	0.00
Wild pig	p(Effort)	0.44	0.25	0.63	0.00
Wild pig	psi(Dist.reservoir)	0.76	0.06	1.45	0.03
Wild pig	psi(NDVI)	0.45	0.03	0.88	0.04
Wild pig	psi(Dist.Road)	1.69	-0.01	3.40	0.05
Wild pig	psi(HumanPCRI)	-2.67	-5.62	0.27	0.08
Wild pig	psi(Dist.stream)	0.60	-0.10	1.31	0.09
Wild pig	psi(Dist.village)	0.24	-0.33	0.81	0.41
Wild pig	psi(Elevation)	-0.12	-0.64	0.41	0.67
Wild pig	psi(Patrol)	-0.11	-0.69	0.47	0.71