

S1 Table. Model selection results to identify landscape variables associated with spatial clustering of carnivore records based on weighted ranking of IUCN red list categories, Peninsular Malaysia, 1948–2014.

Model no. and variables ^a	AIC _c ^b	ΔAIC _c ^c	K ^d	Adjusted model R ²
1. DCap + RdDens + (DCap × RdDens) + NatHabProp + Elevation	307.64	0	6	0.62
2. DCap + RdDens + (DCap × RdDens) + PopDens + NatHabProp + Elevation	309.22	1.58	7	0.62
3. DCap + RdDens + (DCap × RdDens) + NatHabProp + Elevation + ProxTown	309.80	2.16	7	0.62
4. DCap + RdDens + (DCap × RdDens) + PopDens + Elevation	310.08	2.44	6	0.61
5. DCap + RdDen + (DCapP × RdDens) + NatHabProp	310.19	2.55	5	0.61
6. DCap + RdDens + (DCap × RdDens) + PopDens	310.46	2.82	5	0.62
7. DCap + RdDens + (DCap × RdDens)	310.84	3.20	4	0.61

^a DCap = distance (m) to capital city (ln transformed; sampling covariate).

RdDens = Density of improved roads (km/km²) measured within a 15-km radius moving window.

NatHabProp = Proportion of pixels with natural land cover measured within a 15-km radius moving window.

Elevation = elevation (m).

PopDens = human population size per 968- x 968-m grid cell (approximately 1 km²).

ProxTown = proximity (m) to nearest town or village.

^b Bias-corrected Akaike's information criterion .

^c Difference in AIC_c compared with best model.

^d Number of estimated parameters.