Appendices

Appendix 1. The best candidate models for gaur in the Core study area of the Hukaung Valley Wildlife Sanctuary of northern Myanmar.

Model	AIC	ΔAIC	AIC weight	Model Likelihood	No. of parameters	- 2*Log Likelihood
Ψ (vlg+ele+trl+habH+habA+stm),p(vlg)	4175.39	0	0.5893	1	9	4157.39
Ψ (vlg+ele+trl+habH+habA+stm),p(vlg+stm)	4175.89	0.50	0.3146	0.7788	10	4155.89
Ψ (vlg+ele+trl+habH+habA+stm),p(.)	4180.12	4.73	0.0379	0.0939	8	4164.12
Ψ (vlg+ele+trl+habH+habA+stm),p(stm)	4180.49	5.10	0.0315	0.0781	9	4162.49
Ψ (vlg+ele+trl+habH+habA+stm+tht),p(.)	4181.09	5.70	0.0234	0.0578	9	4163.09
Ψ (vlg+ele+trl+habH+habA),p(.)	4181.44	6.05	0.0196	0.0486	7	4167.44
Ψ (vlg+ele+trl+habH+habA+stm+rng),p(.)	4181.77	6.38	0.0166	0.0412	9	4163.77

Appendix 2. The best candidate models for sambar in the Core study area of the Hukaung Valley Wildlife Sanctuary of northern Myanmar.

Model	AIC	ΔAIC	AIC weight	Model Likelihood	No. of parameters	- 2*Log Likelihood
Ψ (rng+trl+stm+stmD+road+ele+pres), p(trl+rng+stm+pres+ele+road+vil)	6196.08	0.00	0.9006	1.0000	16	6164.08
Ψ (rng+trl+stm+stmD+road+ele+pres), p(trl+rng+stm+pres+ele+road)	6201.24	5.16	0.0682	0.0758	15	6171.24
Ψ (ranger+trail+stream+stmD+road+ele+pres), p(trl+rng+stm+pres+ele+road+tem)	6202.81	6.73	0.0311	0.0346	16	6170.81
Ψ (rng+trl+stm+stmD+road+ele+pres), p(trl+rng+stm+pres+ele)	6227.90	31.82	0.0000	0.0000	14	6199.90
Ψ (rng+trl+stm+stmD+road+ele+pres), p(trl+rng+stm+pres+ele+tem)	6228.45	32.37	0.0000	0.0000	15	6198.45

Appendix 3. The best candidate models for wild pig in the Core study area of the Hukaung Valley Wildlife Sanctuary of northern Myanmar.

Model	AIC	ΔAIC	AIC weight	Likelihood	Model parameters	No. of Likelihood	- 2*Log
Ψ(rng+trl+stm),p(rng+road+vlg+trl)	2341.12	0	0.1342	1	9	2323.12	
Ψ(rng+trl+stm),p(rng+road+vlg+trl+stm)	2341.49	0.37	0.1115	0.8311	10	2321.49	
Ψ(rng+trl+stm),p(rng+road+vlg+trl+pres)	2342.11	0.99	0.0818	0.6096	10	2322.11	
Ψ(rng+trl+stm),p(rng+road+vlg+trl+tem)	2342.17	1.05	0.0794	0.5916	10	2322.17	
Ψ(rng+trl+stm),p(rng+road+vlg)	2342.63	1.51	0.0631	0.47	8	2326.63	
Ψ(rng+trl+stm),p(rng+road+vlg+trl+slp)	2342.9	1.78	0.0551	0.4107	10	2322.9	
Ψ(rng+trl+stm),p(rng+road+vlg+pres)	2343.04	1.92	0.0632	0.3829	9	2325.04	
Ψ(rng+trl+stm),p(rng+road+vlg+trl+ele)	2343.12	2.00	0.0607	0.3679	10	2323.12	

Appendix 4. The best candidate models for muntjac in the Core study area of the Hukaung Valley Wildlife Sanctuary of northern Myanmar.

Model	AIC	ΔAIC	AIC weight	Model Likelihood	No. of parameters	- 2*Log Likelihood
Ψ (trl+vlg+rng+habD),p(.)	6505.43	0	0.5715	1	6	6493.43
Ψ (trl+vlg+rng+slp),p(.)	6508.74	3.31	0.1092	0.1911	6	6496.74
Ψ (trl+vlg+rng),p(.)	6509.17	3.74	0.0881	0.1541	5	6499.17
Ψ (trl+vlg+rng+tht),p(.)	6509.28	3.85	0.0834	0.1459	6	6497.28
Ψ (trl+vlg+rng+ele),p(.)	6509.82	4.39	0.0636	0.1114	6	6497.82
Ψ (trl+vlg+rng+stmd),p(.)	6510.60	5.17	0.0431	0.0754	6	6498.60
Ψ (trl+vlg+rng+stm),p(.)	6510.71	5.28	0.0408	0.0714	6	6498.71