

**S1 Table. Comparison of the eight competing models built to explore how the dynamics of wolves in the Beskydy area was influenced by prey and wolf hunting in the Slovakian wolf source, using hunted ungulate biomass (kg/100 ha). Models are ranked from the best candidate model (lowest AIC value). N = number of parameters**

MODEL	N	AIC	deltaAI	
	Parameters		C	AICweight
lam(preY biomass)p(km)	4	166.31		0.36
lam(hunting year before + prey biomass)p(km)	5	167.13	0.82	0.24
lam(hunting + prey biomass)p(km)	5	168.29	1.99	0.13
lam(hunting year before)p(km)	4	168.59	2.29	0.11
lam(hunting year before + hunting + prey biomass)p(km)	6	169.12	2.81	0.09
lam(hunting year before + hunting)p(km)	5	170.59	4.28	0.04
lam(hunting)p(km)	4	172.09	5.78	0.02
lam(.)p(.)	2	174.90	8.59	0.01