

**S1 Table.** Akaike's information criterion (AIC) of generalized linear mixed effect models testing main and interaction effects of elevation and season on bird a) abundance, b) evenness, c) species richness. Species richness model in d) also includes abundance as a fixed effect. Study plot nested in site and sampling month of each year were included as random effects in all models. All models assume a Poisson error distribution.

	<b>Predictor variables</b>	<b>AIC</b>	<b><math>\Delta</math>AIC</b>
<b>a) Bird abundance</b>	Season + elevation	1391	
	Season x elevation	1390	1
<b>b) Bird evenness</b>	Season + elevation	-283	
	Season x elevation	-279	4
<b>c) Bird richness</b>	Season + elevation	927	
	Season x elevation	930	3
<b>d) Bird richness</b>	Abundance + season + elevation	833	
	Abundance + season x elevation	837	4