

Lethal restaurant: the trophic ecology of a bird of prey in highway-fragmented landscapes

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Appendix A. Supplementary data

Table S1

Identification of Great Horned Owl ($n = 26$, *Bubo virginianus*) specimens from the Federal University of Rio Grande – FURG Bird Collection (CAFURG) and the Science and Technology Museum of the Pontifical Catholic University of Rio Grande do Sul (MCP), including tissues sampled from each individual, corresponding biome, and date of collection. Information not defined (ND); tissue/sample collected (X) or not collected (-).

Access number	Stomach	Liver	Muscle	Growing feathers	Biome	Collection date
CAFURG 641	X	X	-	X	Pampa grasslands	May 2013
CAFURG 747	X	X	X	X	Pampa grasslands	April 2013
CAFURG 750	X	X	X	X	Pampa grasslands	February 2014
CAFURG 757	Empty	X	X	X	Pampa grasslands	January 2015
CAFURG 754	X	X	X	X	Pampa grasslands	November 2017
CAFURG 800	X	X	X	-	Rio Grande do Sul	ND
CAFURG 733	X	X	X	-	Pampa grasslands	August 2013
CAFURG 758	X	X	X	-	Pampa grasslands	July 2017
CAFURG 773	Empty	X	X	X	Pampa grasslands	May 2017
CAFURG 829	X	X	X	X	Pampa grasslands	May 2017

CAFURG 830	X	X	X	X	Rio Grande do Sul	ND
CAFURG 2291	Empty	-	X	-	Pampa grasslands	June 2012
CAFURG 858	X	X	X	X	Atlantic forest	December 2011
CAFURG 885	-	-	-	X	Pampa grasslands	February 2014
MCP 970	-	-	-	X	Pampa grasslands	June 2001
MCP 1137	-	-	-	X	Pampa grasslands	May 2002
MCP 1636	X	-	-	X	Pampa grasslands	August 2003
MCP 2043	Empty	-	-	X	Atlantic forest	July 2002
MCP 4137	Empty	-	-	X	Pampa grasslands	May 2014
MCP 4142	X	-	-	X	Pampa grasslands	December 2012
MCP 3301	X	-	-	-	Pampa grasslands	January 2012
MCP 2675	Empty	-	-	-	Pampa grasslands	June 2008
MCP 1135	X	-	-	-	Atlantic forest	September 2002
MCP 1943	X	-	-	-	Pampa grasslands	2002
MCP 916	X	-	-	-	Pampa grasslands	June 2001
MCP 825	X	-	-	-	Pampa grasslands	August 2000

Table S2

Trophic discrimination factors (mean $\pm$ standard deviation, SD) for muscle, liver, and growing feathers of the Great Horned Owl (*Bubo virginianus*), estimated using the SIDER package for individuals from southern Brazil.

Tissue	Mean $\pm$ SD (‰)	
	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Muscle	1.16 $\pm$ 1.36	1.96 $\pm$ 1.27
Liver	0.69 $\pm$ 1.38	2.74 $\pm$ 1.26
Growing feathers	1.75 $\pm$ 1.36	3.21 $\pm$ 1.96

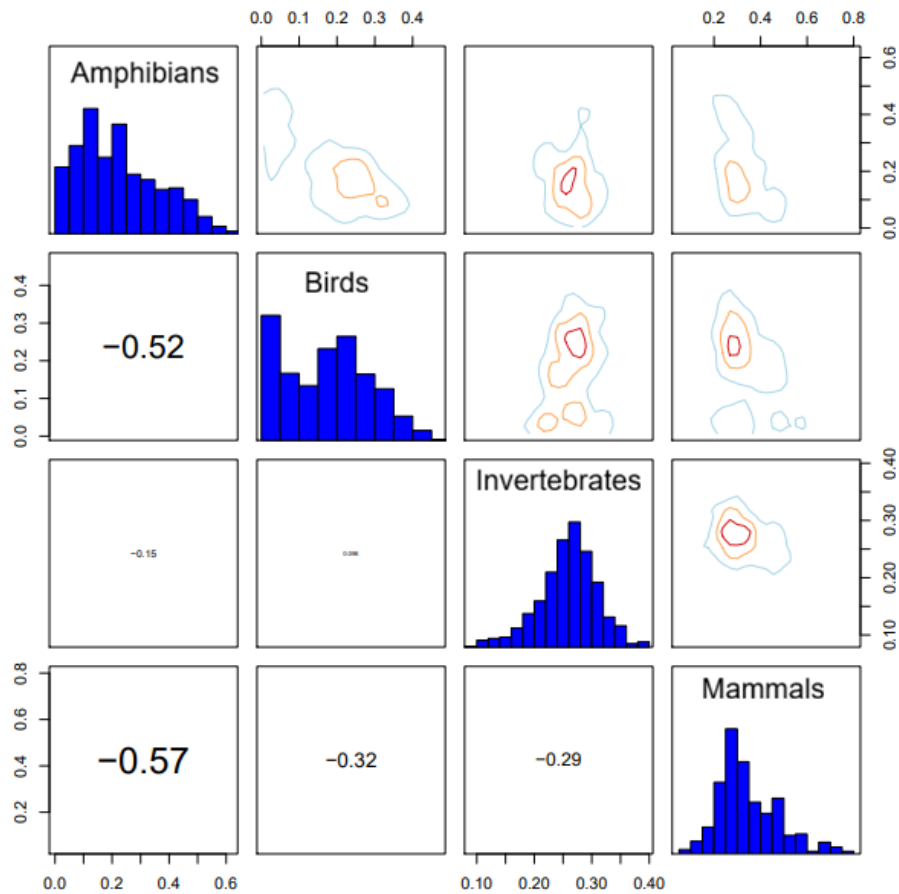


Fig. S1. Correlation matrix of potential prey contributing to muscle synthesis of Great Horned Owl (*Bubo virginianus*) in southern Brazil, based on Bayesian stable isotope mixing models.

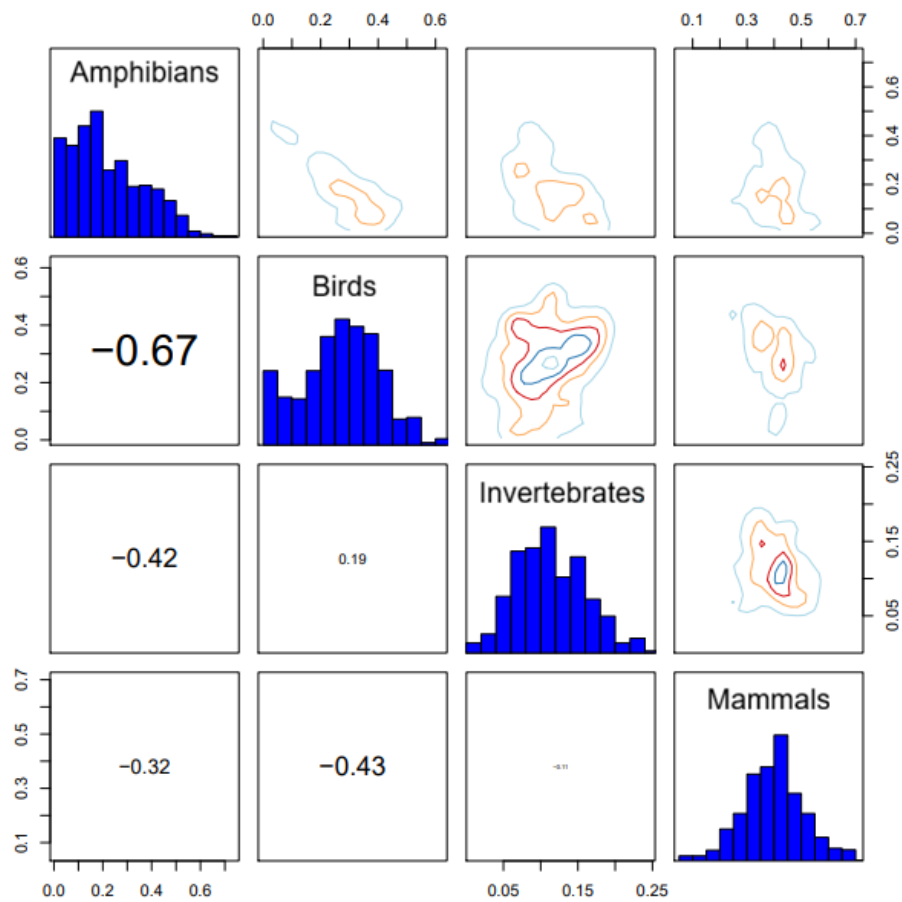


Fig. S2. Correlation matrix of potential prey contributing to liver synthesis of Great Horned Owl (*Bubo virginianus*) in southern Brazil, based on Bayesian stable isotope mixing models.

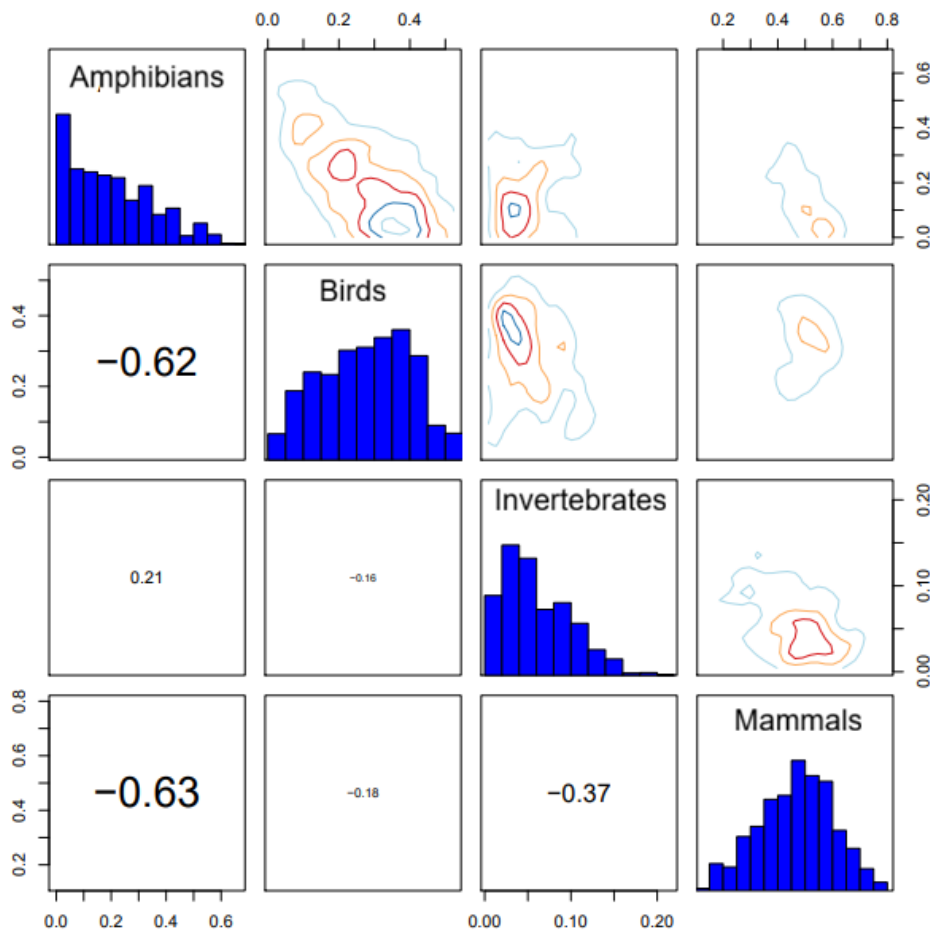


Fig. S3. Correlation matrix of potential prey contributing to growing feathers synthesis of Great Horned Owl (*Bubo virginianus*) in southern Brazil, based on Bayesian stable isotope mixing models.