

Supplementary Table 3.1. Total proportion of lion (vertical column) home ranges and core areas overlapped by spotted hyena individuals (horizontal column) in the (a) Etosha National Park, Namibia; (b) Chobe National Park and Linyanti Conservancy, Botswana. Utilization distributions were generated with the home range (95%) and core use area (50%) *a*-LoCoH isopleths. Males are underlined. An asterisk denotes mortality.

(a)

HOME RANGE (95%)

DRY SEASON

WET SEASON

SPOTTED HYENA

GO-33869

TJ-33870

NE-33871

SA-33872

AU-33873

OM-33874

SU-33951

WO-34310

GO-33869

TJ-33870*

NE-33871

SA-33872

AU-33873*

OM-33874

SU-33951*

WO-34310

LION

OK-33863

RE-33864

NU-33865

MO-33866

OJ-33867

SU-33868

OM-34308*

LU-34308

OF-34309*

G2-35678

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(b)

HOME RANGE (95%)

b)

		DRY SEASON					WET SEASON				
		SPOTTED HYENA									
		AR-33869	IH-33870	KW-33871	RV-33873*	SR-34310	AR-33869*	IH-33870	KW-33871*	RV-33873	SR-34310*
LION	SW-33950	-	0.466			0.575		0.437			0.763
	AF-34308	-			0					0.266	
	BE-35678*	-			0		0.119			0	
	AM-36714	-			0.029		0.075			0.114	
	KW-36716*	-	0.036	0.267		0.174		0.060	0.078		0.079
	KB-36717*	-	0.470	0		0.691		0.364	0.0036		0.470

CORE AREA (50%)

		DRY SEASON					WET SEASON				
		SPOTTED HYENA									
		AR-33869	IH-33870	KW-33871	RV-33873*	SR-34310	AR-33869*	IH-33870	KW-33871*	RV-33873	SR-34310*
LION	SW-33950	-	0.023			0.178		0			0.015
	AF-34308	-			0					0	
	BE-35678*	-			0		0.125			0	
	AM-36714	-			0		0			0	
	KW-36716*	-	0	0		0		0	0		0
	KB-36717*	-	0	0		0.211		0	0		0.064

(b)

(b)

		HOME RANGE (95%)											
		DRY SEASON						WET SEASON					
		LION											
		SW- 33950	AF- 34308	BE- 35678*	AM- <u>36714</u>	KW- 36716*	KB- 36717*	SW- 33950	AF- 34308	BE- 35678*	AM- <u>36714</u>	KW- 36716*	KB- 36717*
SPOTTED HYENA	AR-33869*	-	-	-	-	-	-			0.309	0.598		
	IH-33870	0.461				0.028	0.244	0.561				0.075	0.228
	KW-33871*					0.307	0					0.339	0.007
	RV-33873*		0	0	0.468				0.181	0	0.736		
	SR-34310*	0.416				0.100	0.262	0.222				0.022	0.067

		CORE AREA (50%)											
		DRY SEASON						WET SEASON					
		LION											
		SW- 33950	AF- 34308	BE- 35678*	AM- 36714	KW- 36716*	KB- 36717*	SW- 33950	AF- 34308	BE- 35678*	AM- 36714	KW- 36716*	KB- 36717*
SPOTTED HYENA	AR-33869*	-	-	-	-	-	-			0.0039	0		
	IH-33870	0.024				0	0	0				0	0
	KW-33871*					0	0					0	0
	RV-33873*		0	0	0				0	0	0		
	SR-34310*	0.105				0	0.034	0.003				0	0.0053