

Table S1. Sample sizes for food-intake and carcass-acquisition analyses in the Serengeti and Ngorongoro.

Data for belly size regression models			
	N females	N males	Years of data
Ngorongoro Crater	1584	1154	26
Serengeti Plains	2867	1256	29
Serengeti Woodlands	3232	1417	29
total	7,683	3,827	

N = number of sightings of known-aged lions where belly size was recorded, taking only 1 sighting per pride per day

Data for carcass regressions				
Habitat	Kills	Scavenge	Previously obtained	Total Observations
Ngorongoro Crater	291	42	486	7060
Serengeti Plains	379	113	842	16353
Serengeti Woodlands	607	120	1454	21212
Serengeti nomads	48	20	193	1448
total	1325	295	2975	46073

N = number of sightings since 1966 in Serengeti and 1975 in Ngorongoro. "Previously obtained" - lions were found feeding when first observed that day