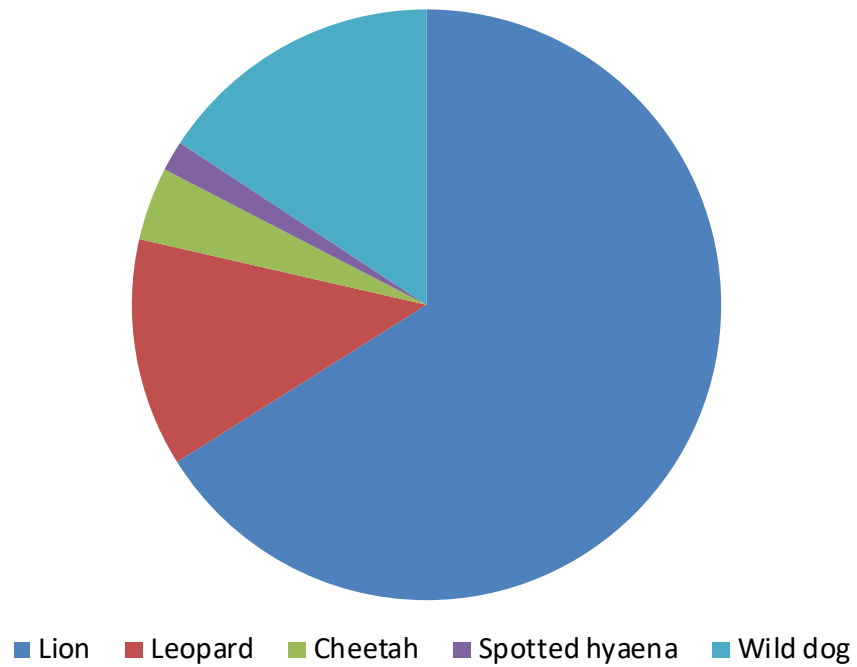


## Supplementary material



**Figure S1:** Proportion of herbivore carcasses (of the herbivore species included in this analysis) attributed to each of the five large predators in HIP between 1983 and 2010. All five predator species have remained present in the park since 2010, but the leopard population has reduced considerably, the spotted hyena population has decreased by two thirds, and the lion and wild dog populations have increased, suggesting that the proportion of kills made by leopards and spotted hyena during our study in 2014 would likely be substantially lower than the proportion represented here. Cheetah have remained present at low densities (estimated at six individuals in 2014). Data were sourced from Somers et al. (2017).