Intraspecific variation in male mating strategies in an African ground squirrel (*Xerus inauris*)

Mary Beth Manjerovic\(^1,2\) | Eric A. Hoffman\(^2\) | Christopher L. Parkinson\(^2,3\) | Jane M. Waterman\(^2,4,5\)

\(^1\)Department of Biology, Virginia Military Institute, Lexington, Virginia, USA
\(^2\)Department of Biology, University of Central Florida, Orlando, Florida, USA
\(^3\)Department of Biological Sciences, Clemson University, Clemson, South Carolina, USA
\(^4\)Department of Biological Sciences, University of Manitoba, Winnipeg, Manitoba, Canada
\(^5\)Department of Zoology and Entomology, Mammal Research Institute, University of Pretoria, Pretoria, South Africa

Abstract

Male mating strategies respond to female availability such that variation in resources that affect spatial distribution can also alter cost-benefit tradeoffs within a population. In arid-adapted species, rainfall alters reproduction, behavior, morphology, and population density such that populations differing in resource availability may also differ in successful reproductive strategies. Here, we compare two populations of Cape ground squirrels (*Xerus inauris*), a sub-Saharan species with year-round breeding and intense mating competition. Unlike most mammals where males resort to aggressive interactions over females, male *X. inauris* are tolerant of one another, relying instead on other nonaggressive pre- and postcopulatory strategies to determine paternity.