

Metadata for the supplementary materials for: ‘Staying alive: individual behavioural variation influences survival, but not reproductive success, in female group-living ground squirrels’

The supplementary materials include the following files:

- 1) **Supplementary_materials_metadata.docx** (this file): includes the description of the column names and description for the .csv files of the data used in the models presented in the manuscript:
- 2) **MODEL_FemaleDocilityFitness.csv**: the input file for the analyses of the effect of docility measures and other fixed factors on reproductive output in female Cape ground squirrels
- 3) **MODEL_FemaleDocilitySurvival.csv**: the input file for the analyses of the effect of docility measures and other fixed factors on survival in female Cape ground squirrels
- 4) **MODEL_FemaleTrappabilityREPRO&survival.csv**: the input file for the analyses of the effect of trappability and trap diversity measures and other fixed factors on reproductive output in female Cape ground squirrels

All model files were assembled in R using packages ‘dplyr’ and ‘tidyverse’ by Miya Warrington from the raw database files (trapping, morphological & docility measurement, parentage) of the Cape Ground Squirrel project lead by Jane M. Waterman. Rainfall data was obtained onsite by the S.A. Lombard Nature Reserve staff (Northwest Parks, South Africa).

Table S9: Description of column names in the model csv files

Variable type	Column name	Description
Random factor	Tag	Identity of the squirrel
Not used in models	Year	The year data was collected: initially examined as fixed or random factor in preliminary models
Random factor	Area	Area, the burrow cluster area where the individual was captured
Random factor	HandlerID	Human handler ID
Fixed factor	Approach	Docility score during approach to trap
Fixed factor	Transfer	Docility score during transferring animal from trap to handling bag
Fixed factor	Handling	Docility score during handling
Fixed factor	Release	Response of animal upon release: the subject 0 - walks away; 1 - runs away
Fixed factor	TotalColonies	Trap diversity: the total number of burrow clusters a female visited and standardized the measure by dividing the total clusters a female was trapped in divided by the total number of hours a trap was set in the vicinity

		of her burrow cluster and foraging range
Fixed factor	EncounterRate	Trappability: the encounter rate of each female per year; calculated by dividing the total number of times a female was trapped by the total number of hours a trap was set in the vicinity of her burrow cluster and foraging range
Fixed factor	CaptureNumber	Whether the individual was being trapped for the first time (first time = 1, all captures thereafter = 0)
Fixed factor	Tenure	The number of years since the adult was first captured
Fixed factor	TotalSeasonalPrecip	The total precipitation from July of the previous year until June of the sampling year
Fixed factor	S1YearTotalSeasRain	In survival models only: The total precipitation from July until June of the next year, representing the rainfall available during the year that the animal is to survive
Fixed factor	AvgBodyCond	Average body condition for all measurements taken that season. Body condition was calculated as in Tranquillo et al. (2022),
Response variable	AnnualNumberOffspring	The number of offspring produced that breeding season
Response variable	AnnualNumberOffspringBinary	Whether an individual had any offspring that year, whereby zero offspring = 0, and ? one offspring = 1
Response variable	LifetimeOffspring	Total offspring continuous: the number of offspring produced during the individual's lifetime
Response variable	LifetimeOffspringBinary	Total offspring binary: whether any offspring were produced during the individual female's lifetime, whereby zero offspring = 0 and ? one offspring = 1
Response variable	AnnualSurvival	Whether females survived until the following year, whereby a female that is never seen in all subsequent years in the trapping record is presumed dead = 0, and females found in the trapping record are recorded as survived = 1
Response variable	OnsitePersistence	On-site persistence continuous, the total number of years a female was trapped as an adult
Response variable	OnsitePersistenceBinary	On-site persistence binary, whether a female was trapped for > 1 year,

		whereby one year = 0, and ? two years = 1
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