

Read me for “Data for Richardson & Smiseth Behavioural Ecology.csv”

This file consists of a comma separated values spreadsheet (.csv), which provides data on investment to egg laying and parental care in cobreeding and solo-breeding female burying beetles. Each line represents a single experimental female.

brood – brood ID

female_ID – individual female ID

dye – colour of the eggs laid by females after feeding on one of two dyes (pink = Rhodamine B dye, blue = Sudan black dye)

female_size – female pronotum width (mm)

female_premass – female mass before breeding (g)

carcass – carcass mass (g)

treatment – experimental treatment (co = cobreeding on large carcass, solo_large = female breeding alone on large carcass, solo_half = female breeding alone on carcass half the size of the large carcass)

female_postmass – female mass at larval dispersal (g)

broodsize_dispersal – number of larvae at dispersal

broodmass_dispersal – mass of the whole brood at dispersal (g)

prox_scans – number of scans (out of 30) that a female spent in close proximity (i.e. within one pronotum width) to the brood during a 30 minute behavioural observation

indirect_scans – number of scans (out of 30) that a female spent providing indirect care during a 30 minute behavioural observation

direct_scans – number of scans (out of 30) that a female spent providing direct care during a 30 minute behavioural observation

broodsize_observation – number of larvae in brood at the time of the behavioural observation

broodmass_observation – mass of the whole brood (g) at the time of the behavioural observation

femalemass_observation – female mass (g) at the time of the observation

observation_time – date and time of the behavioural observation (DD/MM/YYYY HH:MM)

time_laying – number of hours between when a female was given a carcass and when she laid her first egg

avg_eggsize – average size of eggs (mm³)

unhatched_eggs – number of unhatched eggs

hatched_eggs – number of hatched eggs

clutch_size – total number of eggs laid