

This dataset consists of three spreadsheets, which provide data on the three traits investigated in the paper by Pilakouta & Baillet (2022) in the *Journal of Animal Ecology*. Each line represents one effect size.

id = ID number assigned to each effect size (to obtain measures of residual heterogeneity)

Paper_ID = ID number assigned to each paper screened for this meta-analysis (to account for non-independence of effect sizes extracted from the same study)

Year = publication year for each study

Endo/ecto = whether the study species used is an endotherm or ectotherm

Species = study species used

Mating status = whether the individuals used in the study were previously mated or virgins

Choice_paradigm = whether the mate choice trial was sequential (one potential mate at a time) or simultaneous (two potential mates at the same time)

Factor = whether the study examined variation in air temperature (i.e., for a terrestrial organism) or water temperature (i.e., for an aquatic organism)

Acute/acclimation = whether the temperature treatment that individuals were exposed to was short-term (acute exposure) or long-term (acclimation)

Time_exposure = developmental stage at which individuals were exposed to the temperature treatment

Intensity = the temperature range between the lowest and highest temperatures experienced by individuals in the study

Temperature_extreme = whether the individuals in the study were exposed to extreme temperatures (i.e., outside the normal temperature range for that species)

Sex_exposed = whether males, females, or both sexes were exposed to the temperature treatment

Zr = effect size

varz = effect size variance