

Hard-working Helpers Contribute to Long Breeder Lifespans in Cooperative Birds

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This document includes:

PRISMA statement (Figure S1)

Funnel plots (Figure S2)

Sex-specific plots (Figure S3)

Other Supplementary Information for this manuscript includes:

Tables S1 to S5 and data in long format (*Downing_et_al_SuppTables.xlsx*)

R code (*Downing_et_al_Code.R*)

Effect size calculations (*Downing_et_al_Data.txt*)

Full details on supplementary information (*README.txt*)

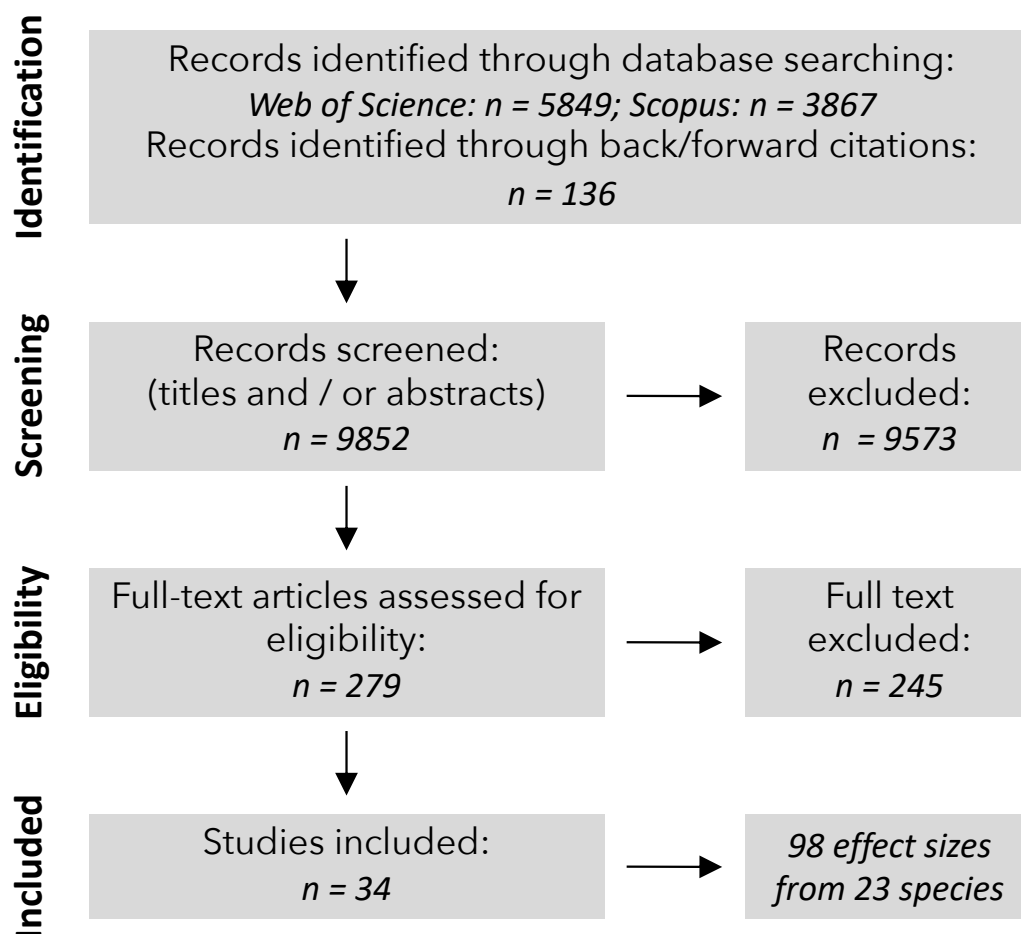


Figure S1. PRISMA diagram, see table S1 for the number of studies screened per species.

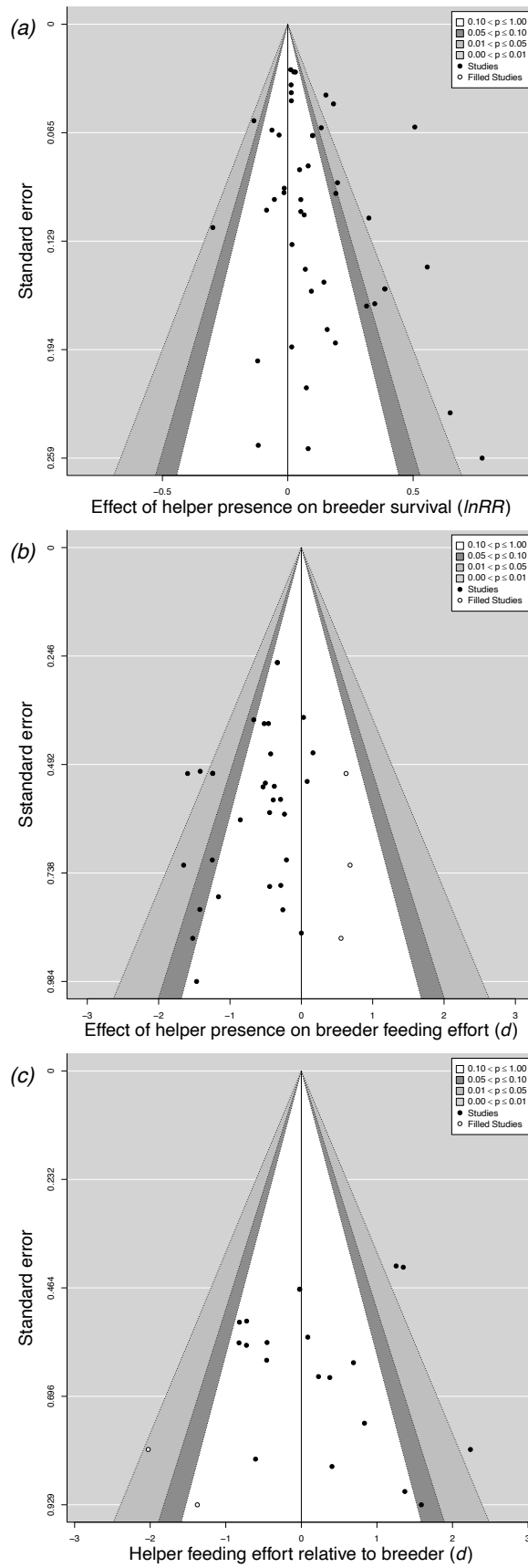


Figure S2. Funnel plots for (a) the effect of helpers on breeder survival, $\ln RR$, (b) the effect of helpers on breeder feeding effort, d , and (c) helper relative to breeder feeding effort, d .

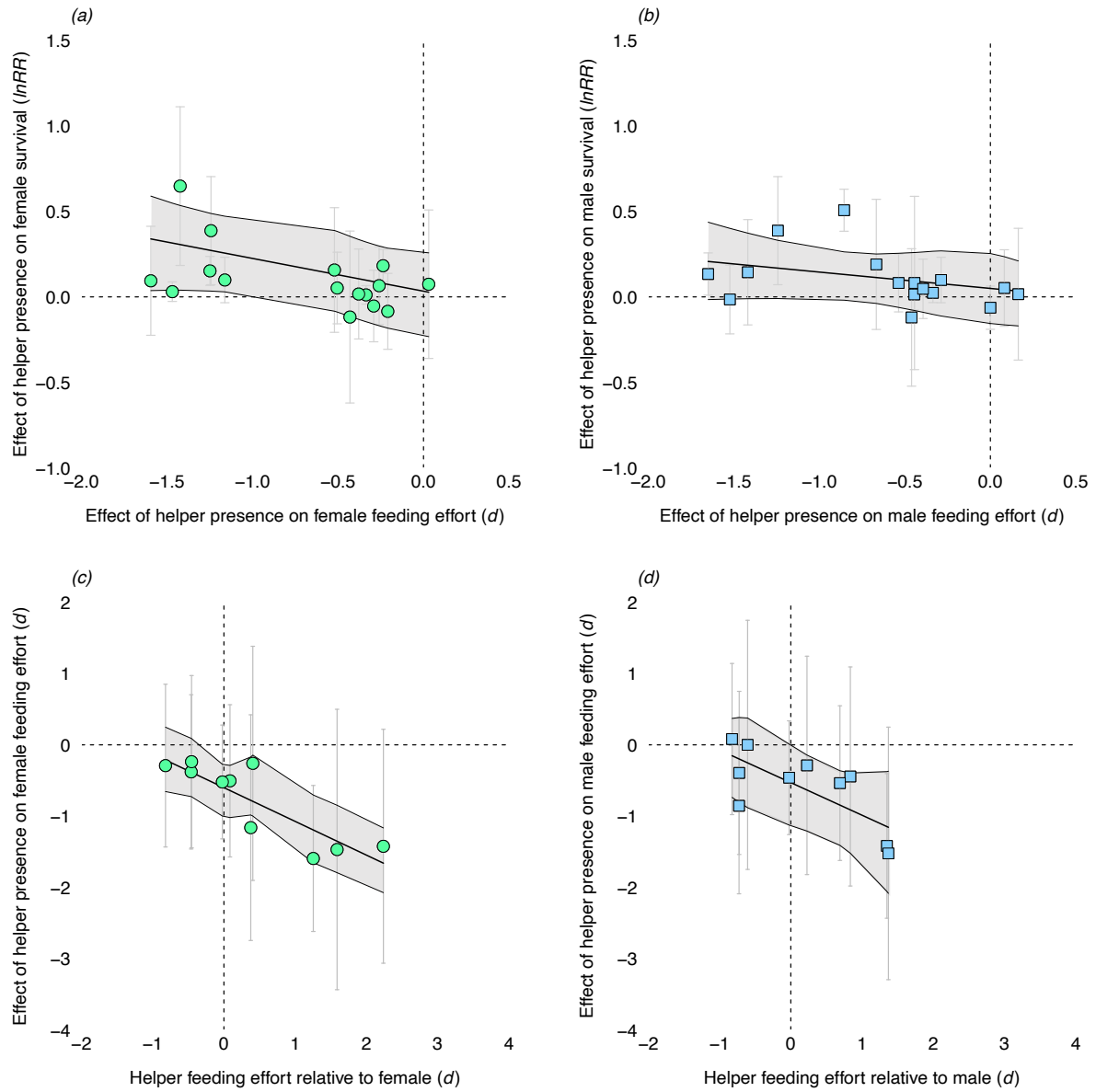


Figure S3. Female (a) and male (b) breeders that decreased their feeding effort more when helped experienced greater gains in survival than breeders that did not decrease their feeding effort ($N_{species} = 16$ in both plots). Female (c) and male (d) breeders that received large amounts of help reduced their investment in feeding offspring more than breeders that received less help ($N_{species} = 10$ in both plots).