Population variation in physiological and behavioural responses to artificial light at night

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All raw data used in analyses is contained in the associated .xlsx file.

* 'Early survival' tab contains data for early nymph survival
* 'Life History' tab contains data for juvenile development time, body mass, condition, adult longevity and gonad mass
* 'Phonotaxis' tab contains data for phonotaxis experiment

Abbreviations for all tabs:

ID = unique animal identity

Population = one of three source populations

Replicate = each population was reared in a number of replicates, under each lighting treatment. This is the identity which was used as a random effect in models

Treatment = Exposure during development to ALAN or darkness

Early survival tab:

      Initial nymph # = the number of 1st instars at start of experiment

      Week 6 count = final count of survivors

      Proportion survival = the proportion survived at 6 weeks

Life History tab:

     Sex = male or female

     Development = days from 1st instar to adult eclosion

     Adult longevity = days from adult eclosion until death

     Weight = body mass

     Pronotum = a measure of body size

     Gonad = ovary or testes mass

Phonotaxis tab:

     Standardisedwgt = mass relative to treatment (see Statistics section of paper)

     Arena run = whether it was the first or second trial for the female, used as a random term in analysis

     Arena treatment = immediate lighting conditions of the trial (as opposed to the developmental lighting treatment). D - dark, L - lights on

     Song ID = the randomly selected song id used in the trial

     Did move? = did female move. 1 = yes, 0 = no.

     First move = time taken until female moved in a trial

     Touch speaker zone? = did female enter the playback zone. 1 = yes, 0 = no.

     Time to speaker zone = time taken until female entered the playback zone

     Touch speaker? = did female touch the speaker. 1 = yes, 0 = no.