

Title: Response of bird predators for female wood tiger moth chemical defences

Description: Multiple behavioural responses of blue tit predators to the defence fluids of wood tiger moth (*Arctia plantaginis*) females that were either food deprived or fed *ad libitum* during development.

birdID = Individual code of blue tits

sex = bird sex

age =bird age

sample = blinded moth defence fluid sample

treatm = moth larval diet treatment

mcol = moth hindwing colour (scale from 1-6, 1=yellow, 6=red)

family = moth family

individual = moth individual ID

trial = trial number

timesight = time at which bird first saw artificial prey

timefin = time at which bird finished eating artificial prey

propeat = proportion of artificial prey eaten by bird

propremain = proportion of artificial prey left by bird

duration = duration of the trial

hetime = latency for bird to attack artificial prey after seeing it

bc = number of times bird cleaned it's beak

bcrate = rate at which bird cleaned it's beak during trial

drink = number of times bird drank water

drinkrate = rate at which bird drank water during trial

drop = number of times bird dropped artificial prey

droprate = rate at which bird dropped artificial prey during trial

pupaweight = the weight of the moth during the pupa stage (mg)- a proxy for adult body weight

fluidvol = the volume of defensive fluid (μ l) produced by the moth

fluidcol = the colour of the defensive fluid

eclosure = the number of days spent as a pupa by the moth

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