Protocol for scoring behavior

Modified from TAE 2022 by TAE 2023

Downloading JWatcher

Go to <https://www.jwatcher.ucla.edu/>

Go to the Download tab

In put the information they ask for and follow the onscreen instructions of downloading JWatcher for your computer model and software version.

The JWatcher Manual is available and very informative for any questions <https://www.jwatcher.ucla.edu/wp-content/uploads/sites/128/2020/07/BlumsteinDaniel_2007_JWatcherBook.pdf>

Once properly installed launch the software

First create a Global Definition File (\*.gdf) by going to the tab that says “Global Definition”. This is where you create your ethogram and what each key stroke is associated.

Recording occurred during the full ~5-h manipulation, but our analyses focused on both the final 15 min before female presentation and final 15 min before tissue collection.

First

Score 15 min before the female was uncovered.

This can be clear from when the lighting in the chamber changes.

Second

Score 15 min before the male was removed from chamber.

This will be clear of when the chamber is opened and the cage is moved.

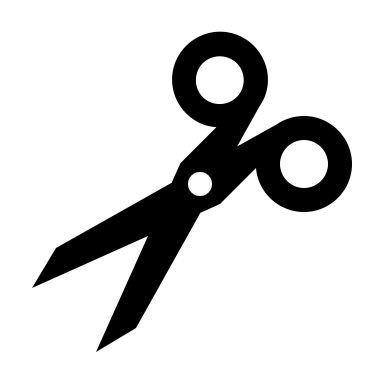
For both of these you will want to first find the end point and then go to the 15min before

15min before

Female Uncovered

Male Removed

15min before



Score behavior following ethogram and JWatcher manual.

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| Behavior | Key | Description |
| Panting | p | an open beak and the bird breathing with some rapidity. Birds typically open and close their beak during a panting session. |
| Stop Panting | l | A closed beak indicates a cessation in panting when it has been closed for ~3 s. If the beak is closed for longer than 3 s, it typically stays closed for some time until panting resumes, whereas shorter time intervals frequently lead to resumed panting. |
| Out-of-sight | o | Not in view of the camera or the camera froze |