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Version 2

User Guide for VaBA Web App V.2

DOI

<https://dx.doi.org/10.17504/protocols.io.rm7vz9qbxgx1/v2>



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VaBA



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Protocol status: Working

We use this protocol and it's working

Created: October 18, 2025

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Protocol Integer ID: 230133

Keywords: behavior analysis, annotation-free, vaba web app, using vaba web app user guide, vaba web app user guide, user guide for vaba web app user guide, user guide

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Yang Wang

Abstract

User Guide for VaBA Web App: <https://huggingface.co/spaces/zju-bmi-lab/VaBA>

Experiment Setup

40s

1 Project Configuration

Project configuration

Project
Please set project name or use the automatically generated one
c3a18640-01e1-4f34-af59-08eab1bd0b06

Choice : Use Example Demo Videos

Example datasets
Social Mice Social Rats CalMS21

Choice : Upload Video(s)

Uploaded Video Files

Delete Video File

Mask & Marker Files

Del Mask File

Drop Image Here
- Or -
Click to Upload

00:00:00 / 00:00:00

Video configuration

Step-by-Step Advanced

Welcome to VaBA!

An annotation-free tool for behavior analysis.

You can start with **Demo Videos** or **Upload Videos** with two mice or rats.

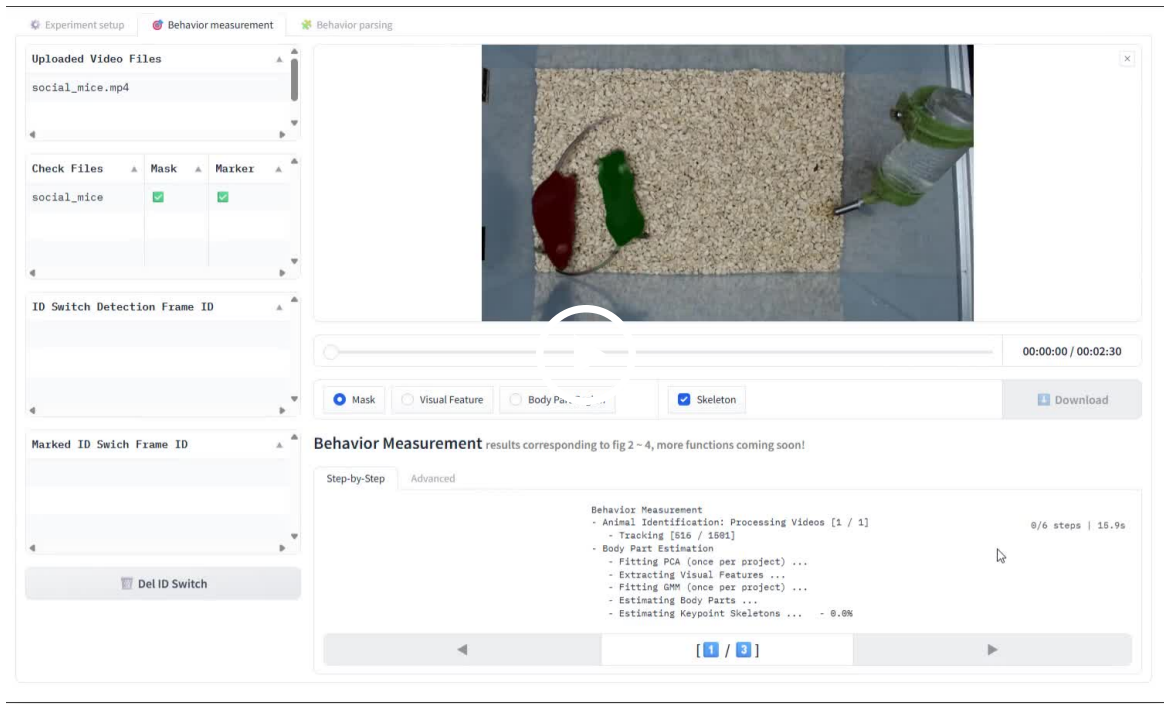
Need help? Contact us at gianzheng@zju.edu.cn

Behavior Measurement

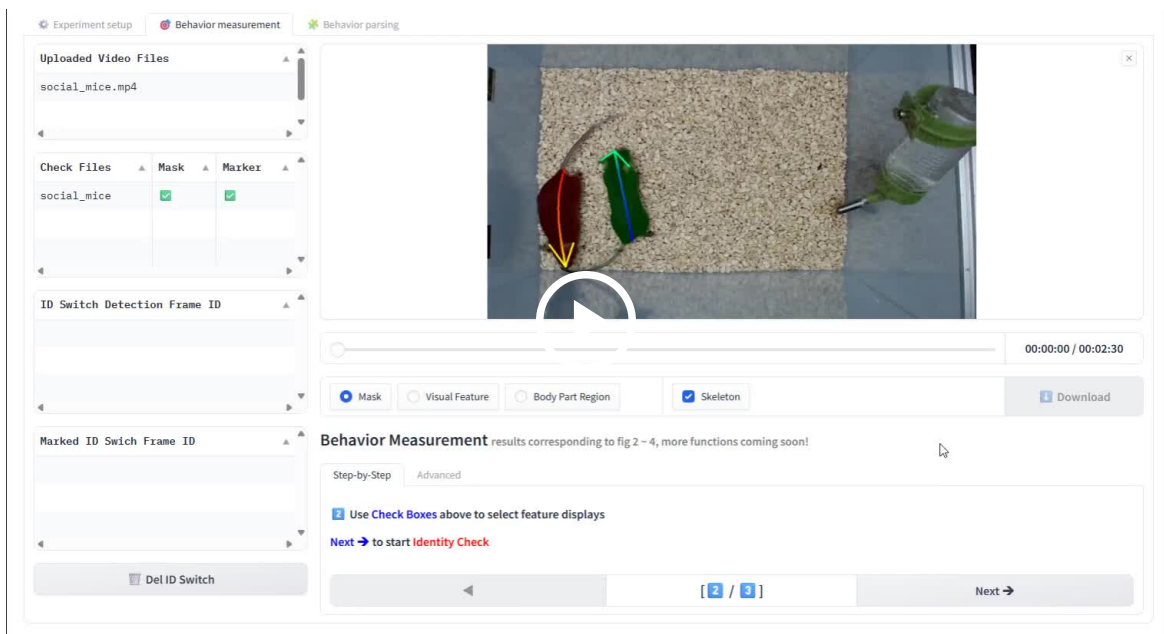
5m

2 Automated Behavior Measurement

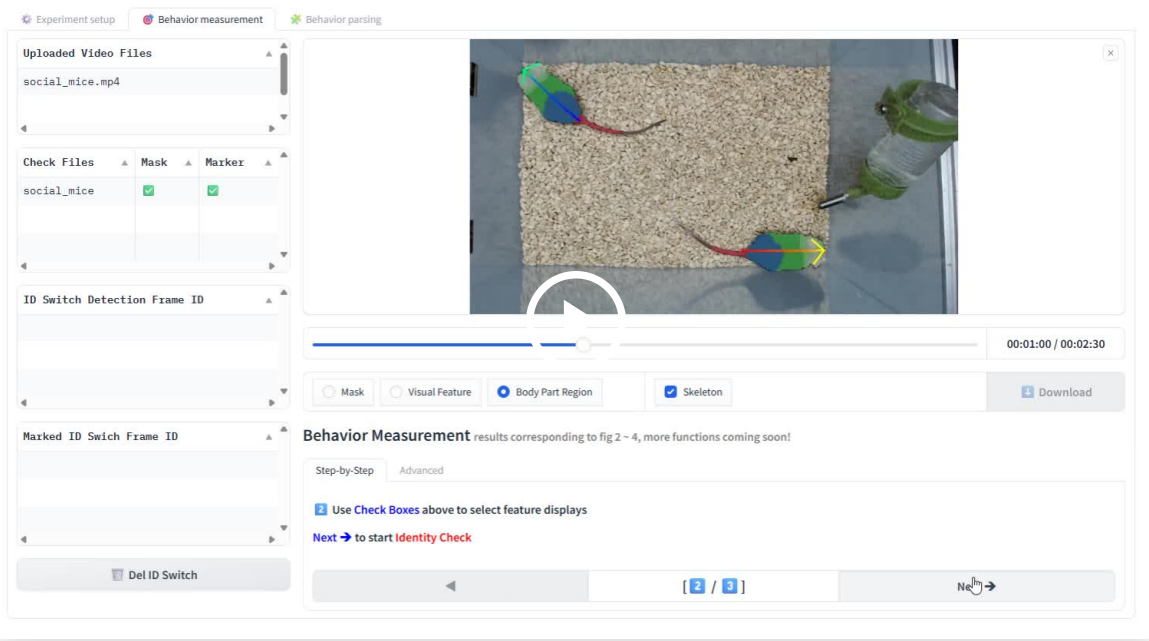
5m



3 Result Display



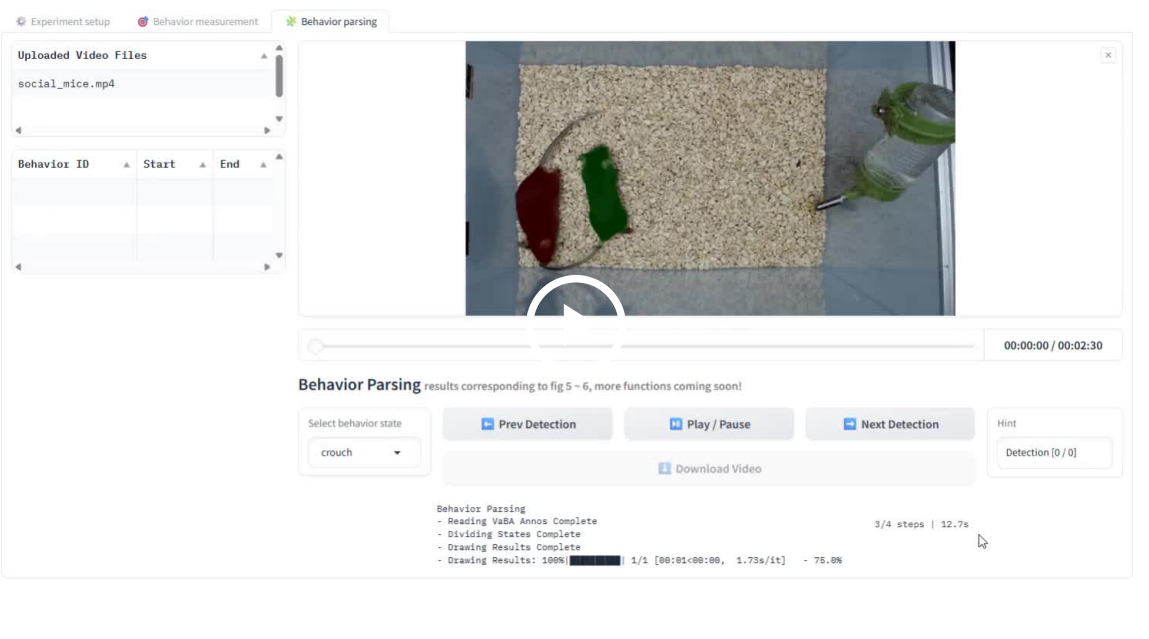
4 Identity Check



Behavior Parsing

1m

5 Automated Behavior Parsing



6 Result Display

Experiment setup

Behavior measurement

Behavior parsing

Uploaded Video Files

social_mice.mp4

Behavior ID	Start	End
1	387	390
2	443	452
3	780	825
4	1389	1396
5	696	700
6	711	713
7	823	827
8	853	865
9	1427	1454
10	1464	1467
11	1476	1480

investigating

investigating

00:00:00 / 00:02:30

Behavior Parsing

results corresponding to fig 5 - 6, more functions coming soon!

Select behavior state

crouch

Prev Detection

Play / Pause

Next Detection

Download Video

Hint

Detection [2 / 11]