



### Version 2026.1.1 (March 2026)

#### NEW FEATURES AND ENHANCEMENTS

##### Train your own custom detectors using animal-pose estimation tools

The new Train workflow enables you to create and refine AI detectors that use computer vision to identify and track objects in videos using animal-pose estimation tools.

- Train custom object detectors specific to your unique research needs with species-agnostic, user-friendly tools.
- Maintain object identity over time, even when animals overlap, or exhibit complex motion or occlusion.
- Your custom detectors can be used alongside the WormLab worm-tracking engine, enabling you to track multiple organisms or objects simultaneously and conduct more complex experiments, even multi-species detection and tracking.

##### New Analysis Tool: Object Colocalization

Detect interactions or events between different tracked objects.

- Measure spatial and temporal overlap between any detected object types.
- Identify biologically meaningful events based on object proximity. For example, detect egg-laying events by identifying when a worm overlaps with the start of a new egg track.
- Colocalization results integrate with existing analysis, filtering, and visualization tools, making it easier to extract behavioral events from complex datasets.

##### New data acquisition tool: Segmented recording with user-defined intervals

Ideal for long experiments where continuous recording is unnecessary or where periodic sampling is preferred.

- Automatically capture recordings in repeating segments, separated by defined time intervals.
- Ideal for long experiments where continuous recording is unnecessary or where periodic sampling is preferred.
- With segmented recording, you define the segment duration, the interval between recording segments, and the total experiment duration.

#### ISSUES RESOLVED

Fixed an occasional stability issue that occurred when displaying swimming analysis results.

Running multiple instances of WormLab simultaneously is now prevented to improve system stability.

Resolved discrepancies between *Direction Analysis* export files and table values.

Fixed an issue in which *Angle Range* restriction in *Direction Analysis* affected plots but not tables.

Added improved feedback when connection to the QLM license server times out, enabling extended wait times.

Corrected label-property reporting for circle and rectangle annotations.

Added a prompt to use the legacy DLC server if QLM activation fails.

Fixed an issue where *Track Summary by Label* could include portions of tracks outside the labeled region.

Mouse pointer coordinates are now displayed in the status bar.

Resolved a rare dataset corruption issue that occurred when deleting individual worms after tracking.

Fixed a rare crash that occurred during *Moving Average* and *Smoothed Speed* analyses.