

ChronoRoot Screening App

A dark blue diagonal gradient bar that starts from the bottom left and extends towards the top right, covering the lower half of the slide.

ChronoRoot Screening Interface

Analysis

Results

Reports

Project Settings

Project Directory:

Browse

Video Directory:

Browse

Analysis Identifier:

analysis_name

Time between slices (minutes):

60

Calibration Settings

☐ Video has QR codes for calibration

Known distance (mm):

10

Corresponding pixels:

100

Open Calibration Helper

Group Names

Group 1 Name:

Group 1

Number of Seeds:

Optional

Remove

Group 2 Name:

Group 2

Number of Seeds:

Optional

Remove

Group 3 Name:

Group 3

Number of Seeds:

Optional

Remove

Add Group

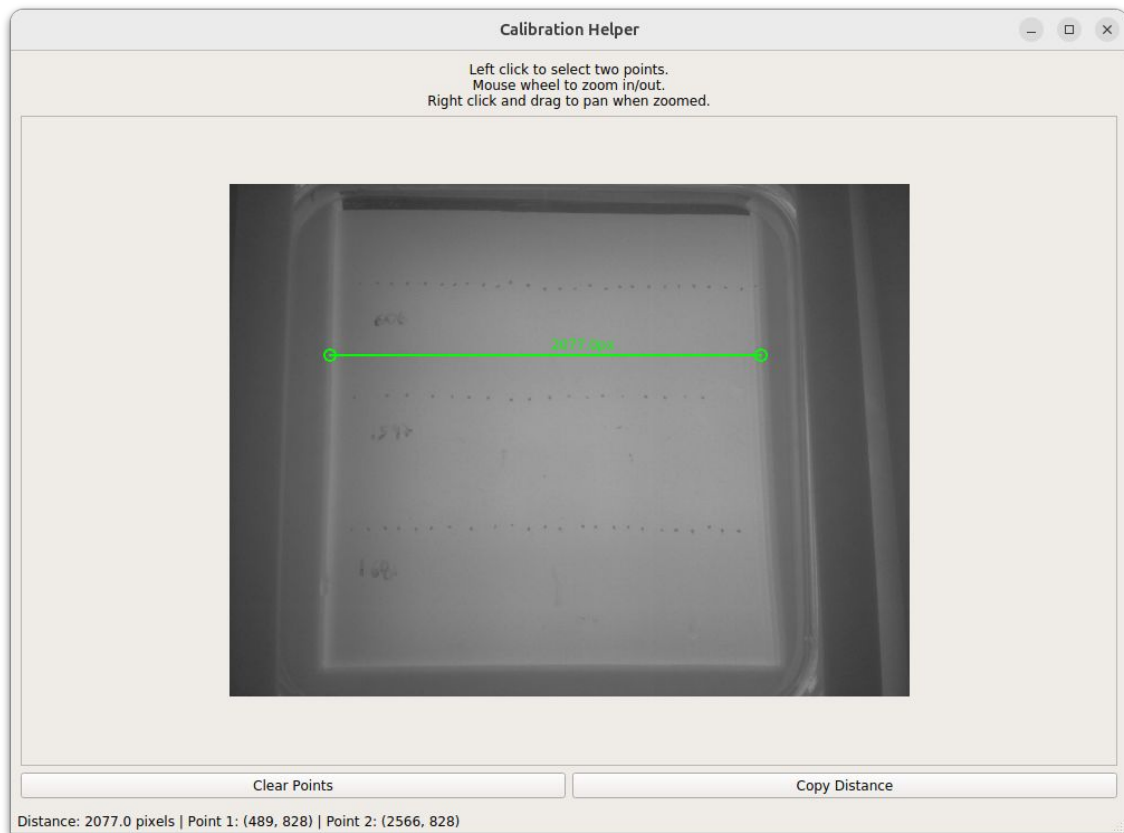
☒ Show tracking visualization

Preview Video

Process Video

Post-process Results

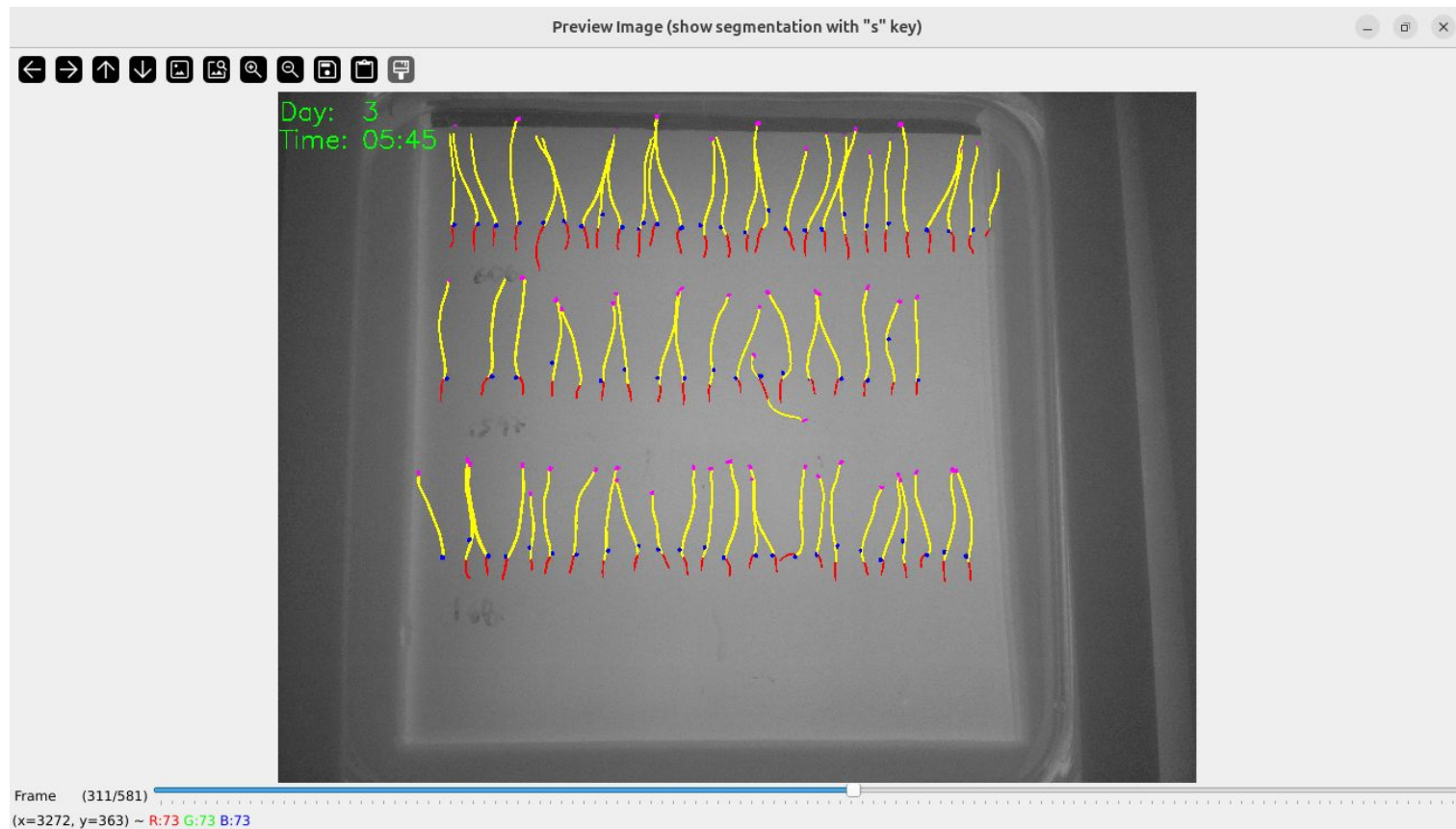
Main Screen with project settings, per-video calibration settings and groups of plants present in the current video



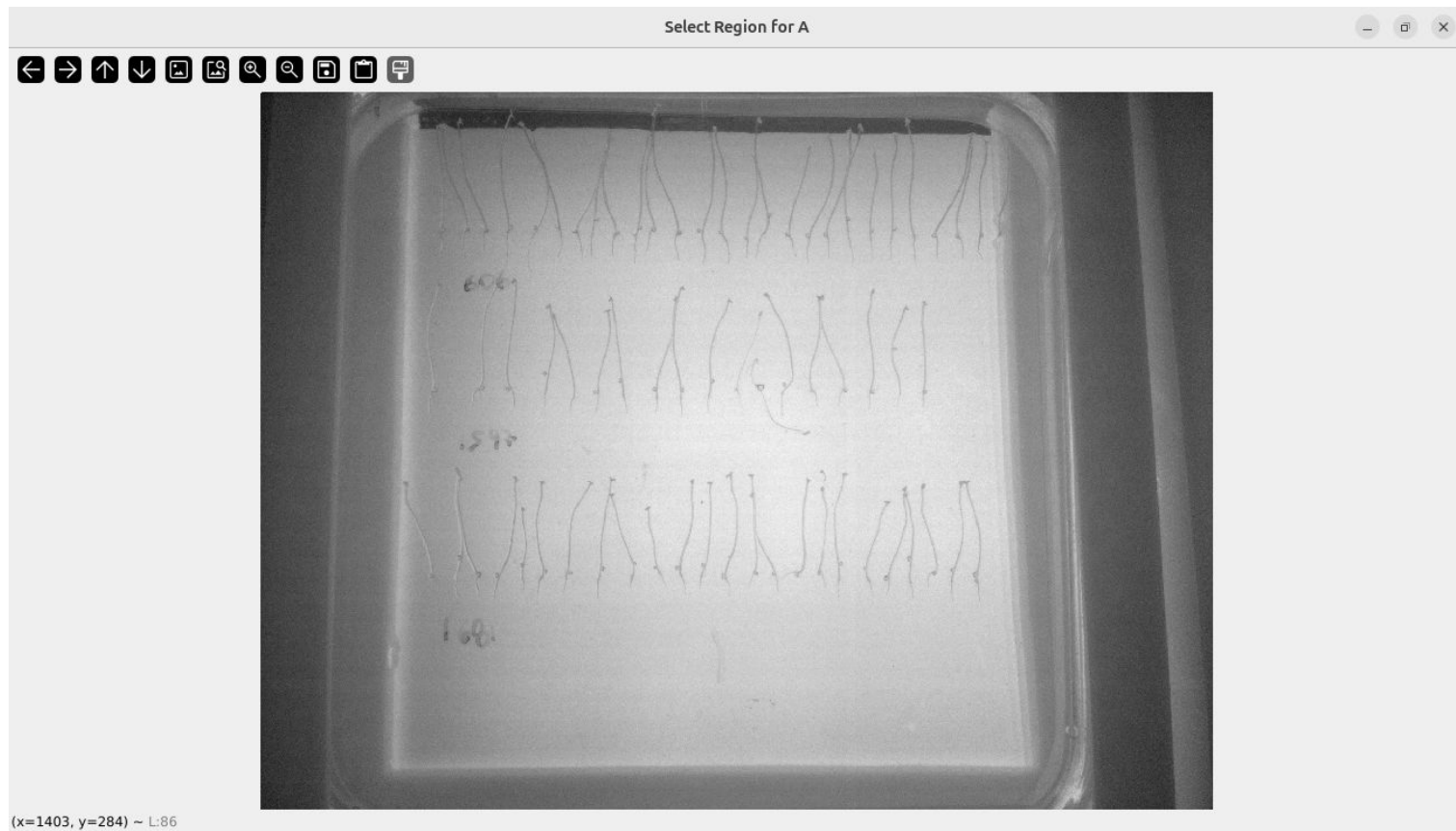
Calibration tool to measure mm-to-pixel distances in case there are not QR codes present



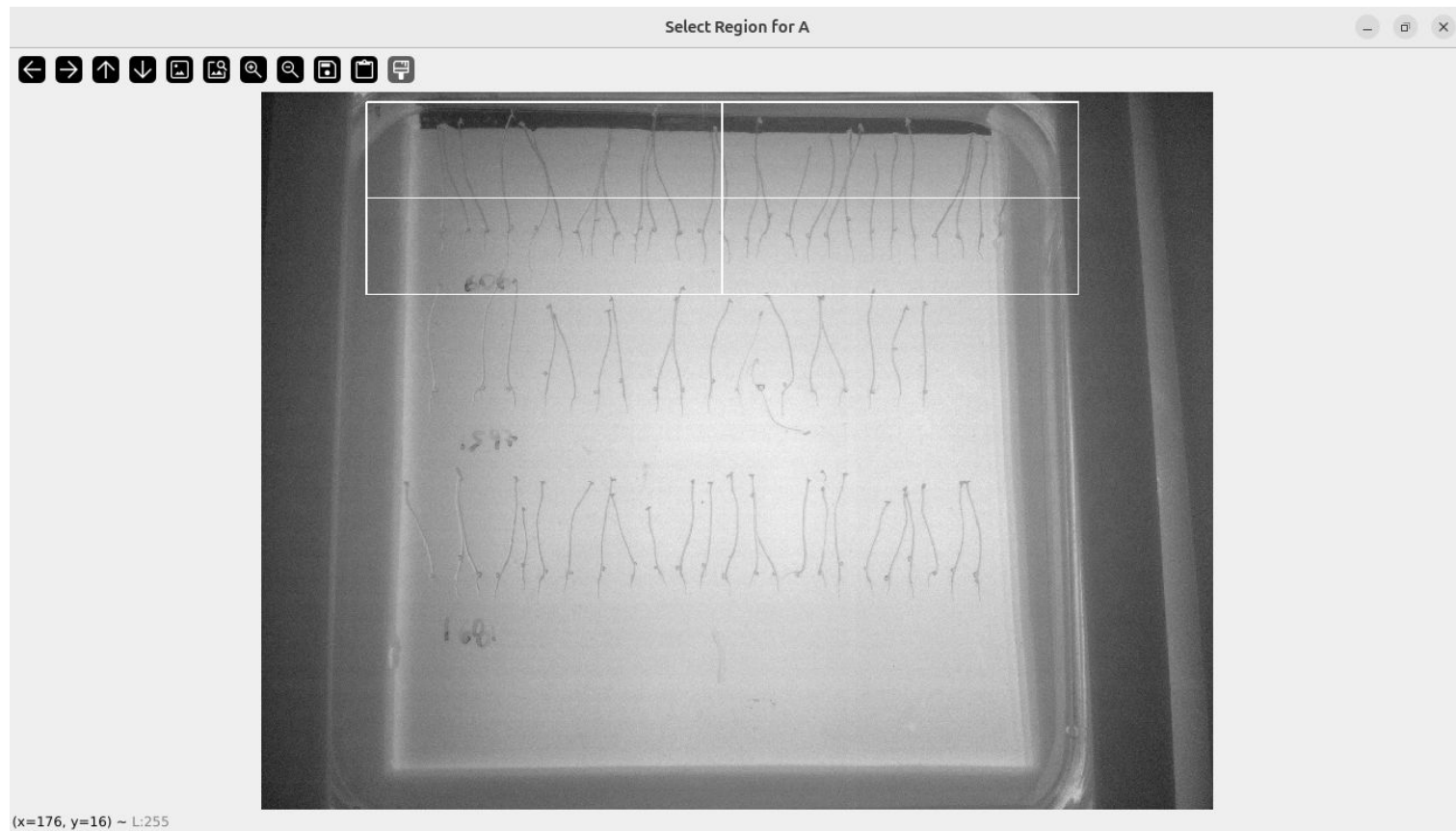
Preview video tool to check the segmentation quality



Preview video tool to check the segmentation quality, with overlay activated



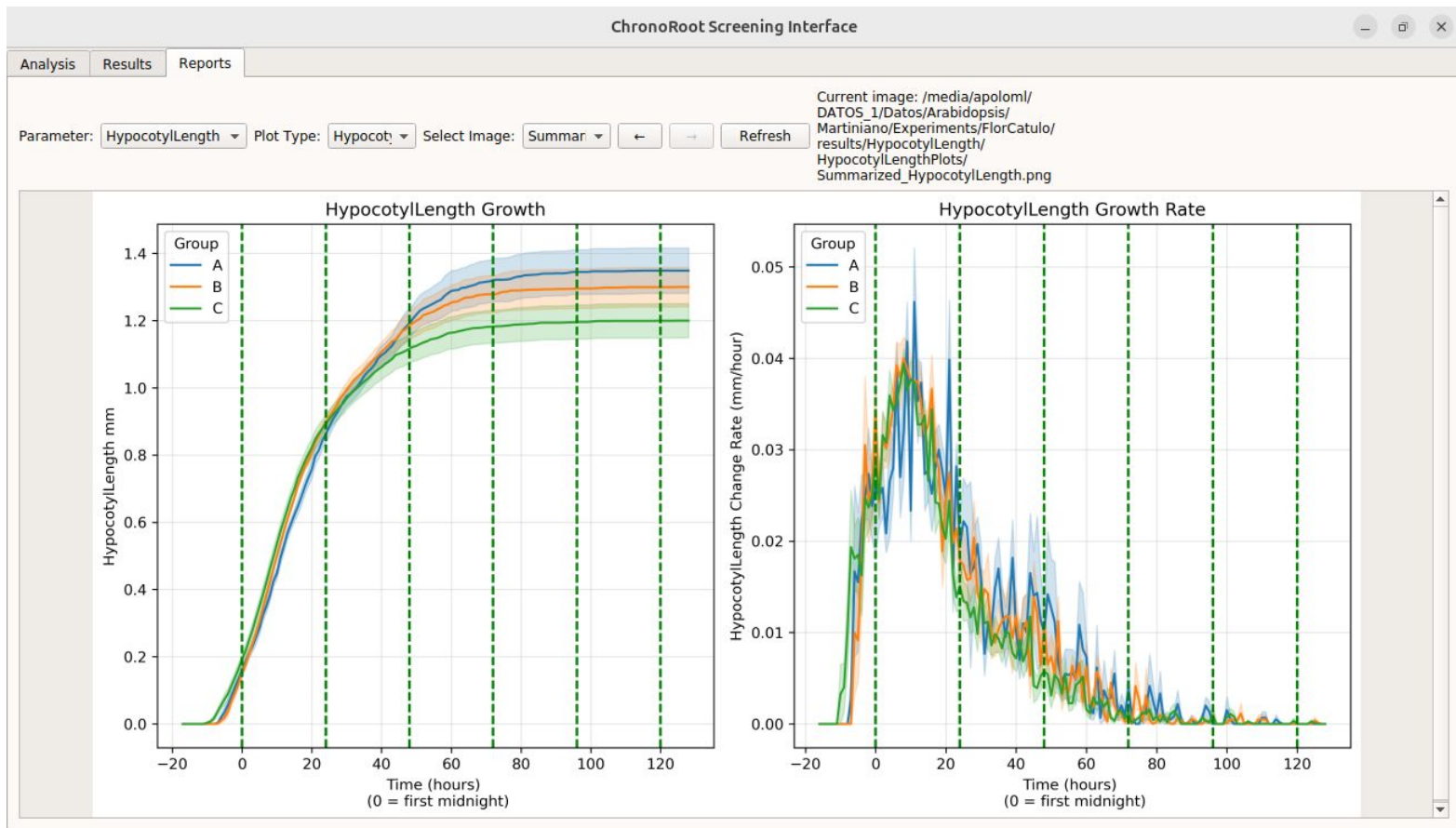
Region Selector tool, to separate different varieties within a same image



Region Selector tool, to separate different varieties within a same image

ChronoRoot Screening Interface						
Analysis Results Reports						
Refresh Results Auto Refresh: Off						
Analysis ID	Groups	Num Groups	Start Time	Completion Time	Status	
1 Video_1	A, B, C	3	2025-01-30 12:20:25	2025-01-30 12:24:43	Complete	
2 Video_51	A, B, C	3	2025-01-30 11:55:40	2025-01-30 11:56:33	Complete	

Results tab, including the different analyses, status and completion time



Reports tab, including the preview of the different images generated in the data post-processing