# Supplementary File 4: box and distribution plots of linear mixed effects model adjusted means for *O. glaberrima* and *O. sativa*

This file shows the trait density distributions for *O. glaberrima* and *O. sativa* for each phenotypic trait measured. The plots show the adjusted means generated from a linear mixed effects model, used to account for temporal and spatial variation introduced through measuring the *O. glaberrima* accessions is batches over a 5-month period.
The analysis was competed using R-Studio. The boxplots show the median and interquartile range. The mean is represented by the diamond and outliers by grey coloured stars. Supp. Files 1-2 accompany this document, whereby the descriptive statistics for both species are presented.
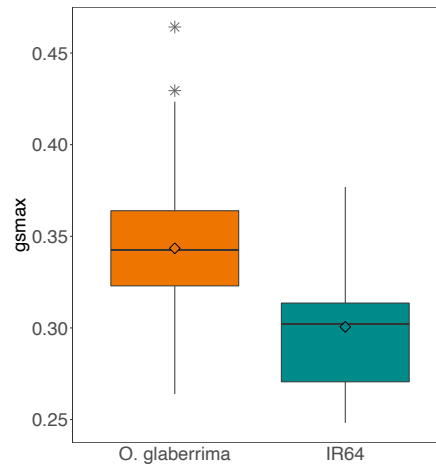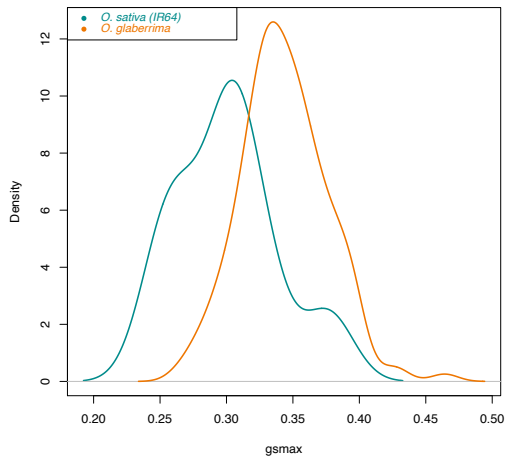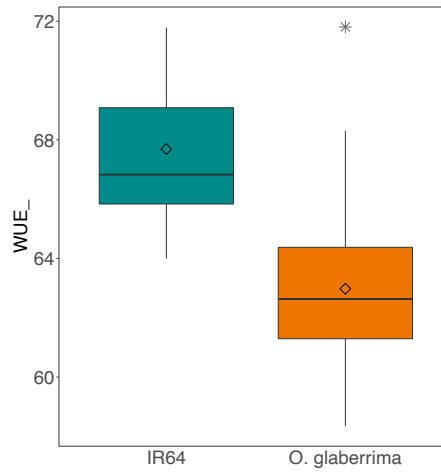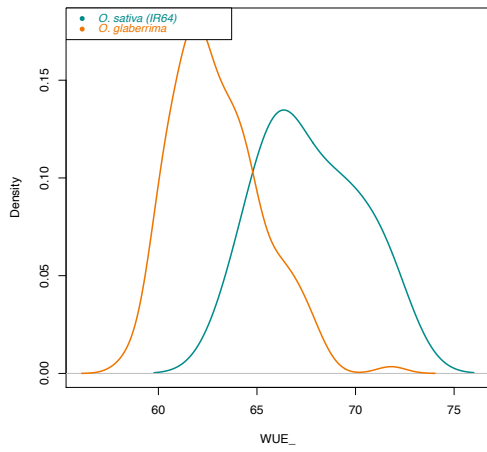
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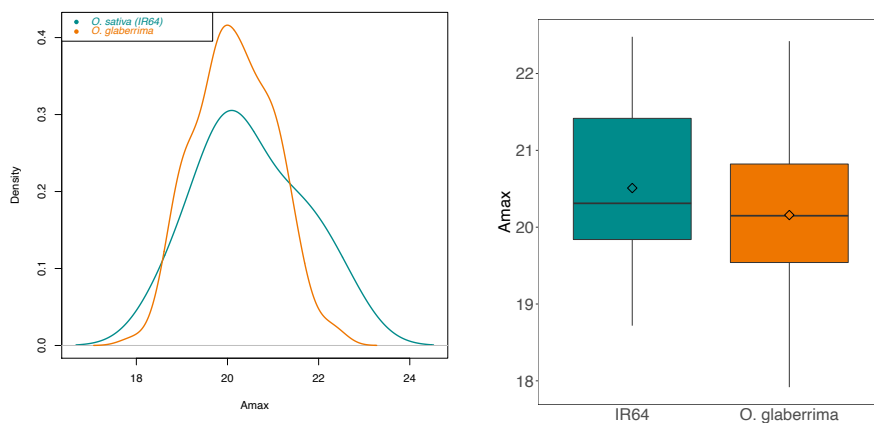


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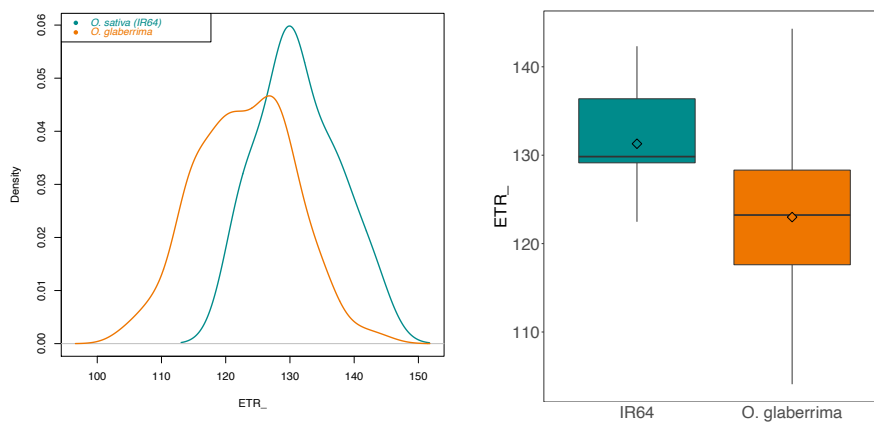
$gs_{max}$



$\textbf{iWUE}_{max}$



$\textbf{NPQ}_{max}$
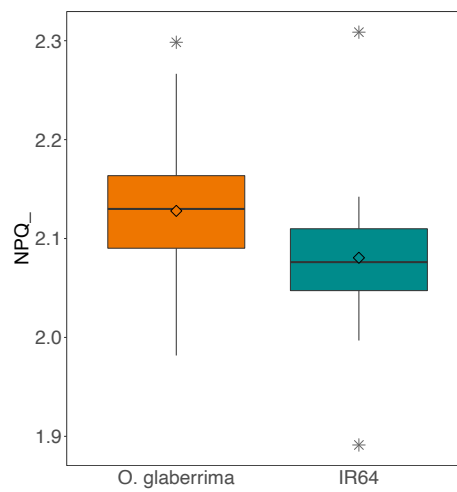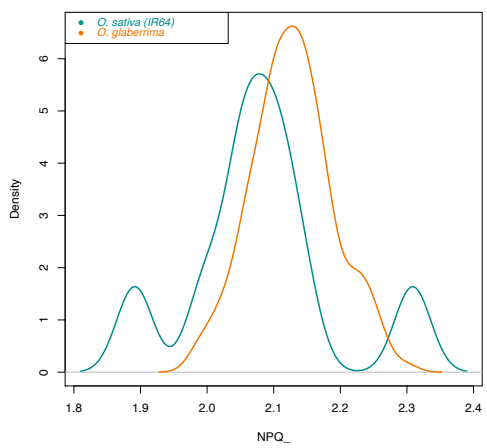
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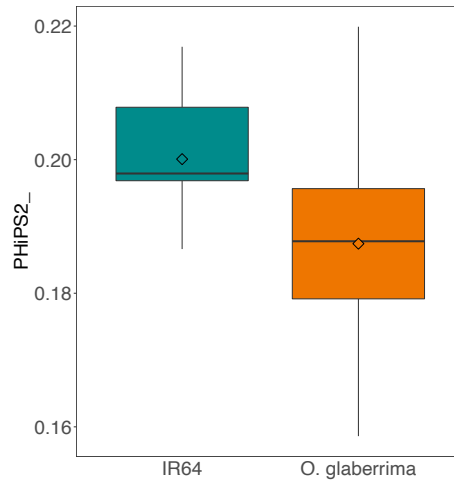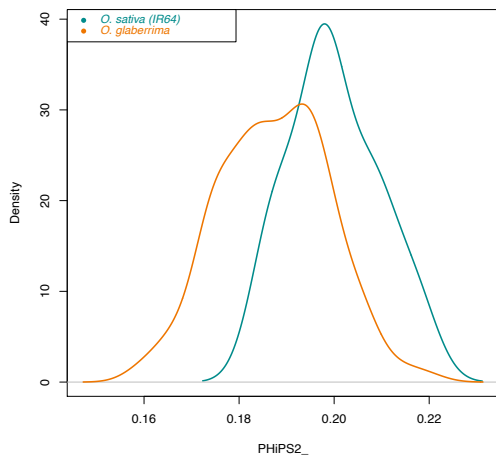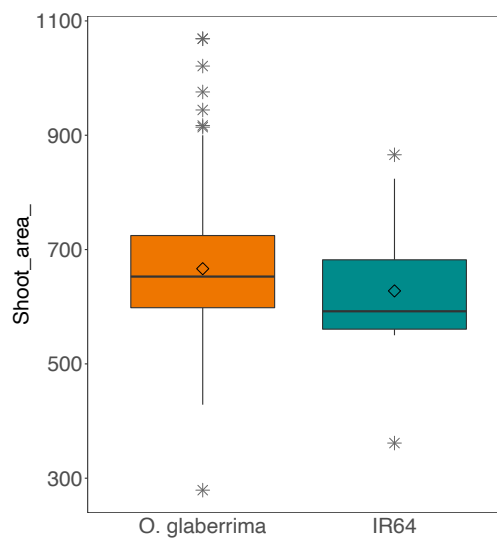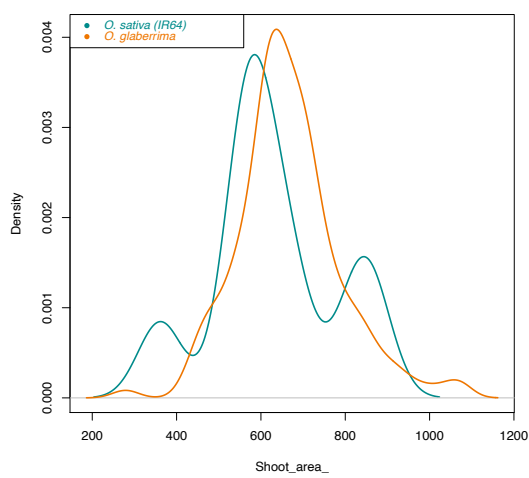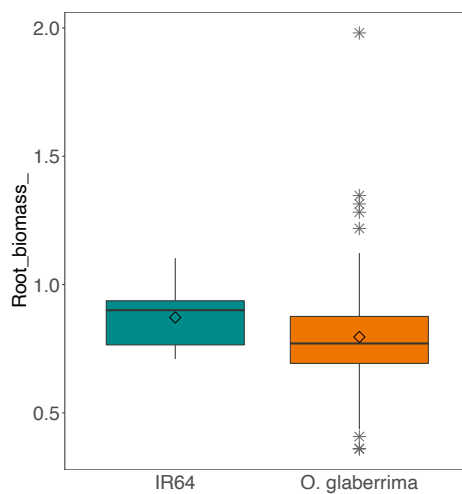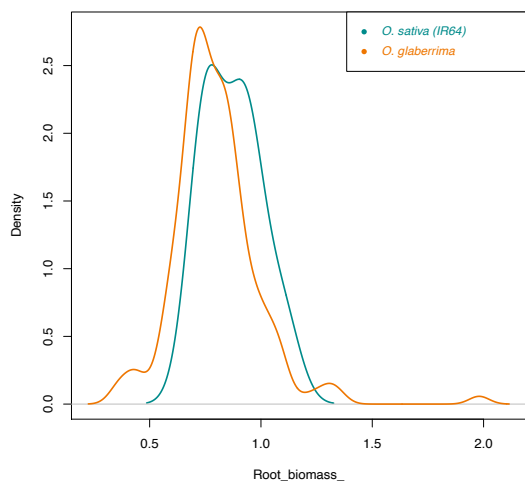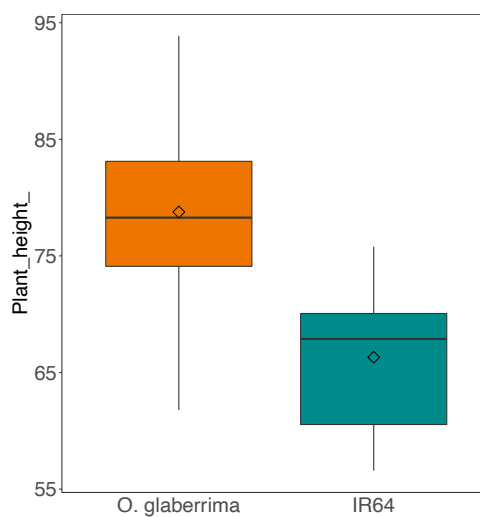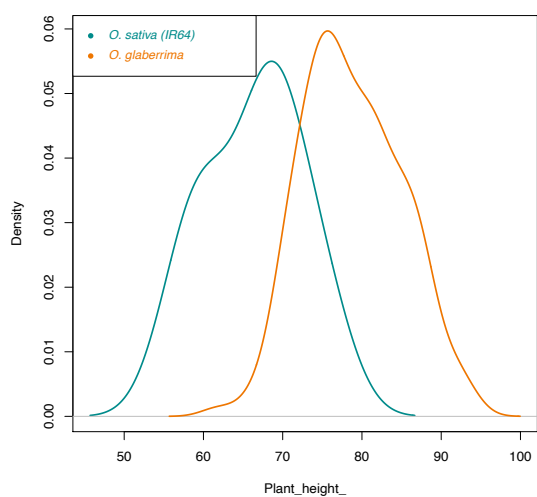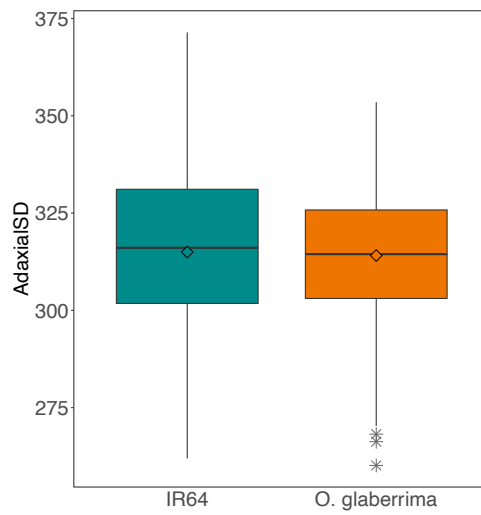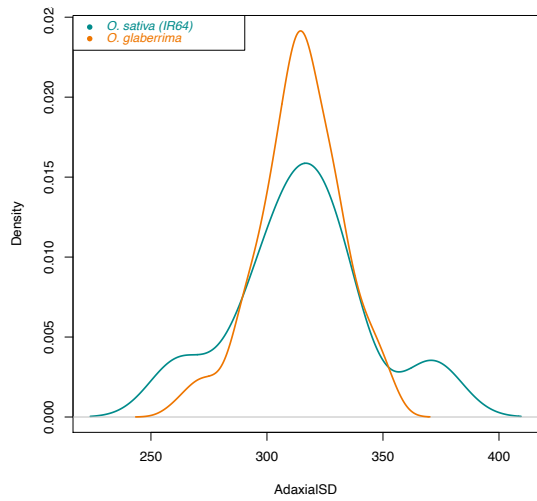


# Trmmol$_{max}$
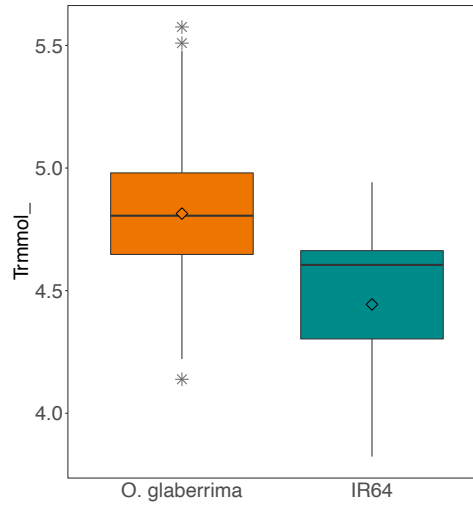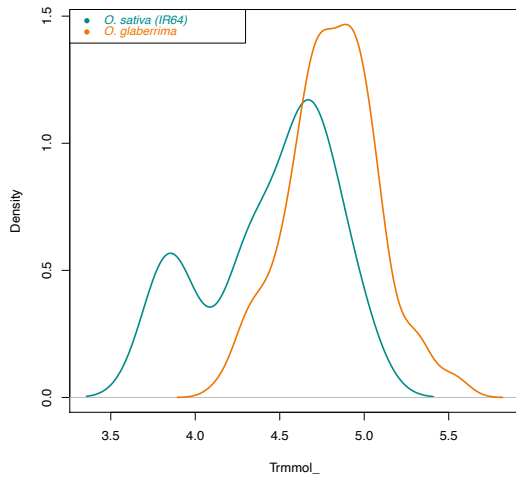


# VPD$_{max}$
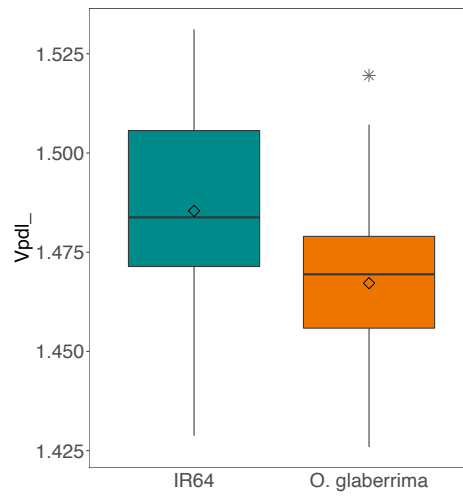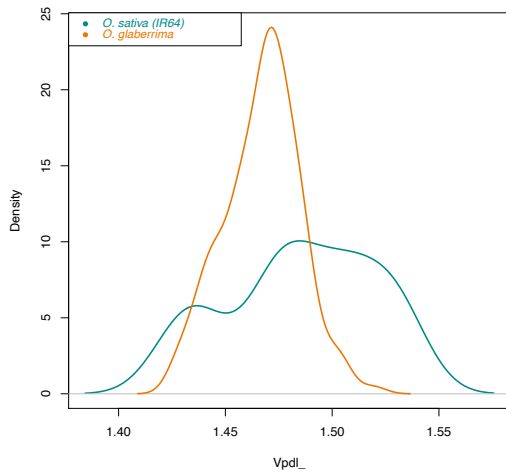
## *Shoot:Root ratio*
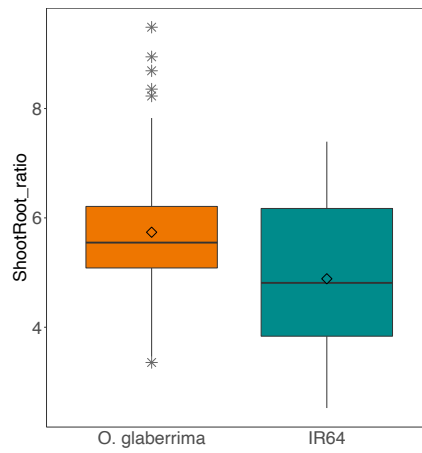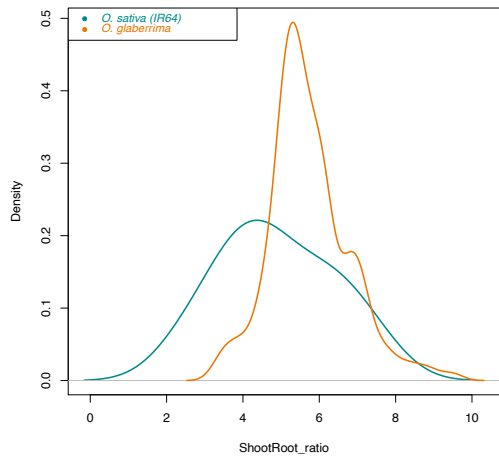


## Shoot biomass
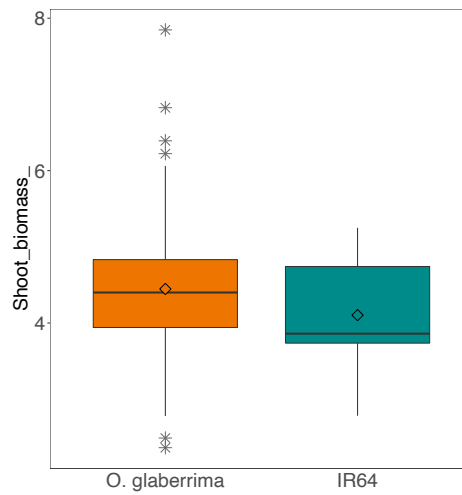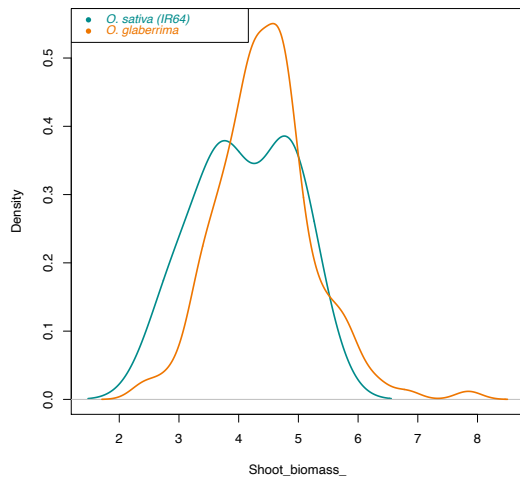


## Shoot area

# Root biomass
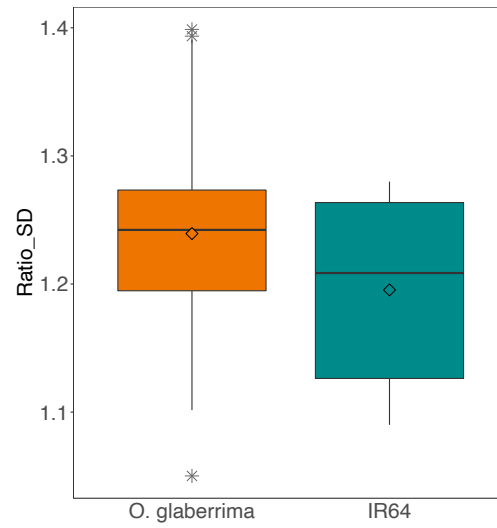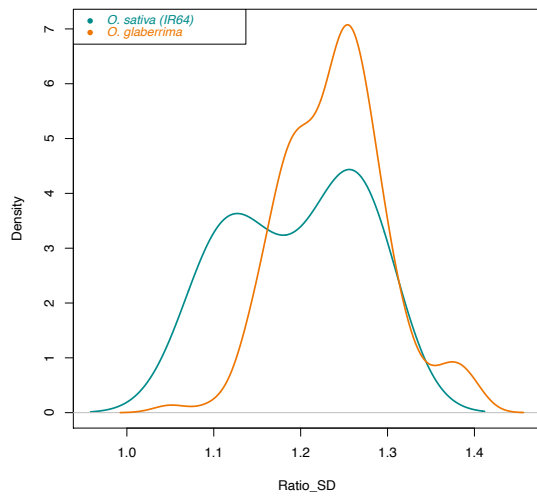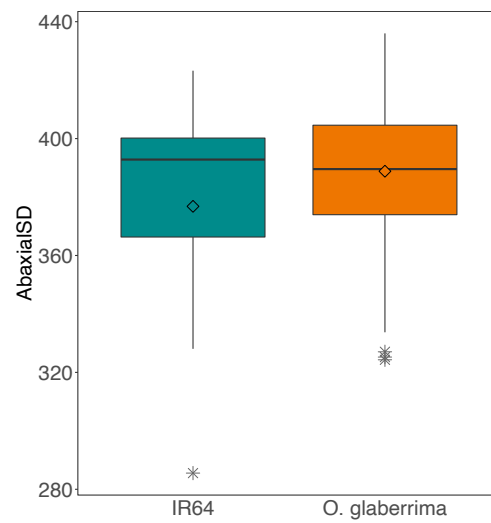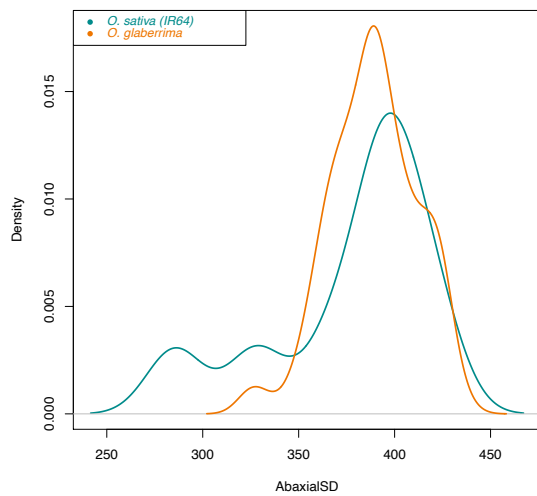


# Plant height



# Adaxial stomatal density

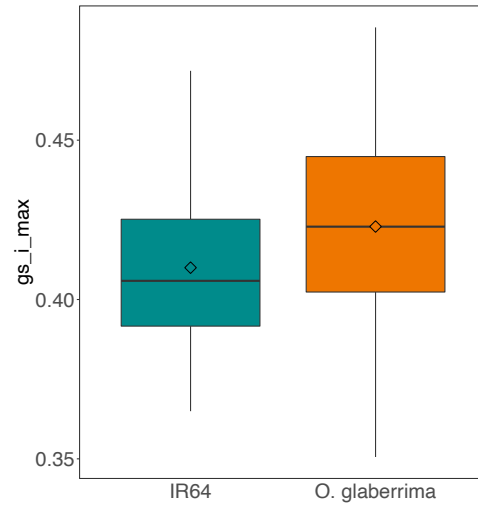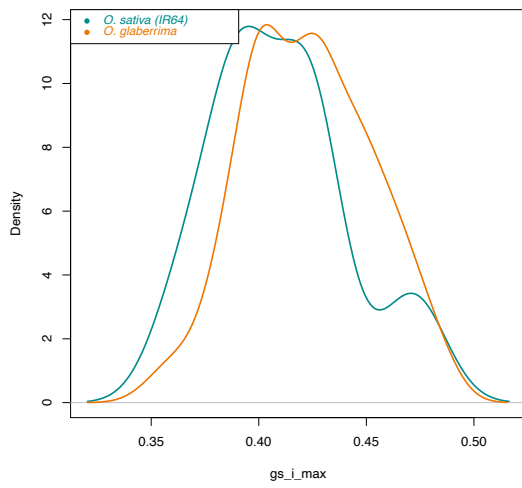## Stomatal density ratio



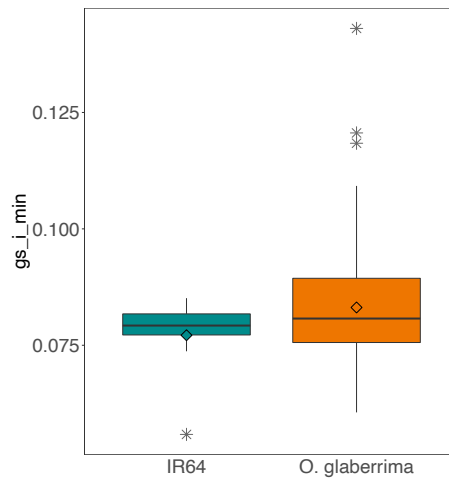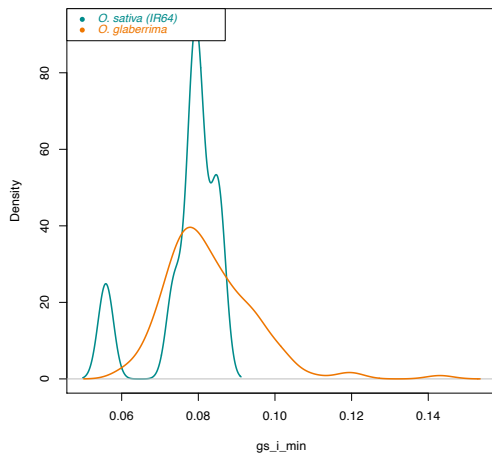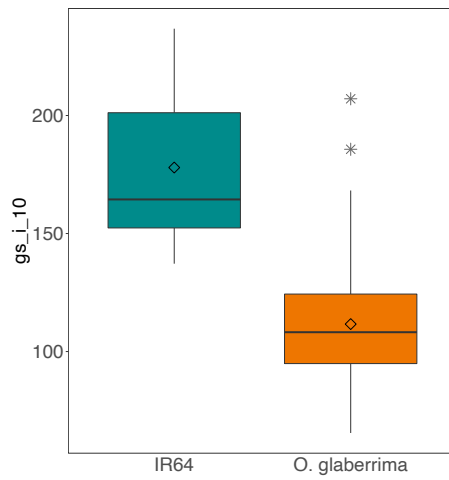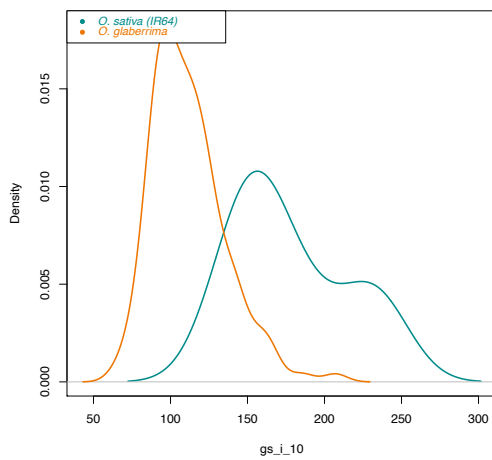## Abaxial stomatal density

# $gs_{i\ max}$



# $gs_{i\ min}$



# $gs_{i\ 10}$



# $gs_{i\ 50}$
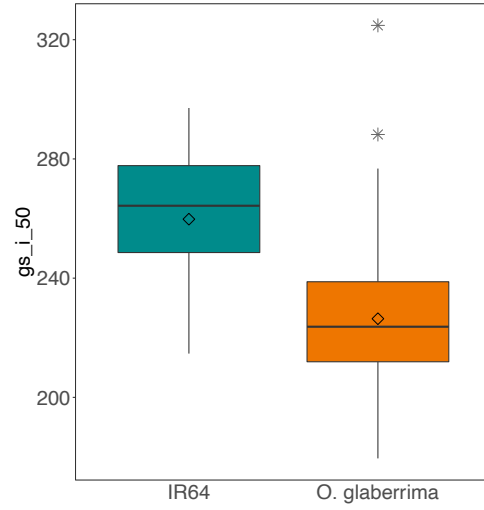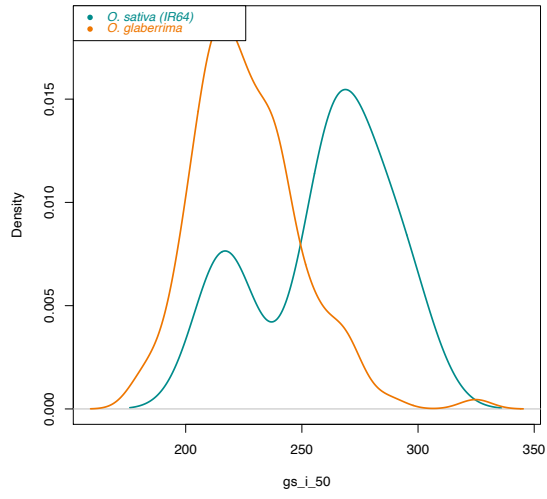
## $gs_{i\,90}$
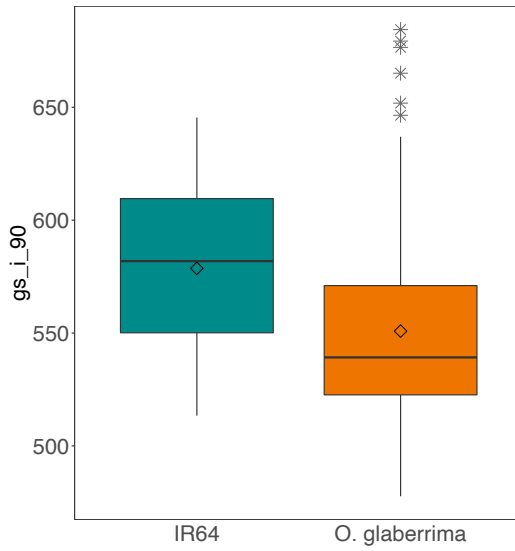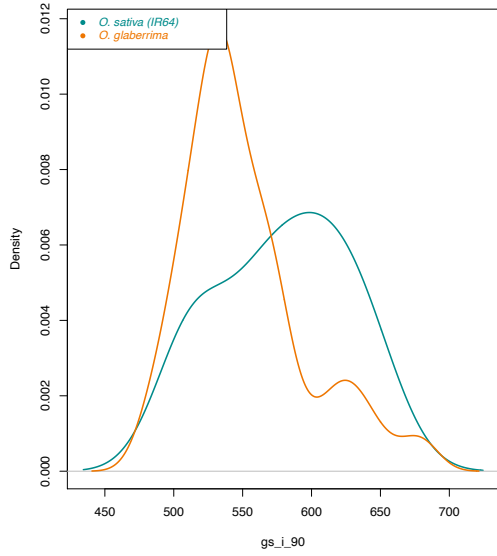


## $gs_{i\,rate}$
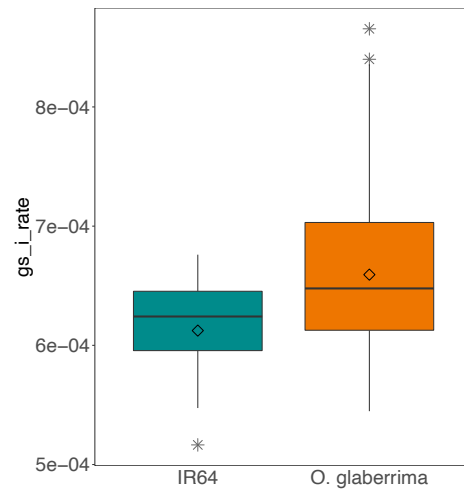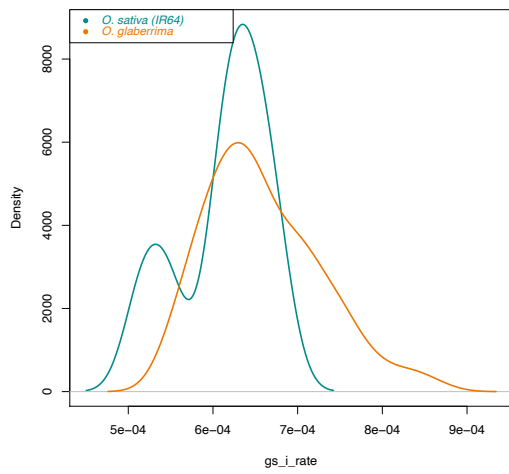
# $gs$i slope
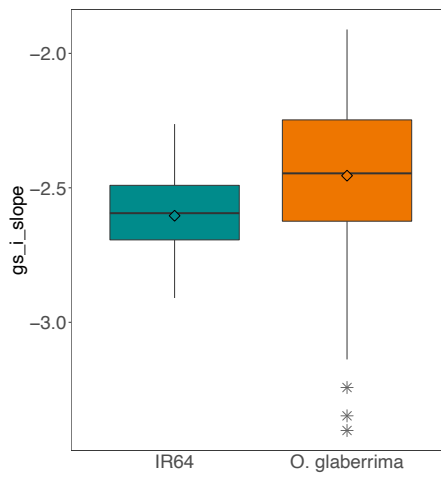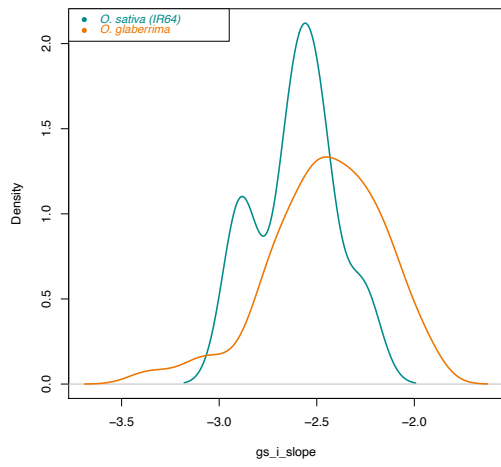


# $A$i min
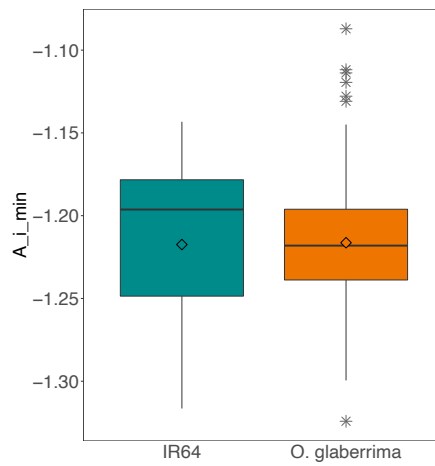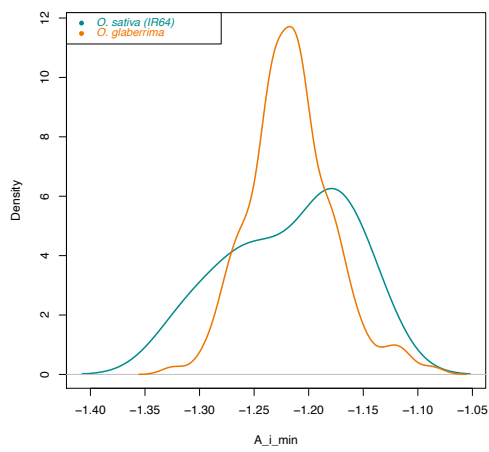


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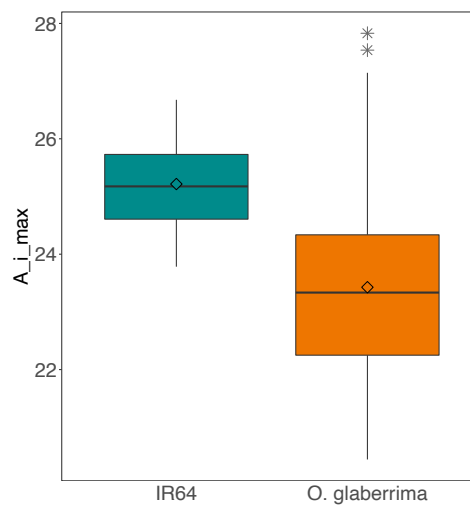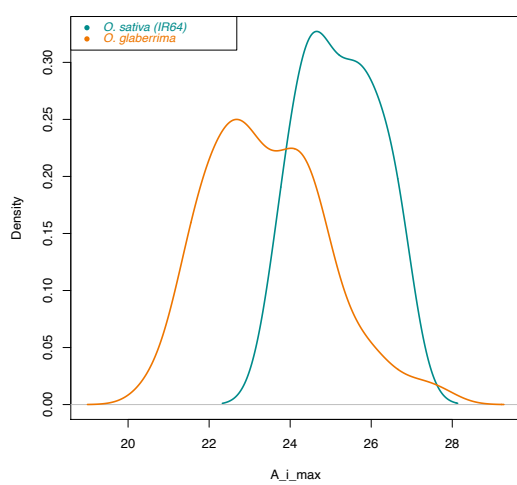


# $A$i 10
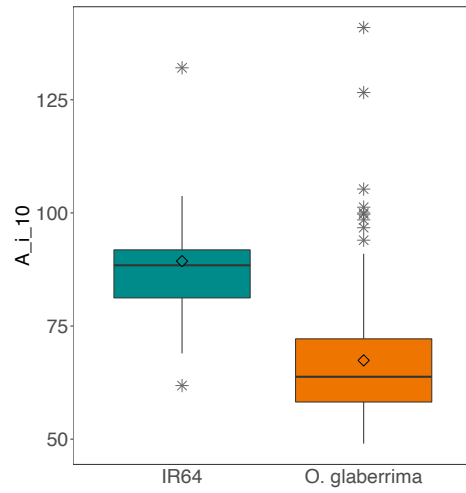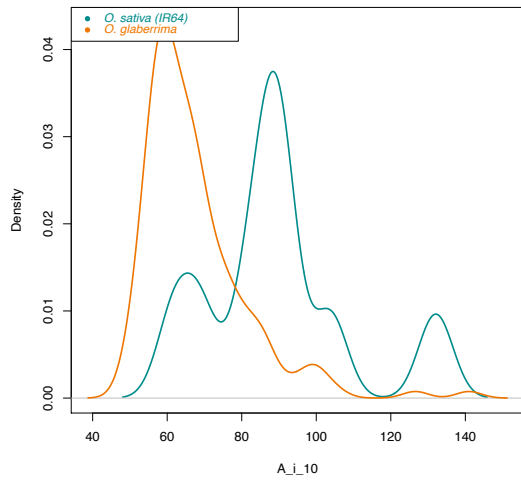
## $A_{\text{i 50}}$
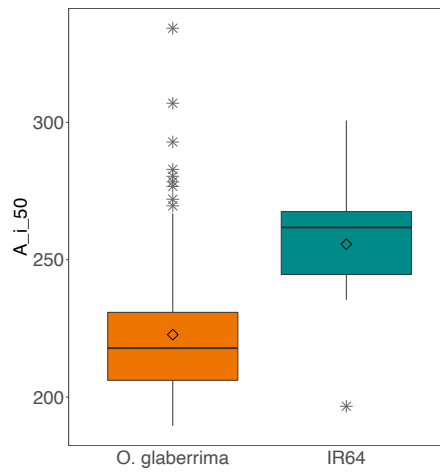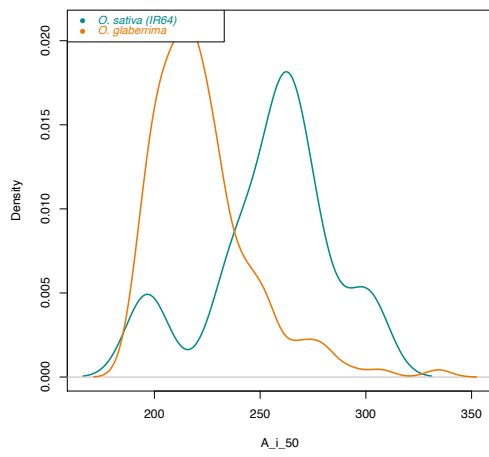


## $A_{\text{i 90}}$
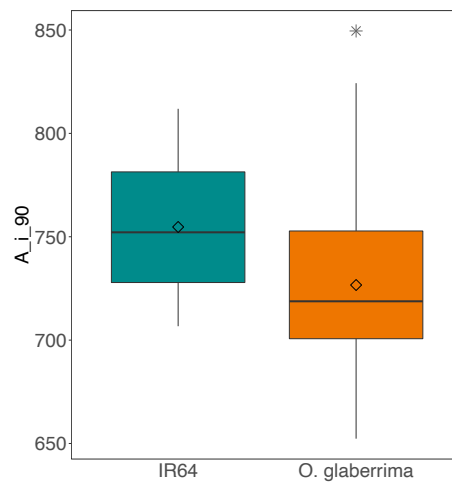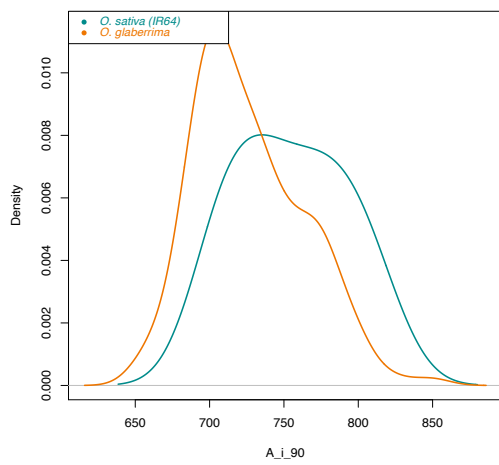


## $A_{\text{i rate}}$
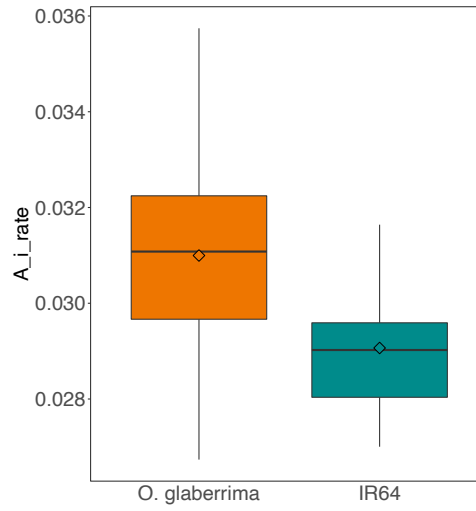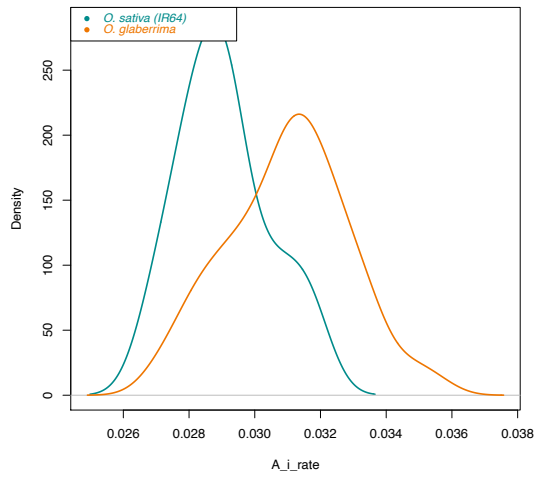
## $A_{\text{i slope}}$
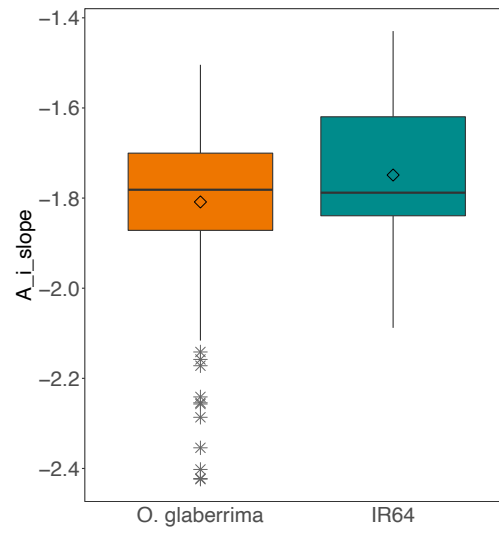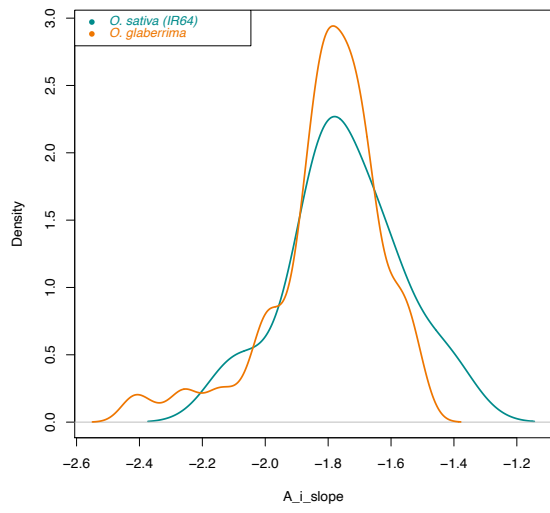


## NPQ$_{\text{i max}}$
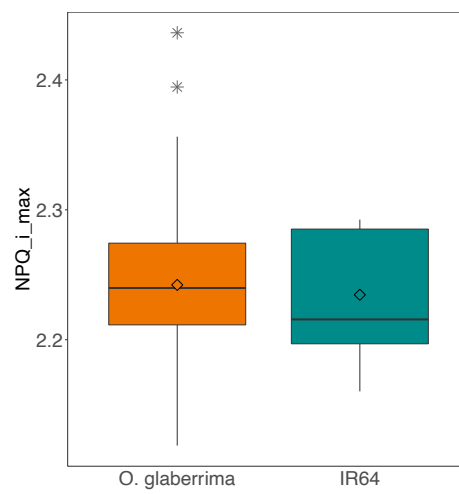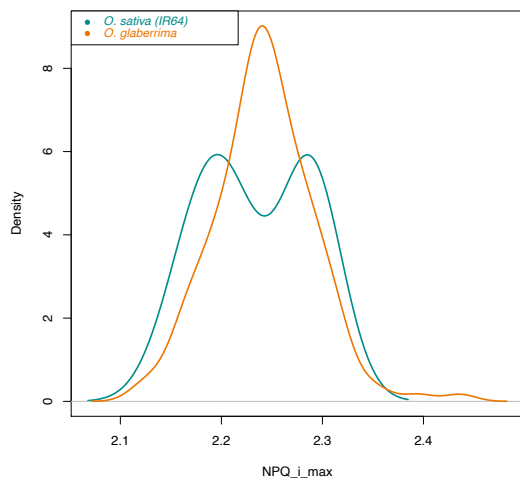
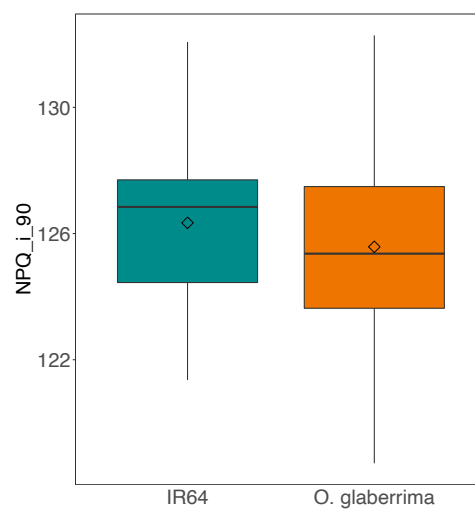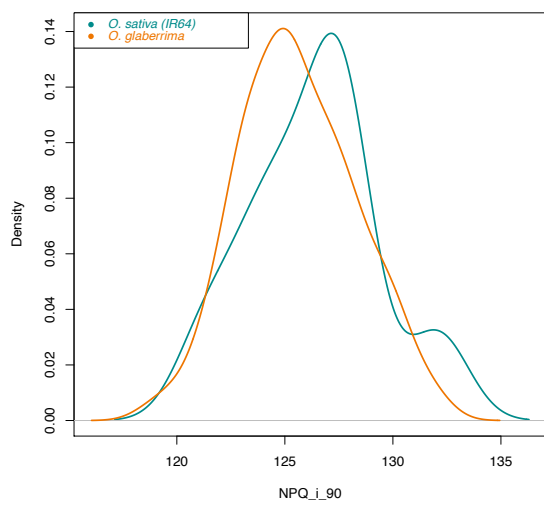# NPQi 10
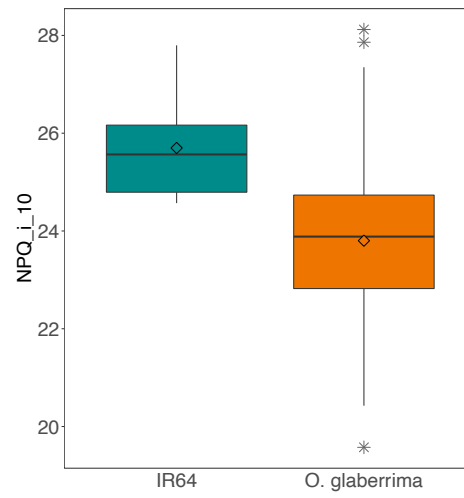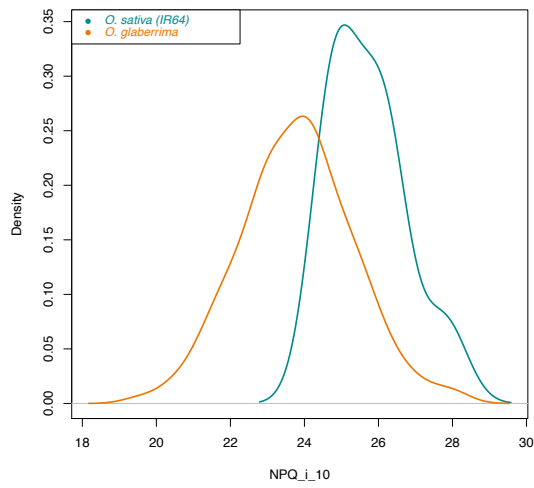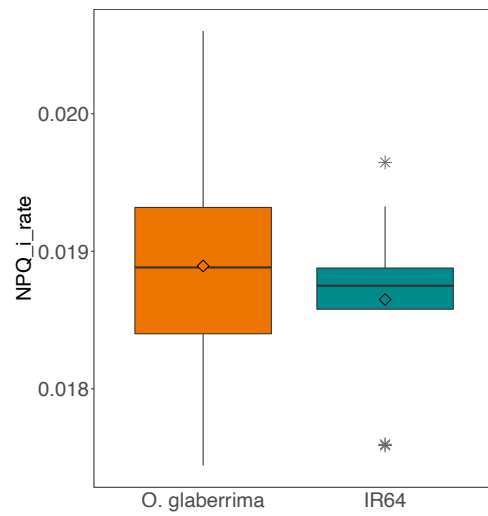


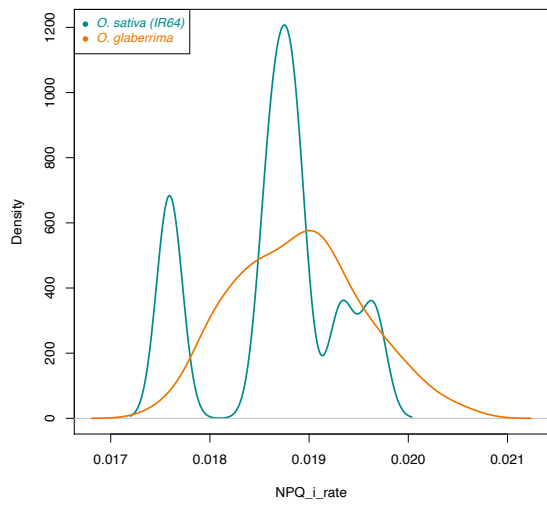# NPQi 50
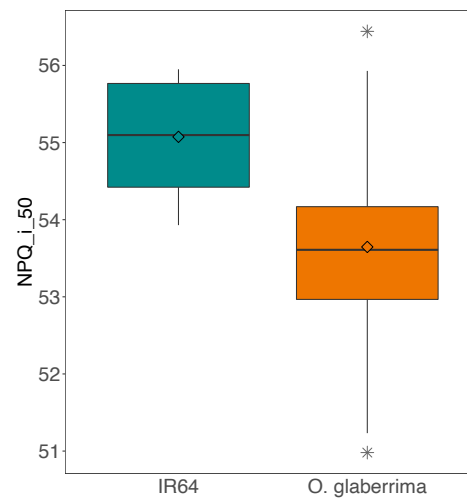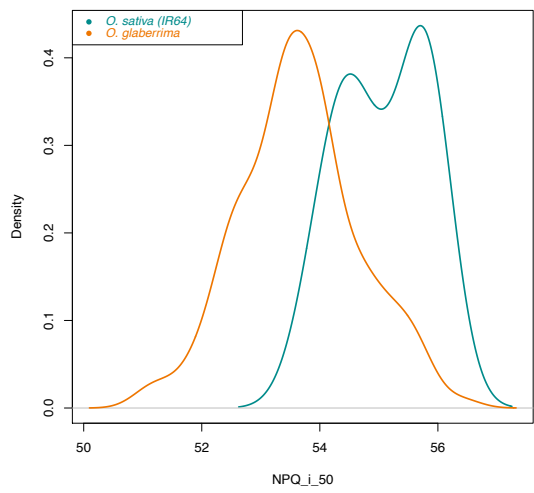


# NPQi 90

# NPQ_{i rate}
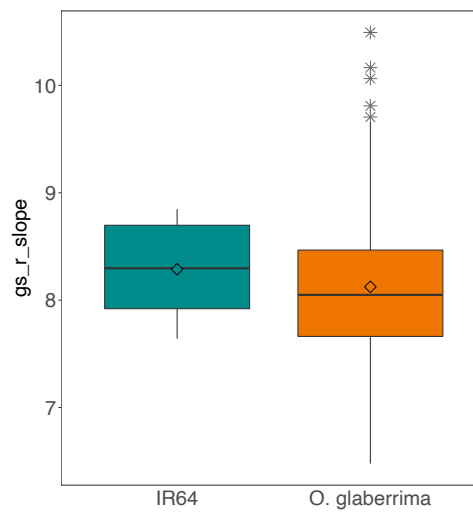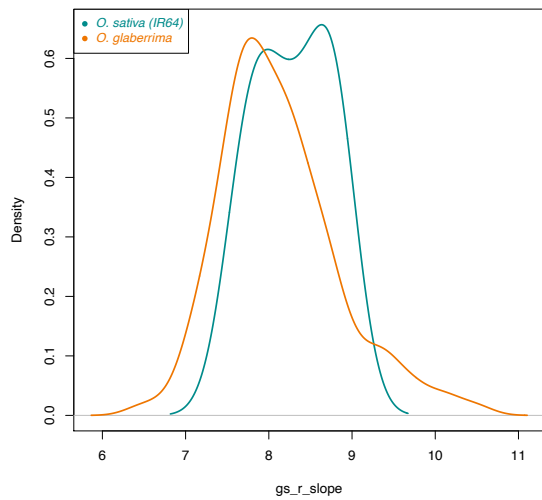


# NPQ_{i slope}



# gs_{r min}

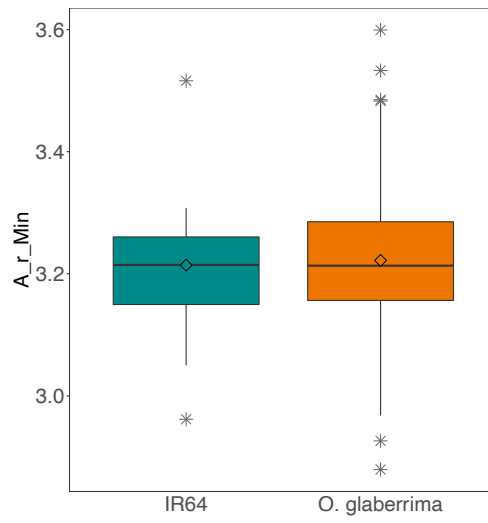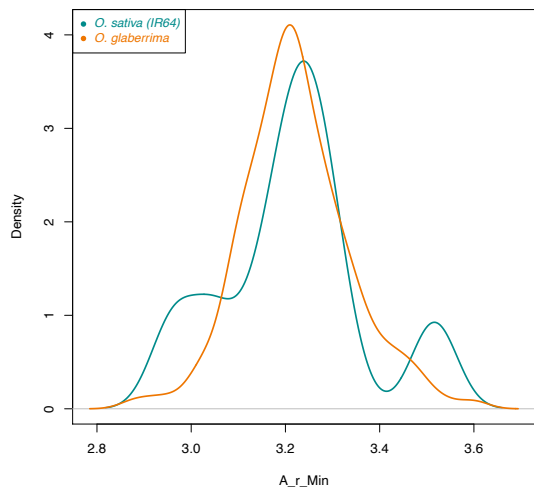

13
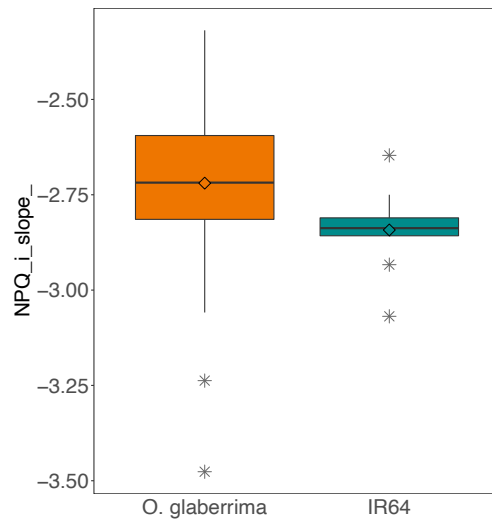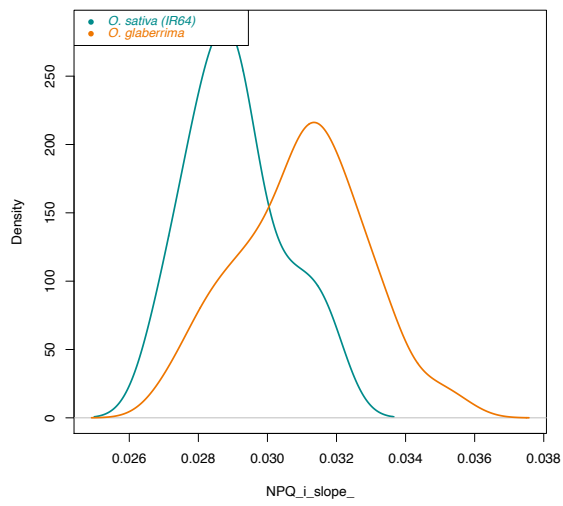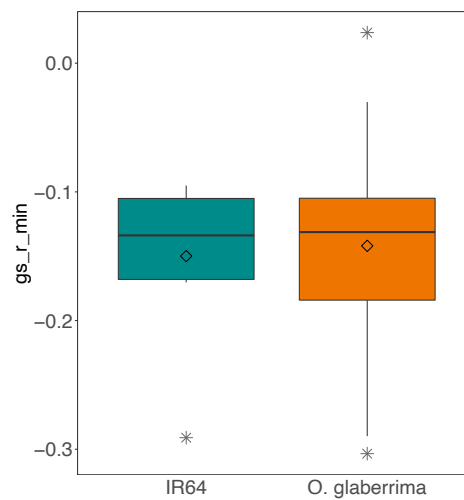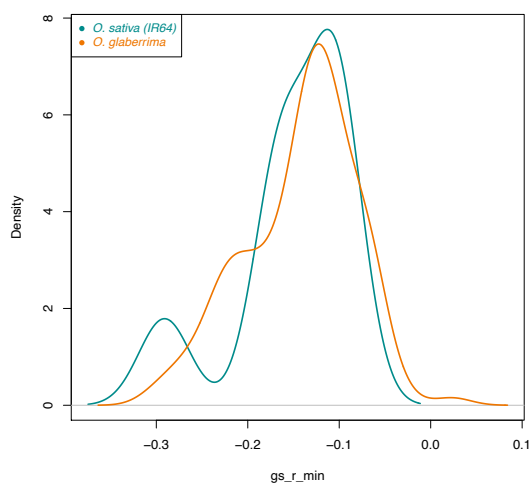
**$gs_{r\ max}$**
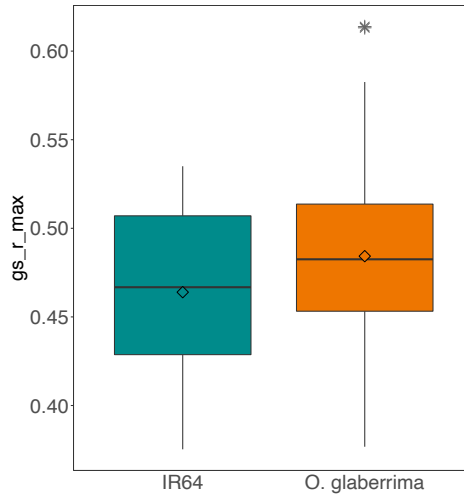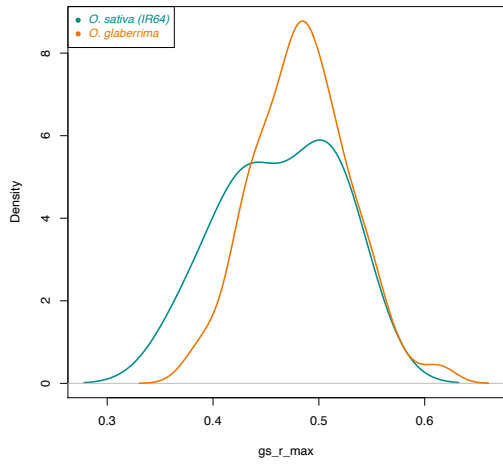


**$gs_{r\ 10}$**
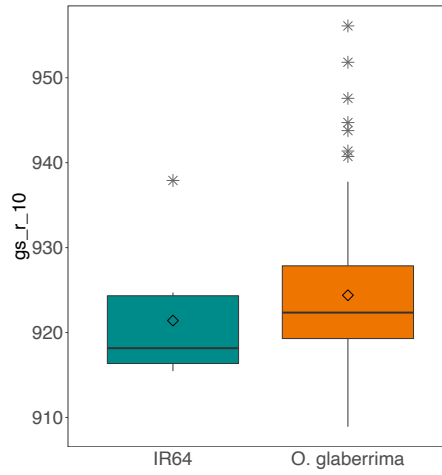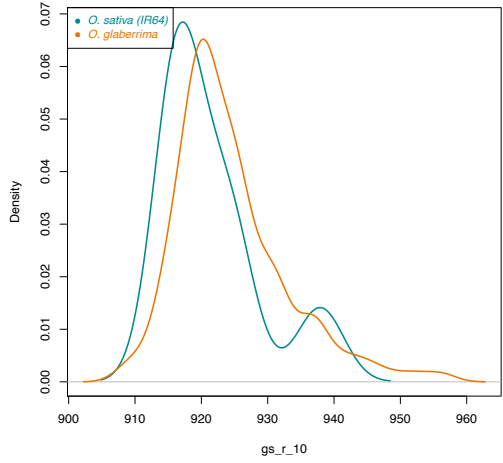


**$gs_{r\ 50}$**
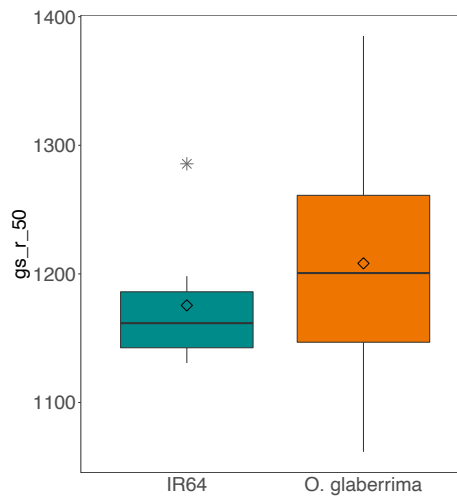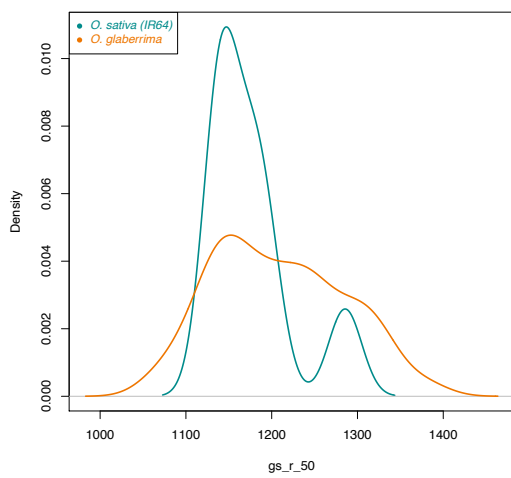


**$gs_{r\ 90}$**
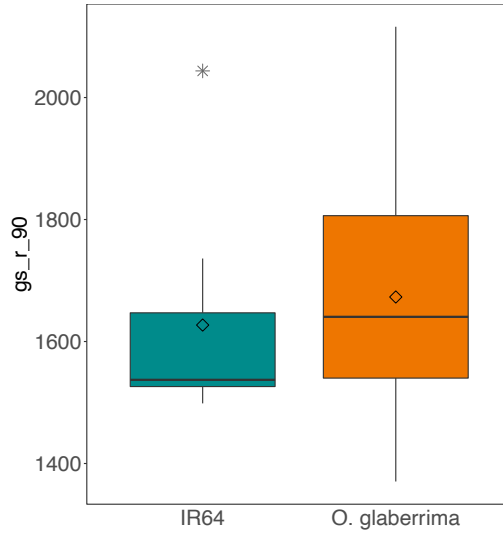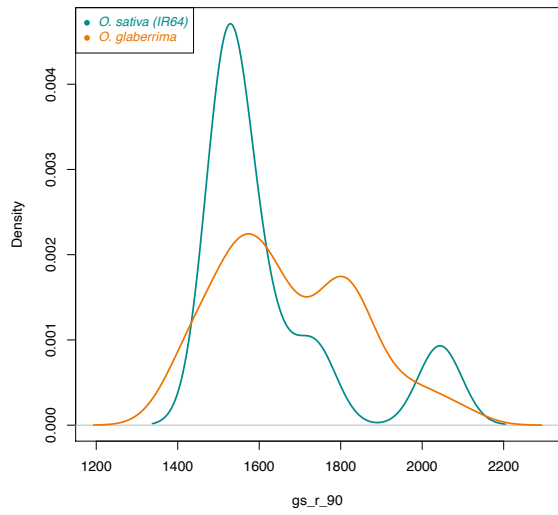
**$gs_r$ rate**
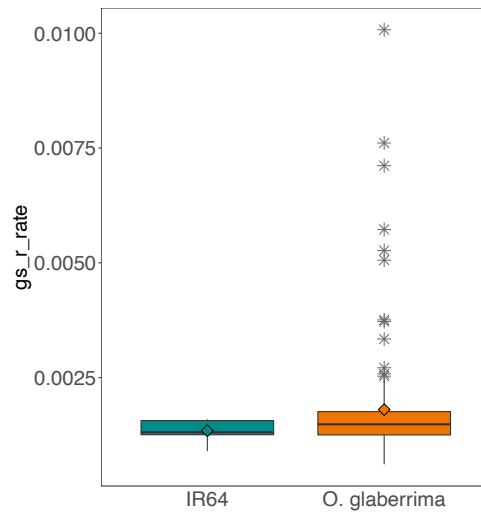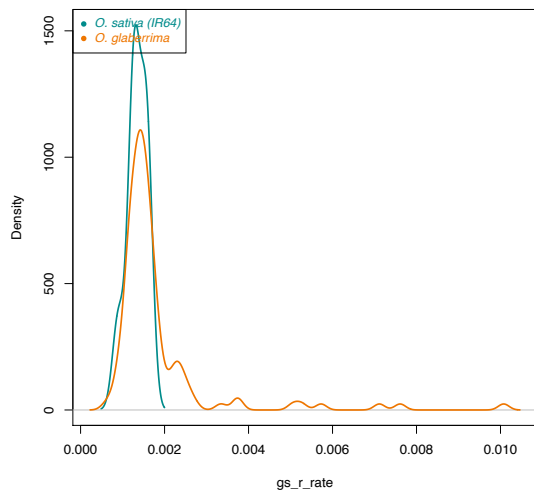


**$gs_r$ slope**

# $A_{\text{r min}}$



# $A_{\text{r max}}$
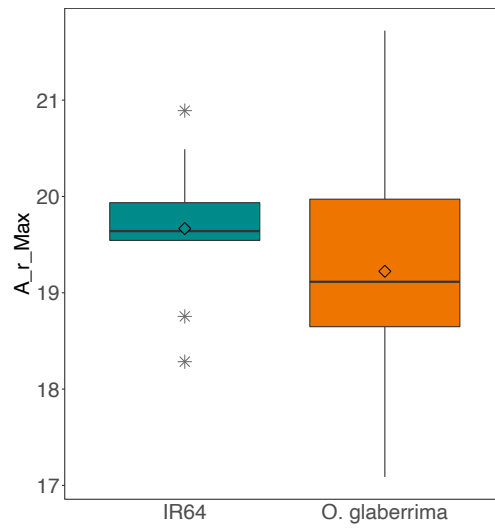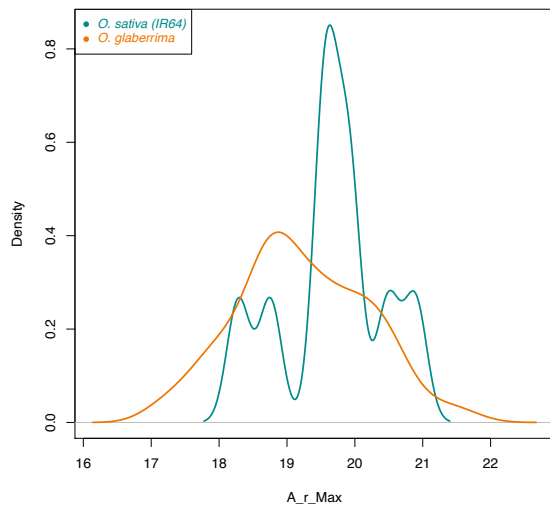


# $A_{\text{r 10}}$
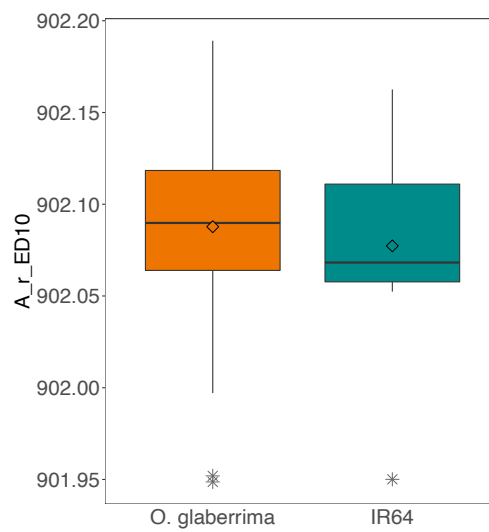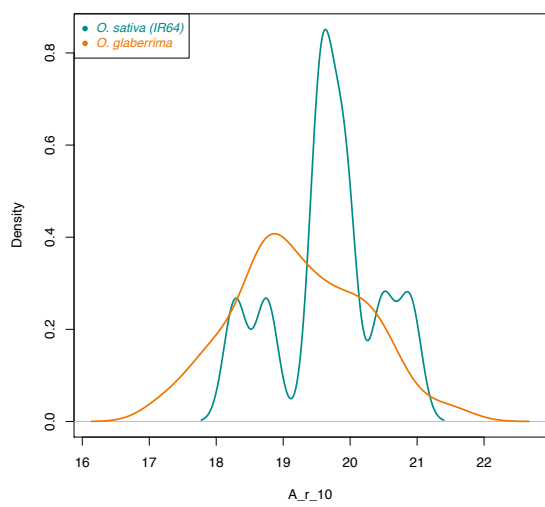
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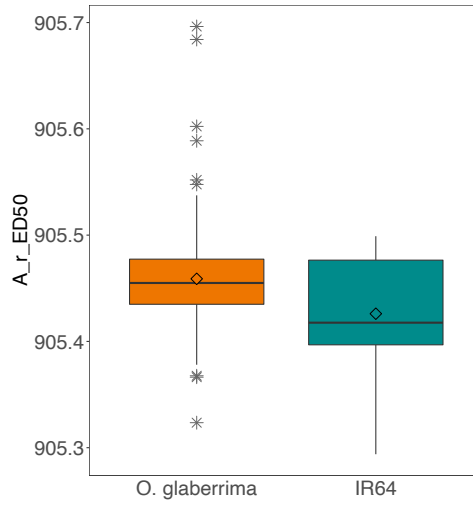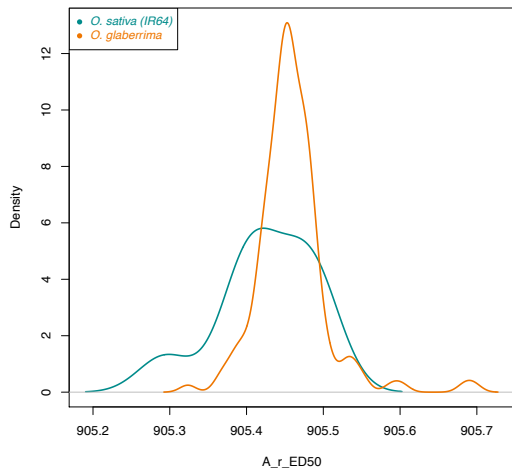


**$A_{r\ 90}$**
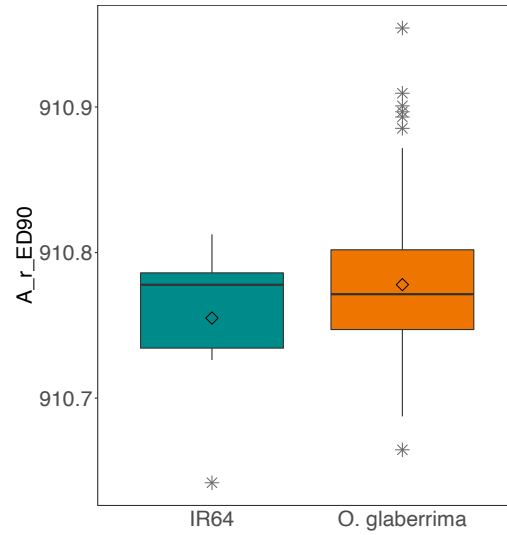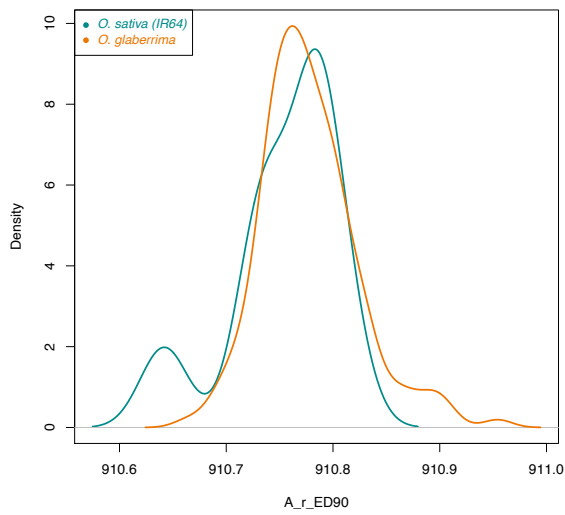


**$A_{r\ rate}$**
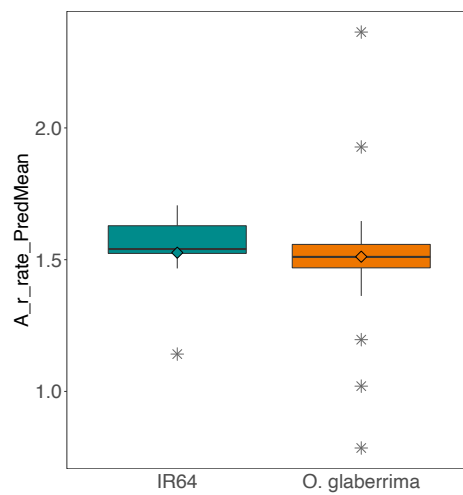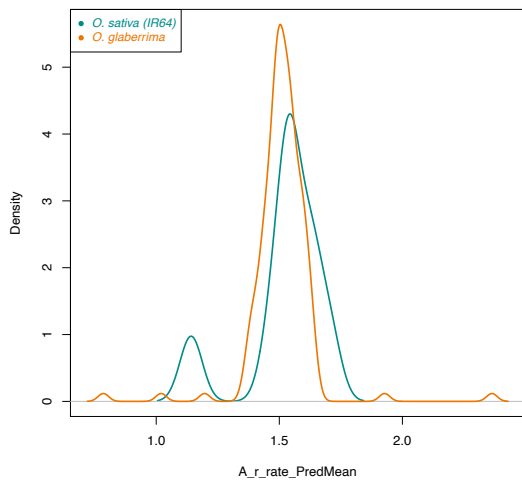
## $A_{\text{r slope}}$
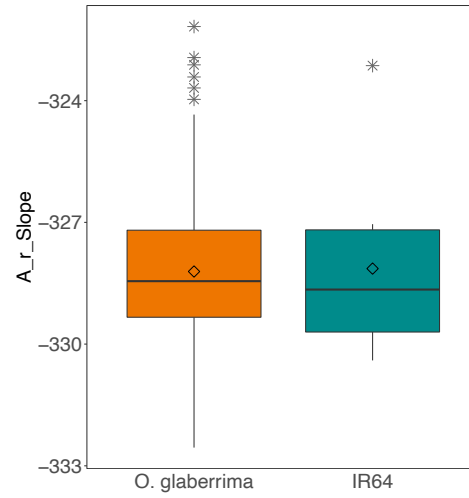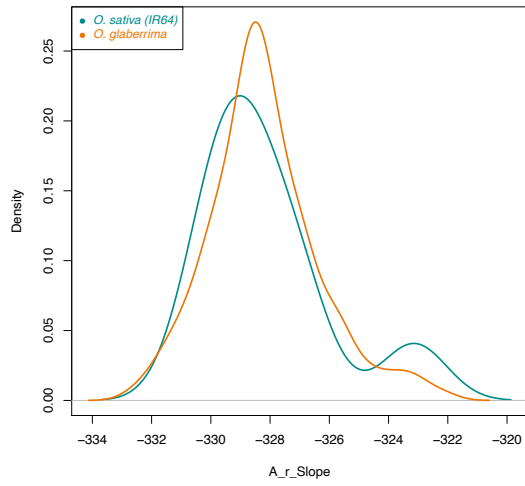


## NPQ$_{\text{r min}}$
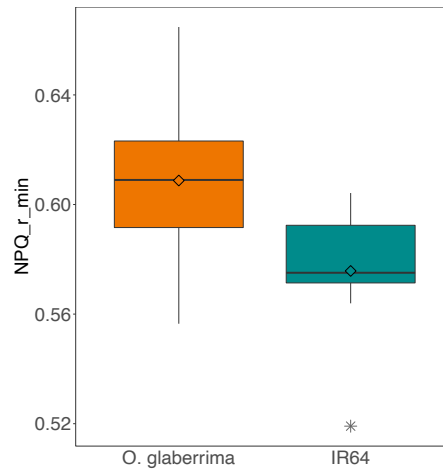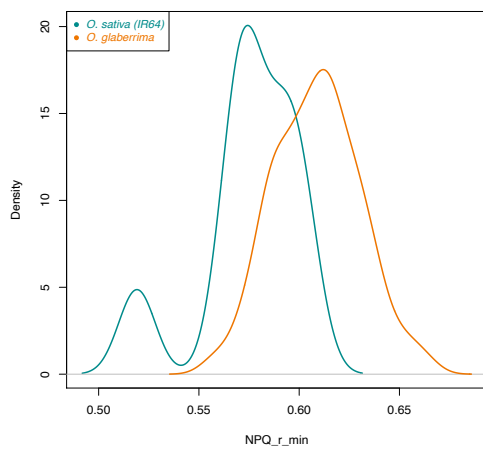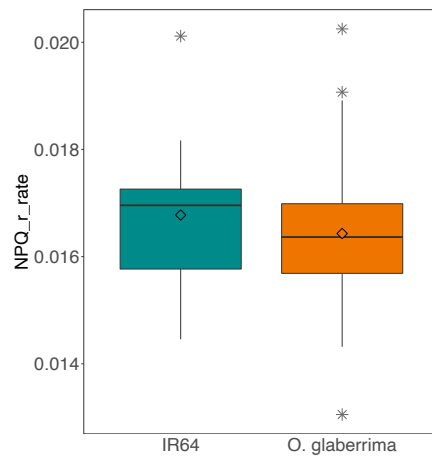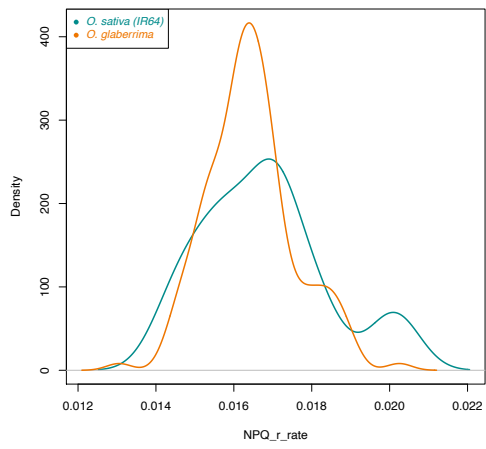


## NPQ$_{\text{r max}}$
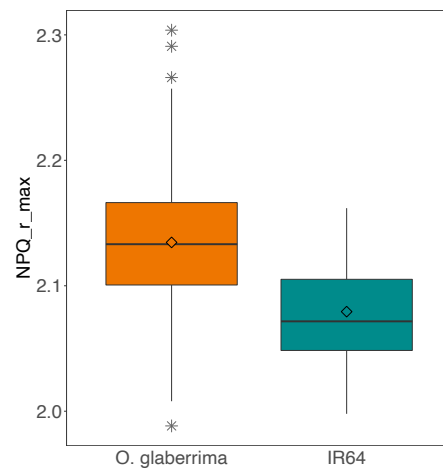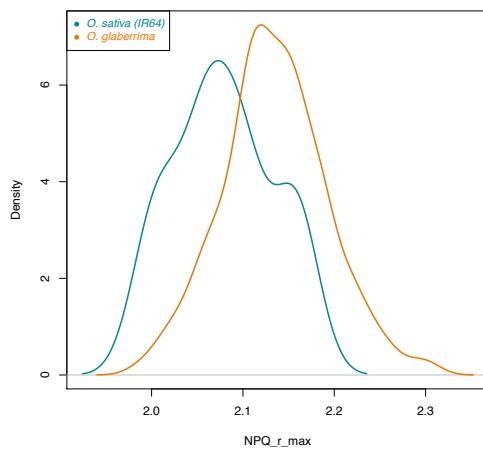


## NPQ$_{\text{r 10}}$
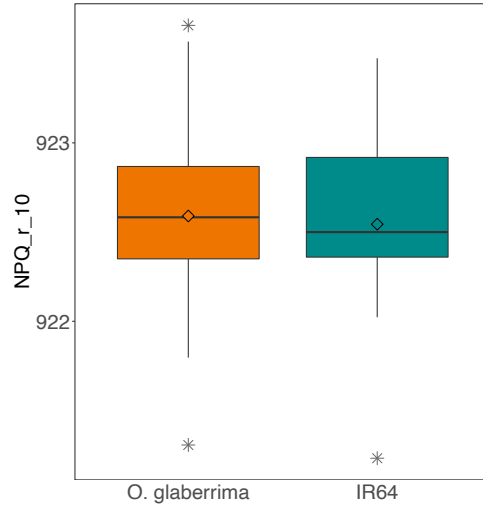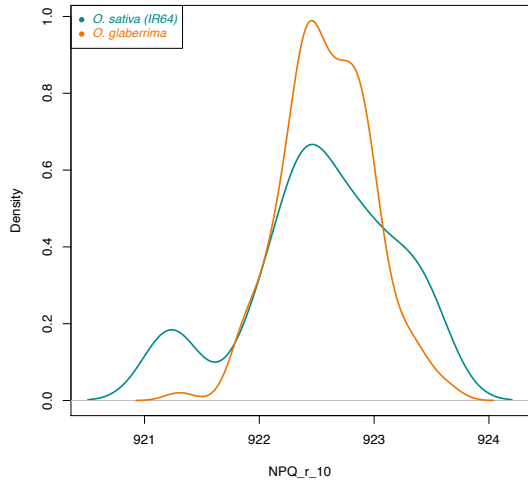
## NPQ_r 50
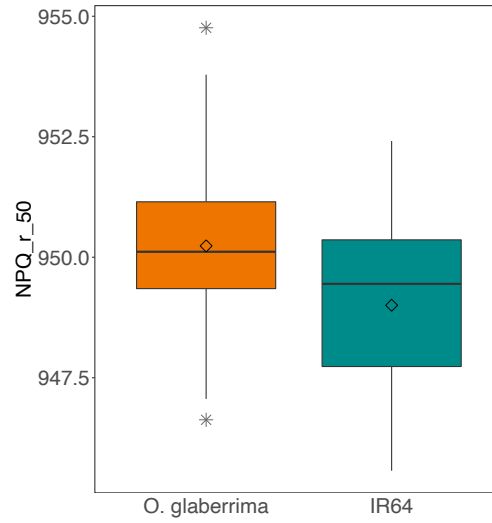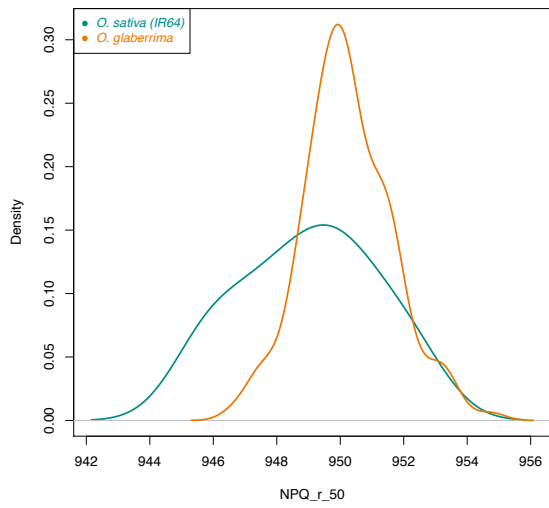


## NPQ_r 90

# NPQ_r rate



# NPQ_r slope