Other physiological dysfunction observed in the resistant plants is related to chlorosis.

Do not forget that P22 and Riso R are highly resistant to powdery mildew!!

Light intensity exacerbate the physiological dysfunction (i.e. stomatal lock-up) and induced chlorosis and necrotic flecking.
Chlorophyll degradation pathway

All genotypes increase antheraxanthin in response to changes to higher light intensity

Pallas background and in particular P22 decrease the levels of pheophytin following pathogen challenge

In Progress:
Why resistance responses impact in chlorophyll degradation pathway?
Why Riso R does not decrease pheophytin?
Gene expression
Enzymatic activity assays