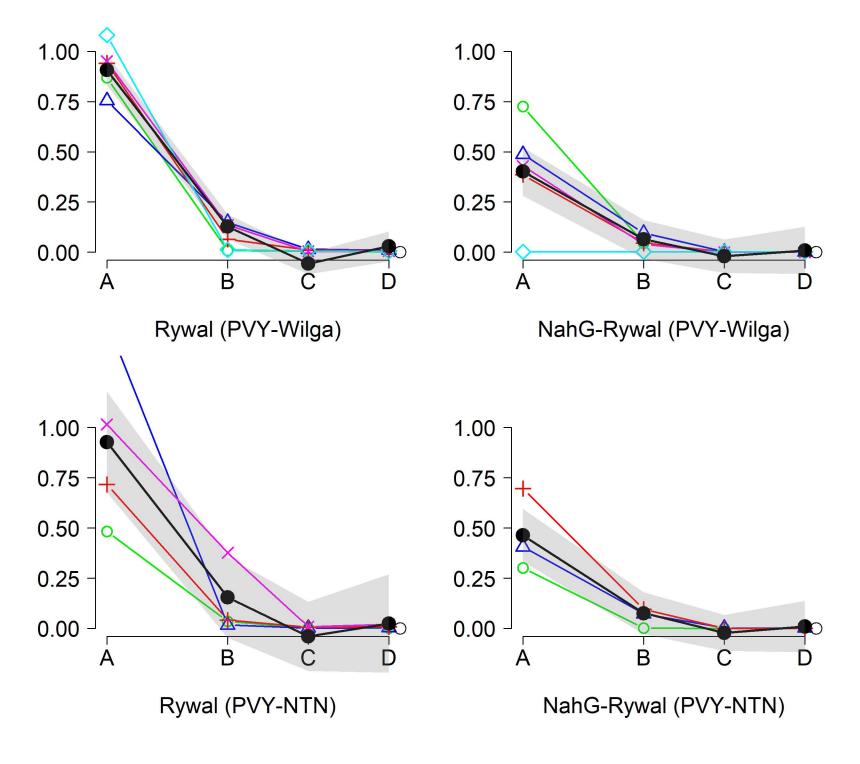
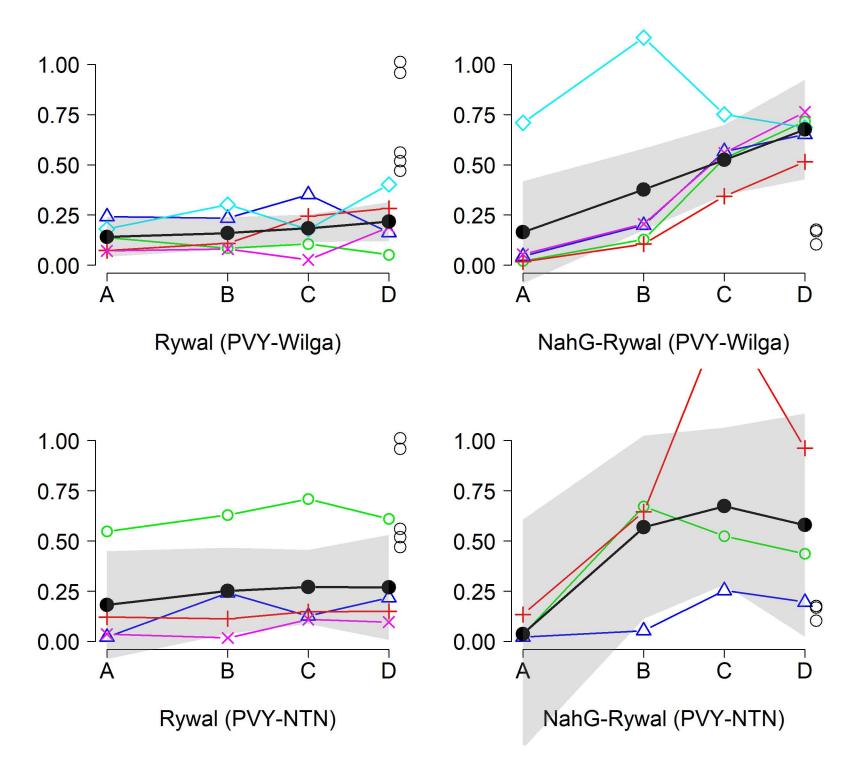
Figure S4: Spatiotemporal transcriptional regulation of analysed genes in all performed experiments. Spatial expression of the selected genes and relative viral RNA abundance was followed in nontransgenic Rywal and NahG-Rywal after inoculation with PVY^{NTN}, PVY^N-GFP or PVY^{N-Wilga} at the stage of fully developed and early visible lesions. Graphs are organised per lesion development stage, experiment and gene functional group. In case of early visible lesions, spatial expression of the selected genes and relative viral RNA abundance was followed in two perpendicular directions, here marked with 1st and 2nd, respectively. Spatial profiles of both directions and their average is shown. See Figure 2 legend for the full description of the graphs and Figure 1 for full gene names.

*Note: for easiest browsing select Bookmarks view (e.g. left panel in Adobe Reader) and than select the graph you want to inspect.

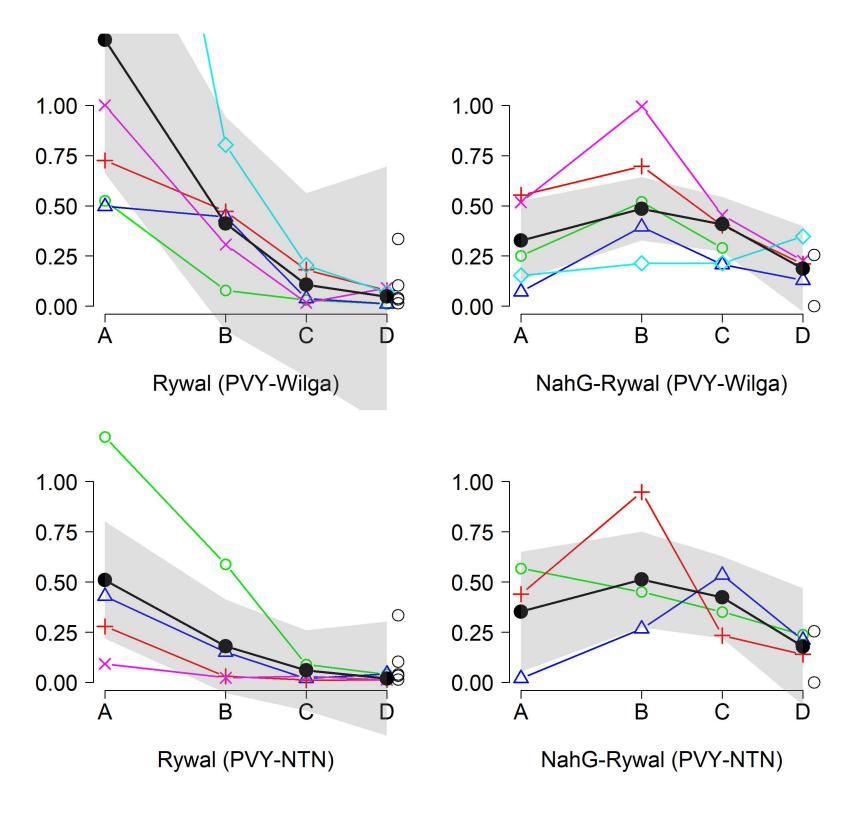
Fully developed lesions



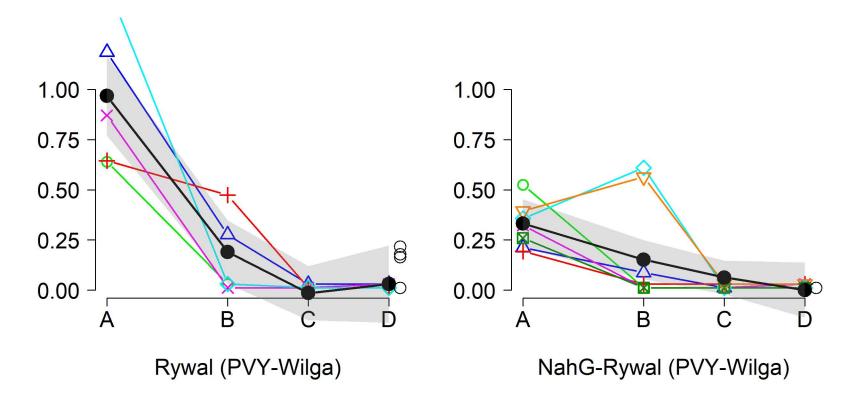
CAT1



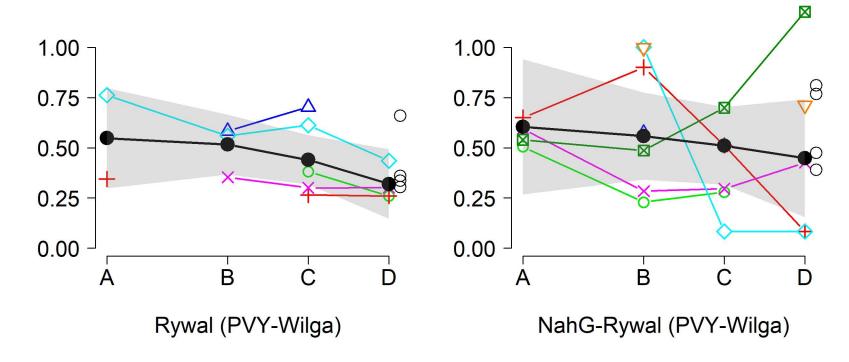
PRX28



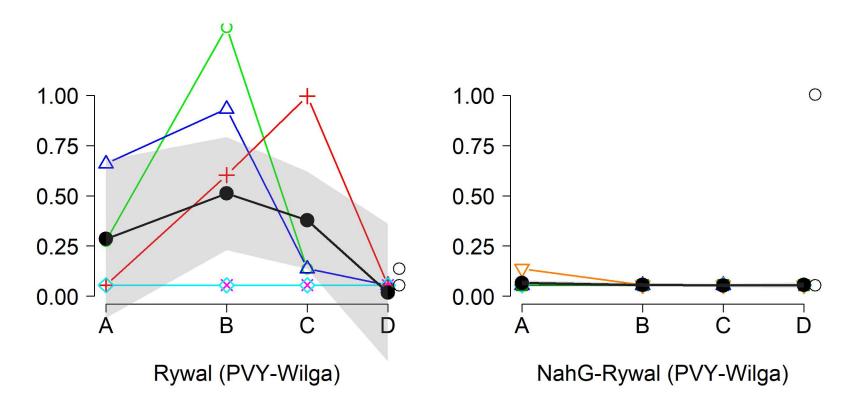
RBOHA



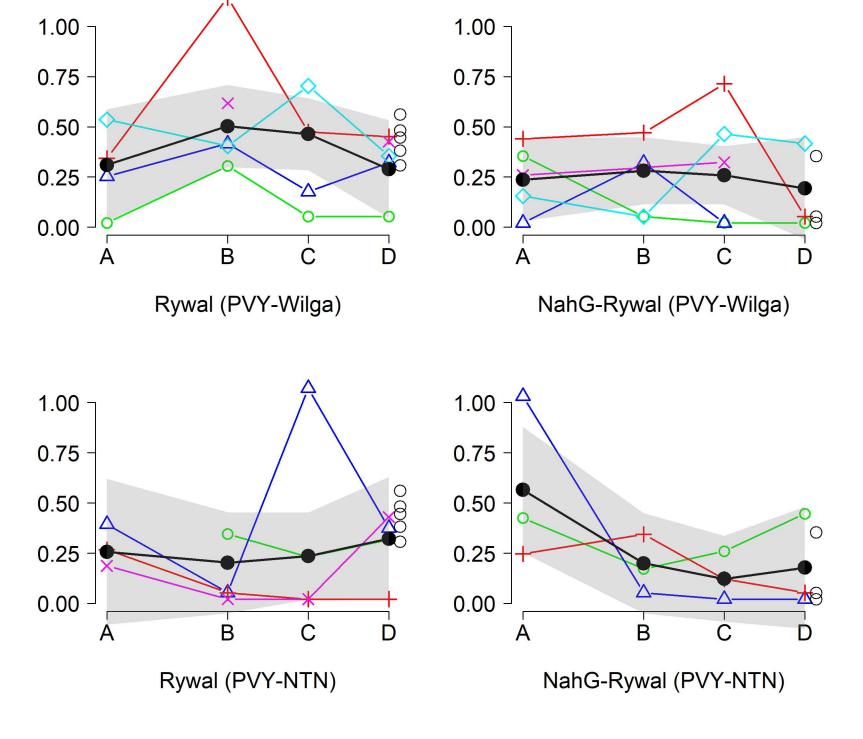
RBOHC



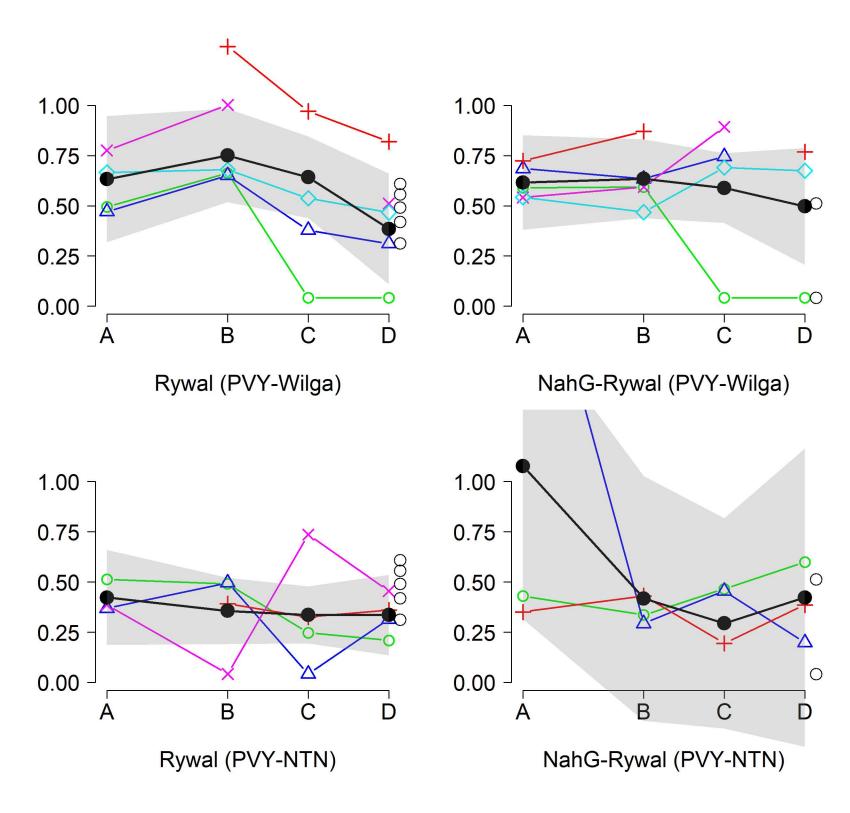
RBOHD

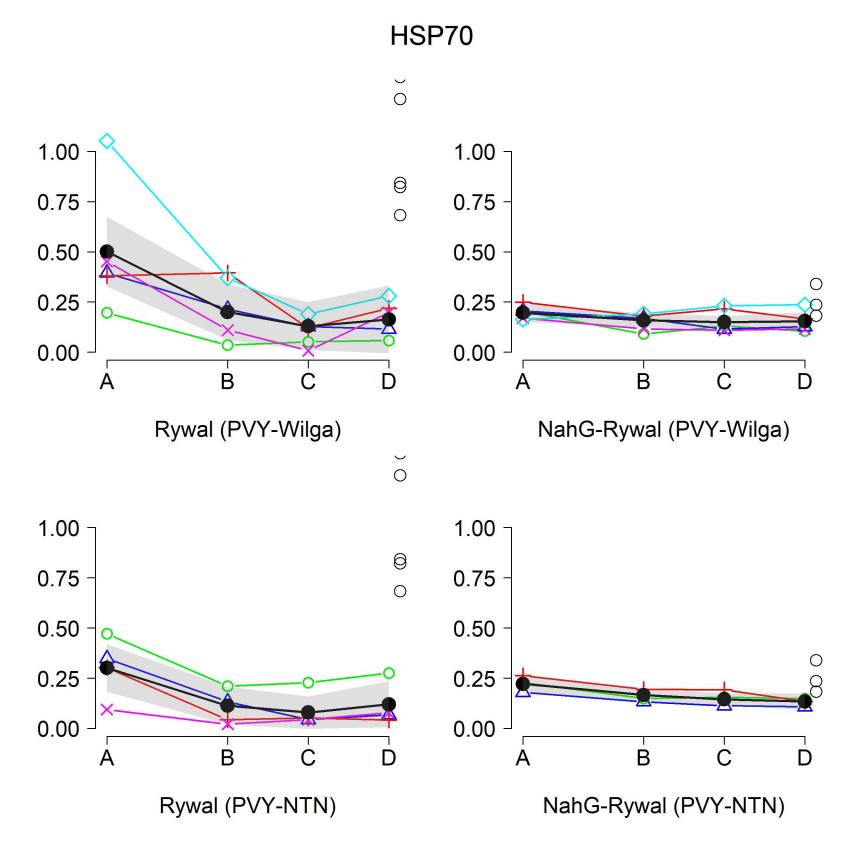


WIPK

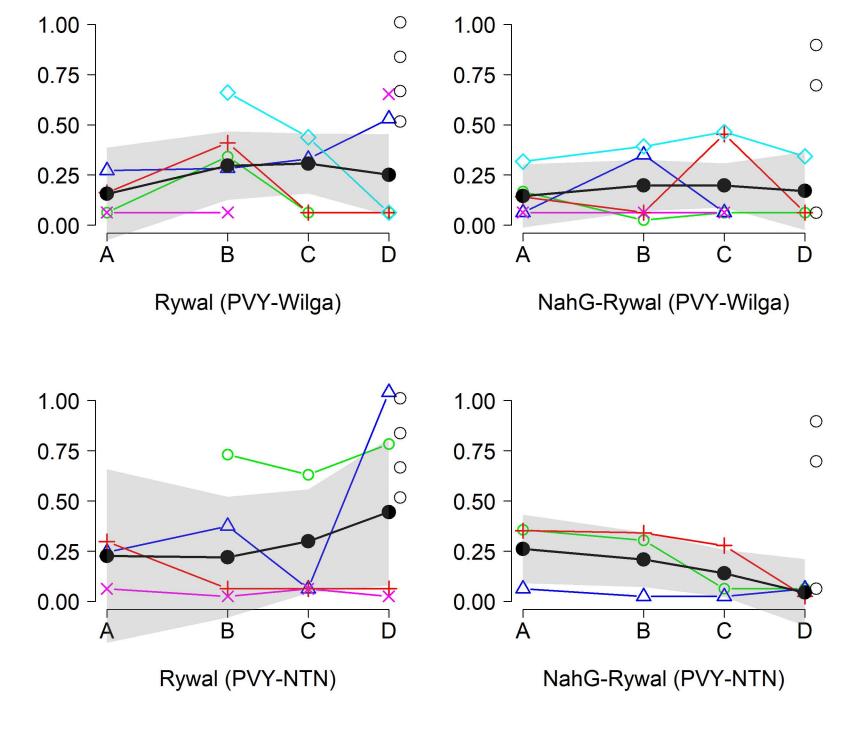


MKP1

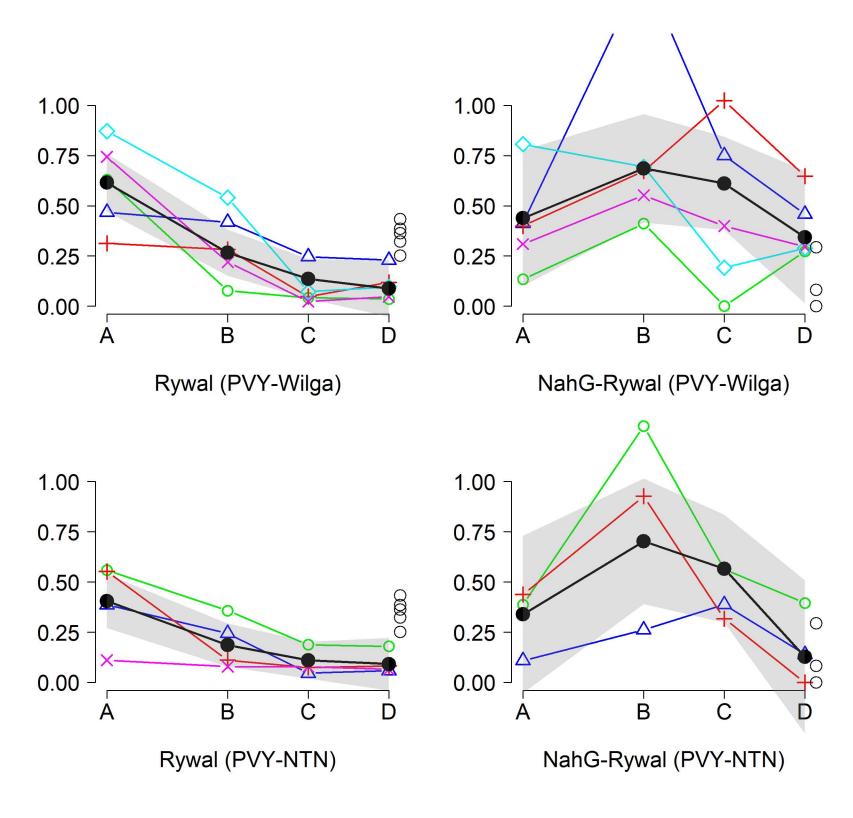




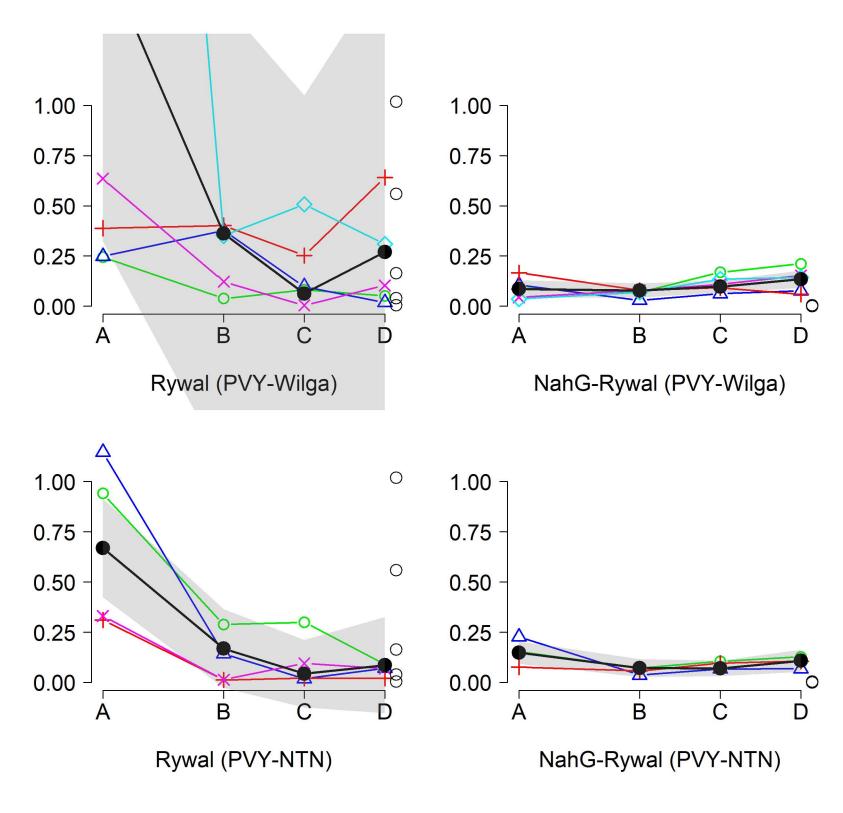
ARF2



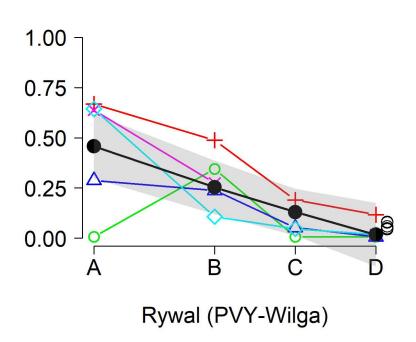
ERF1

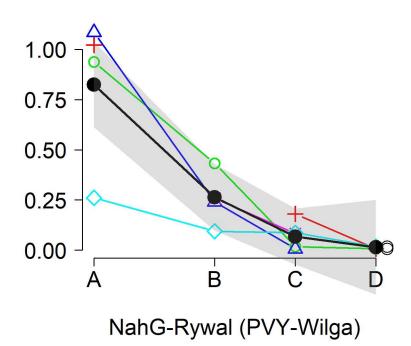


9-LOX

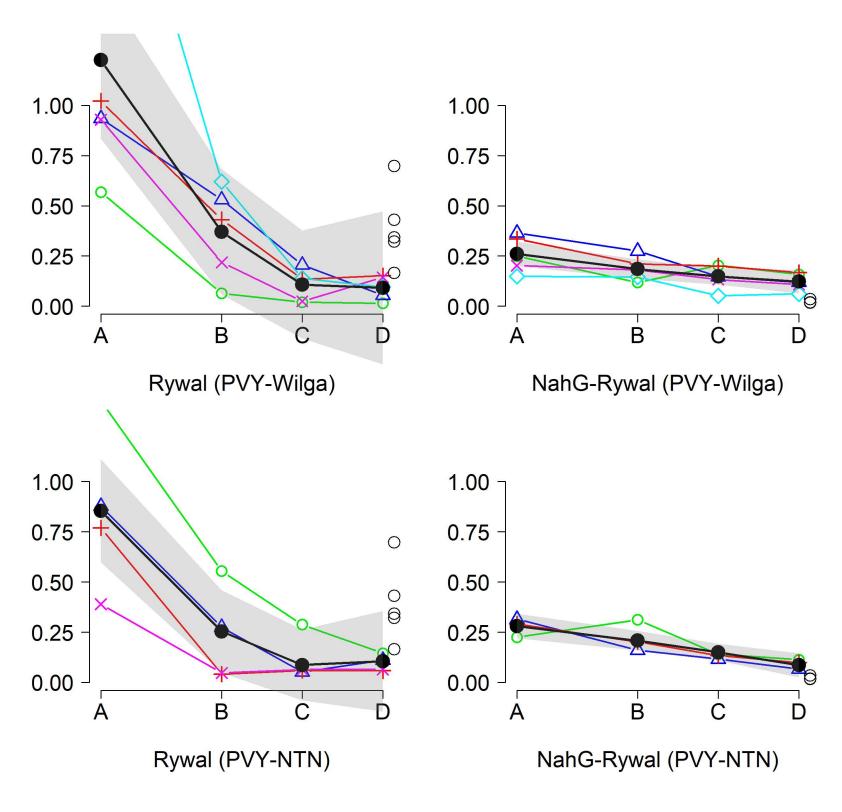


13-LOX

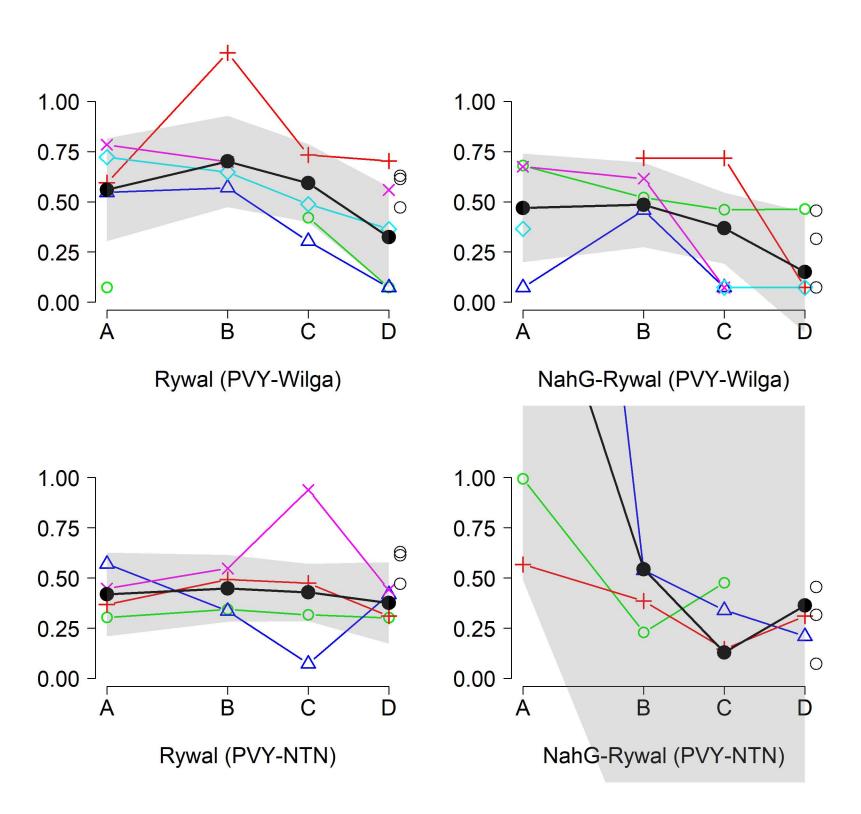




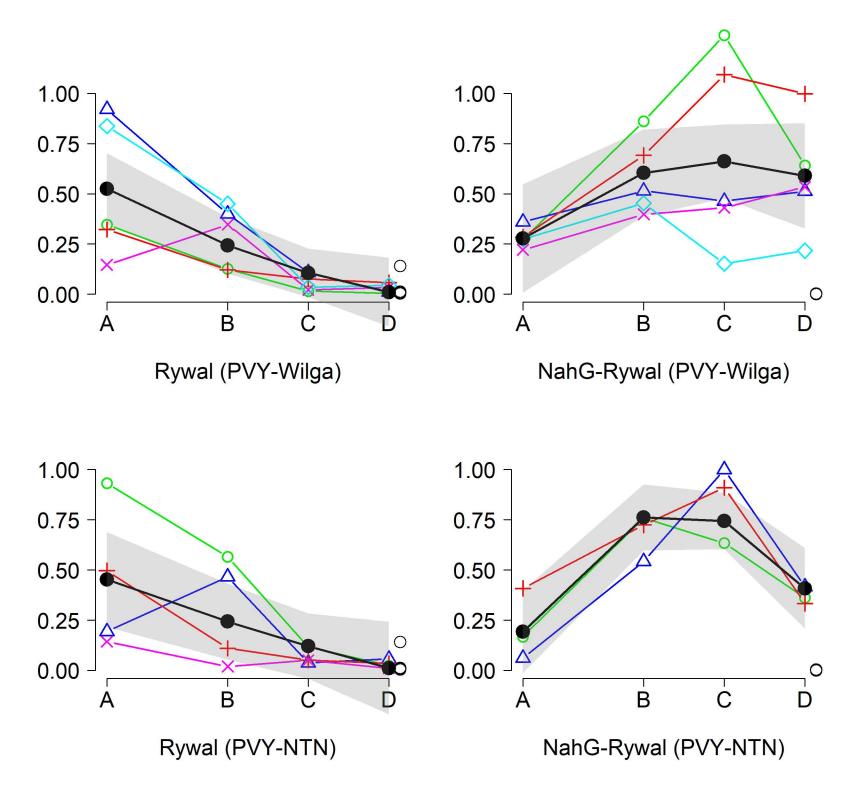
ACX3



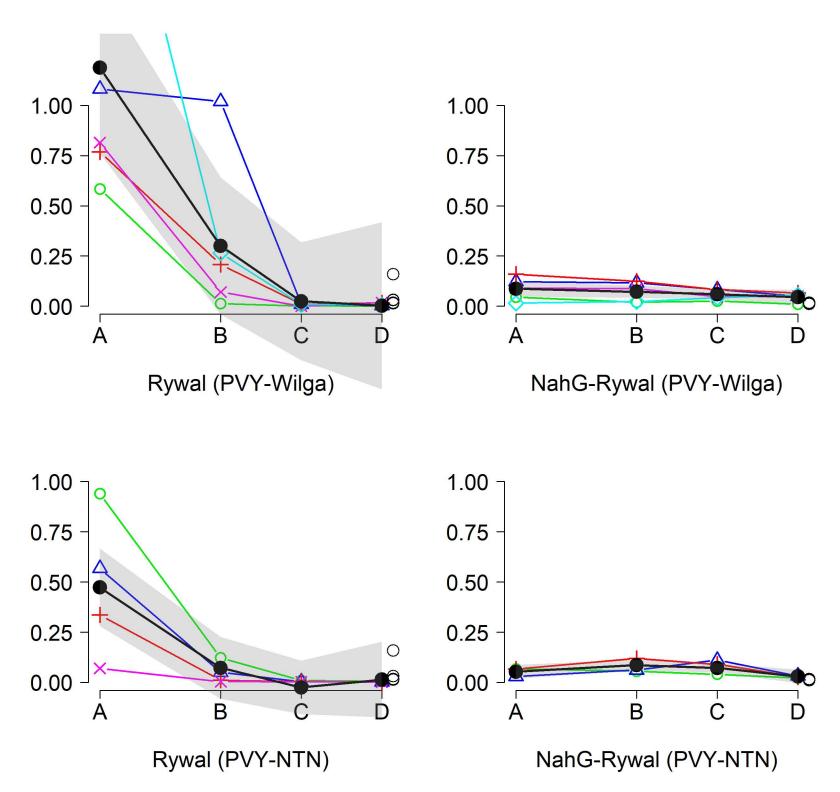
TGA2



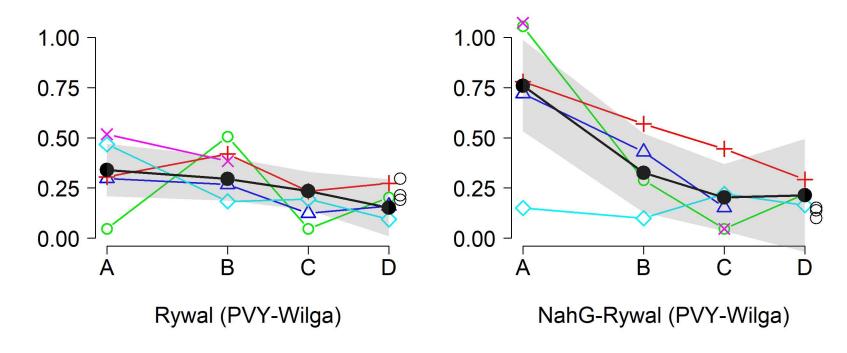
PR1B



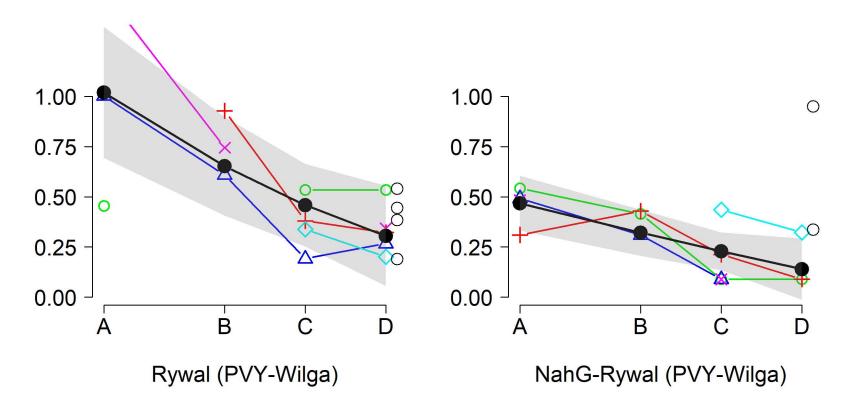
BGLU2



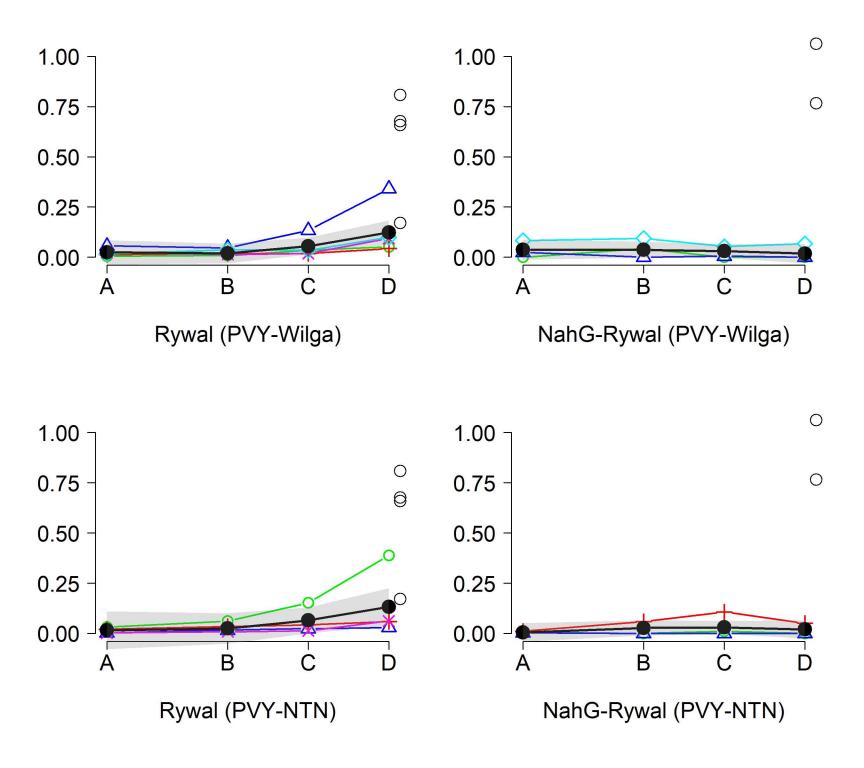
AGO2

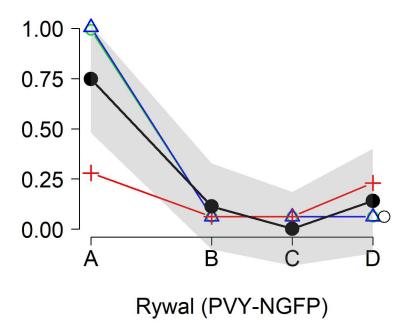


SAHH

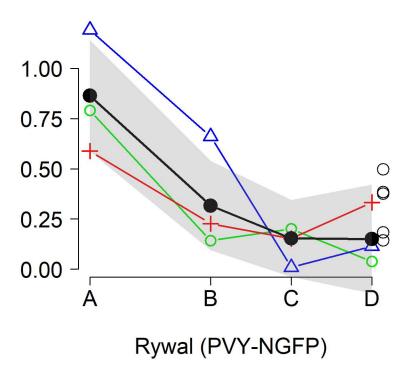


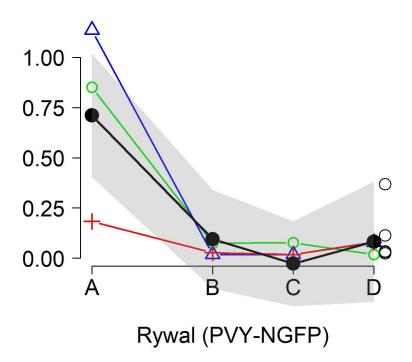
GBSS1



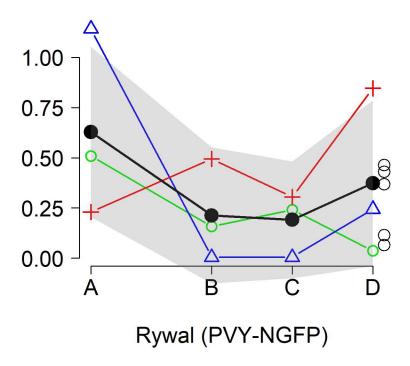


CAT1



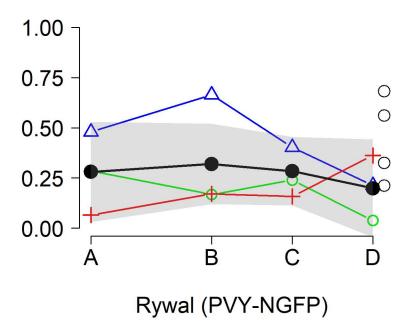


RBOHA

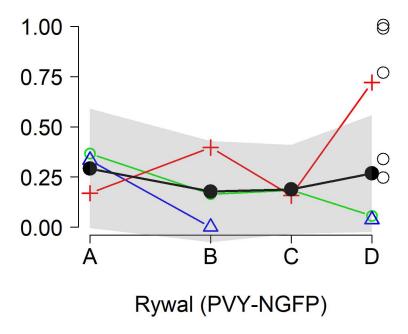


RBOHC

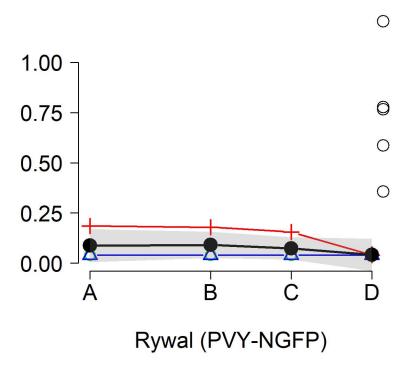
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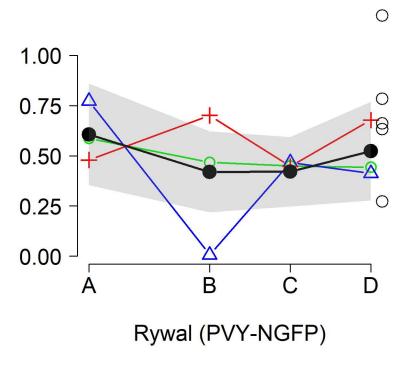
RBOHD



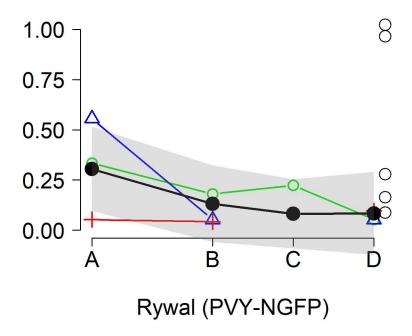
TRXO

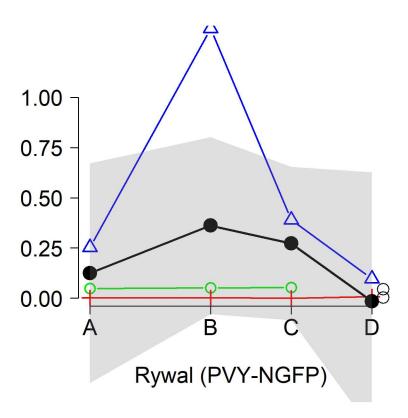


TRXH

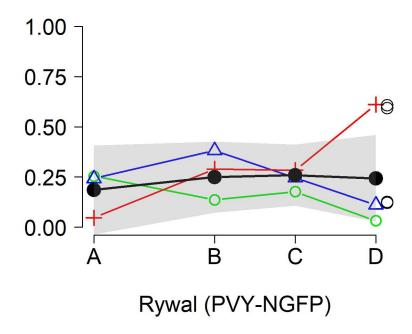


ERF1

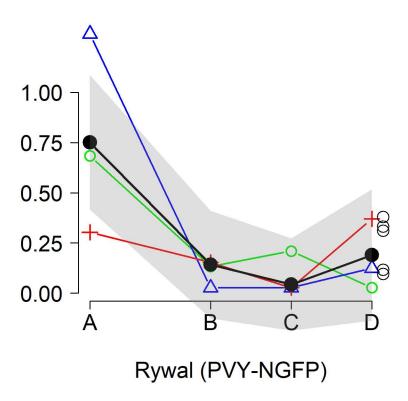




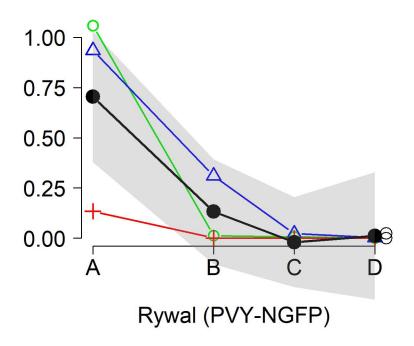
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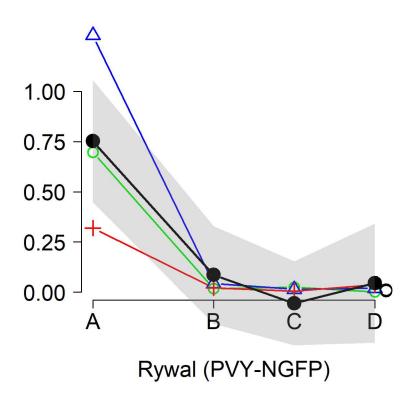
ACX3

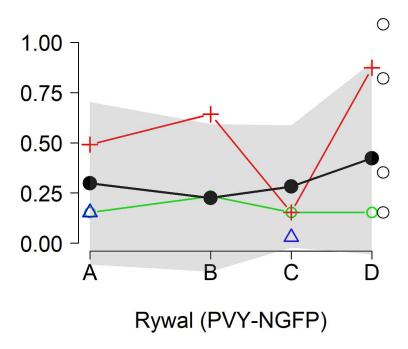


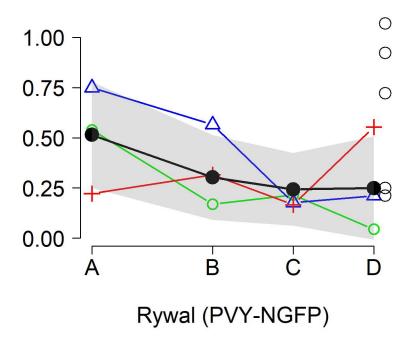
PR1B

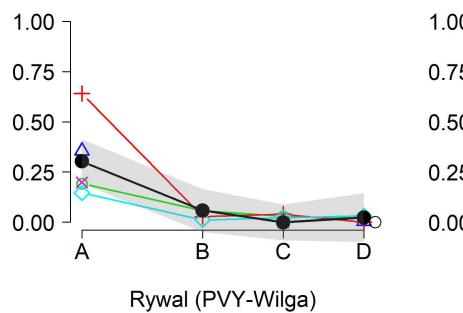


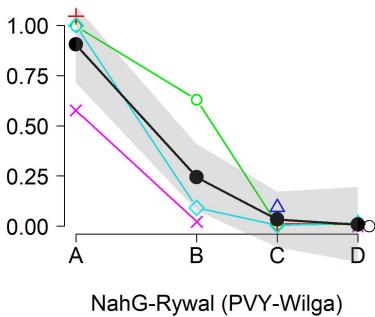
BGLU2



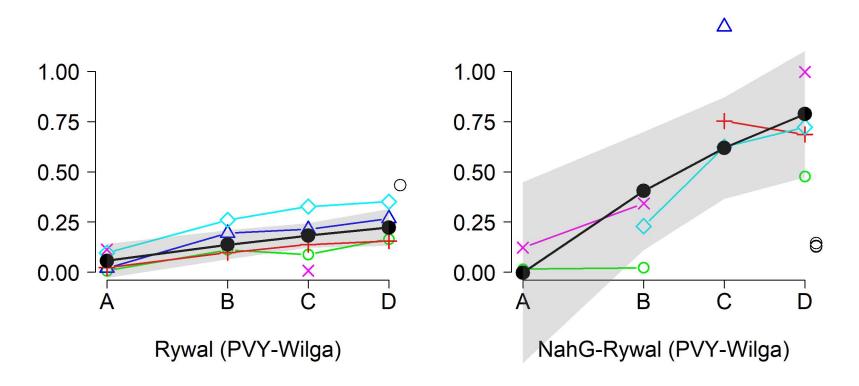




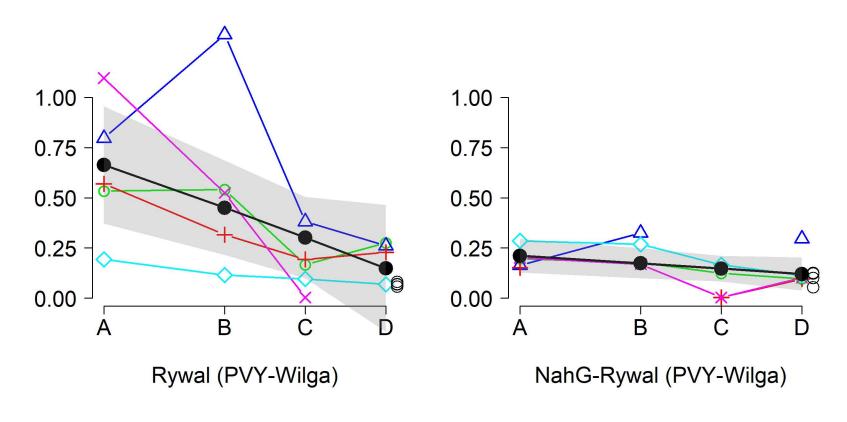




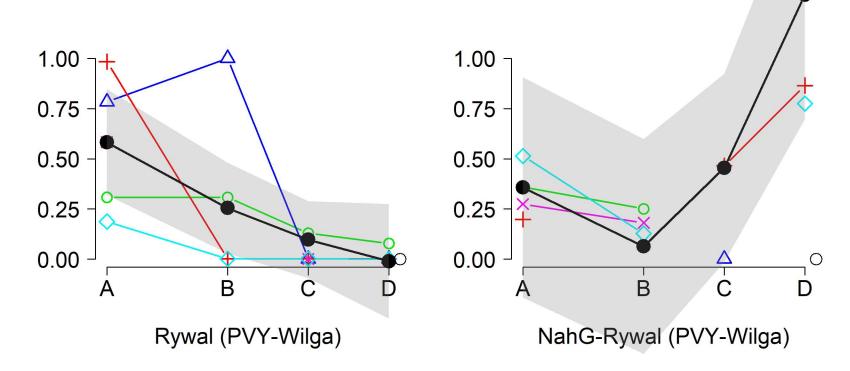
CAT1



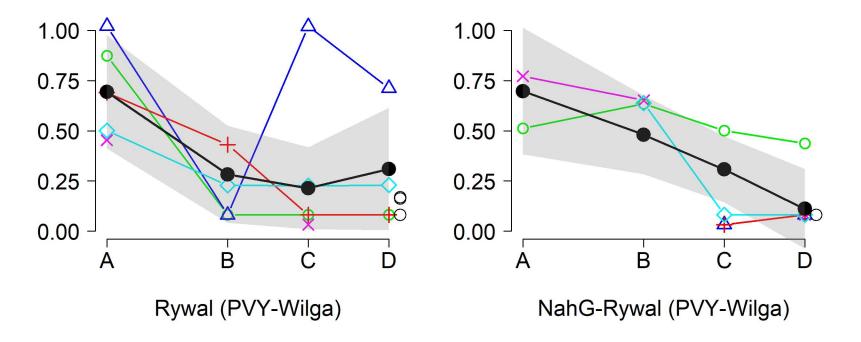
TRXH



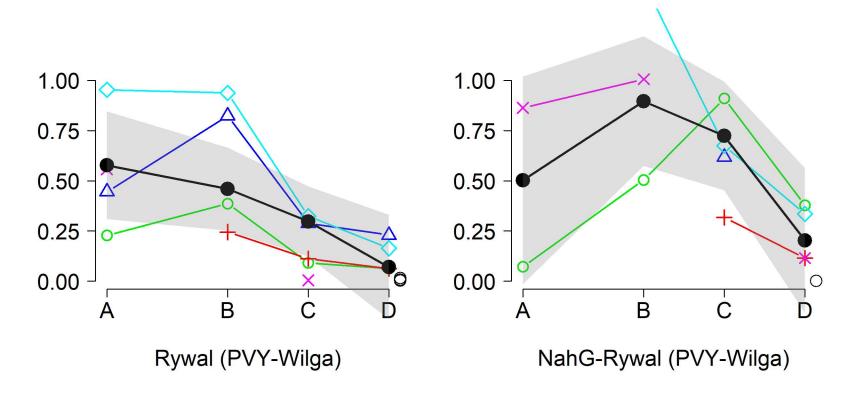
9-LOX



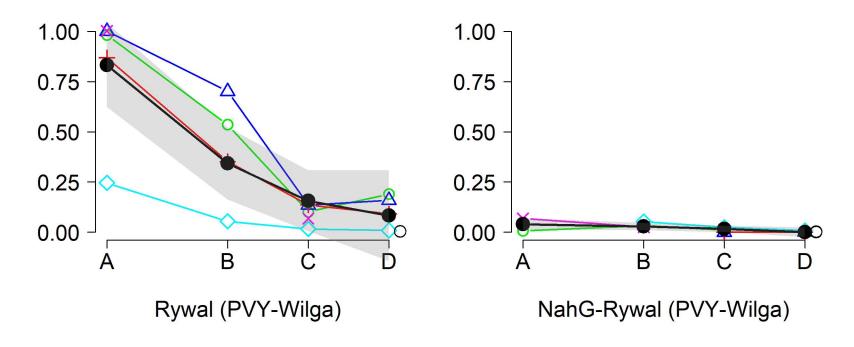
ACX3



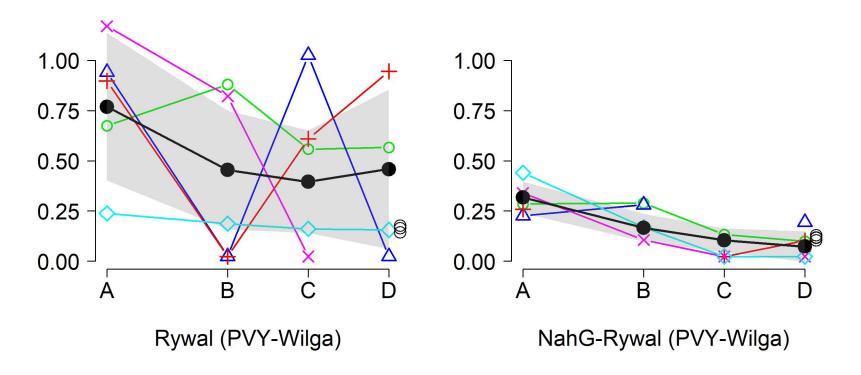
PR1B



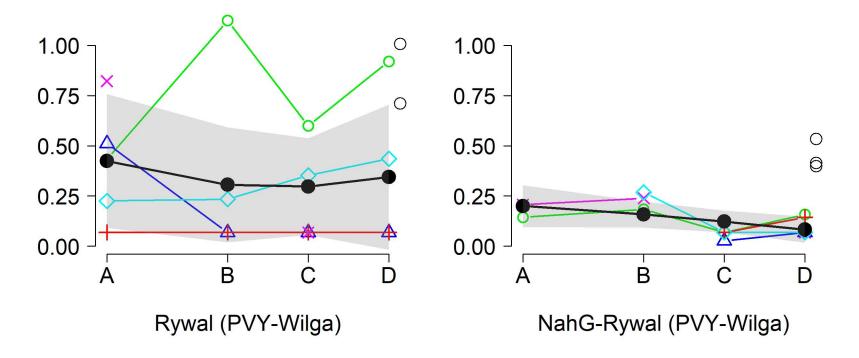
BGLU2



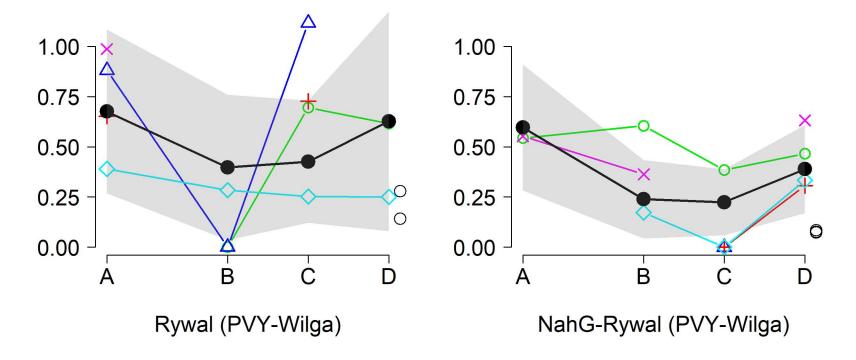
LSD1



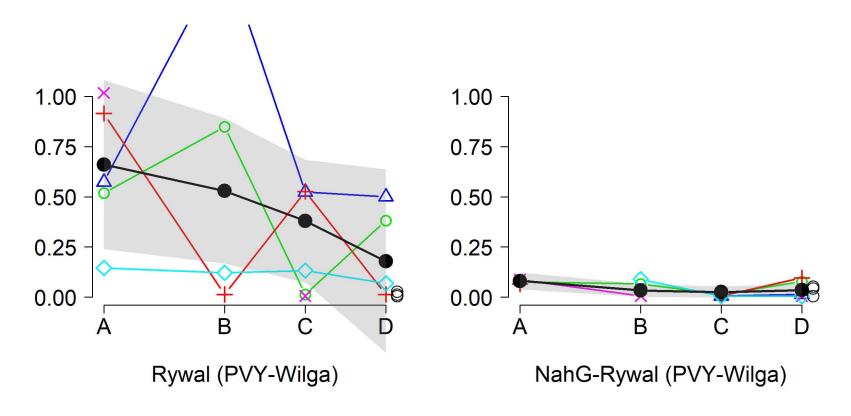
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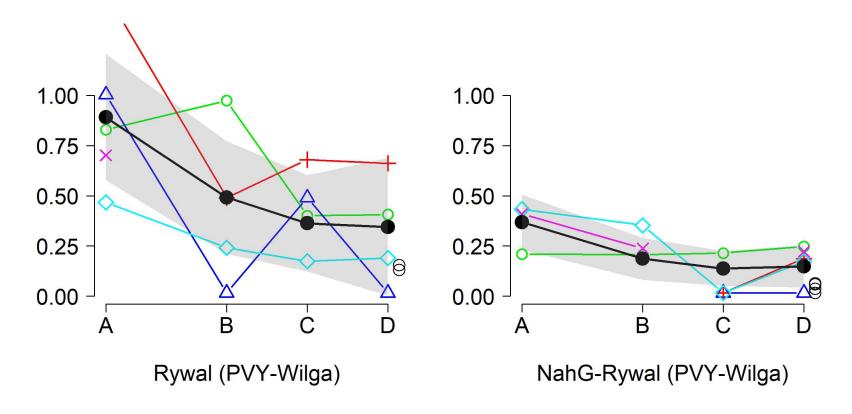
TGA2



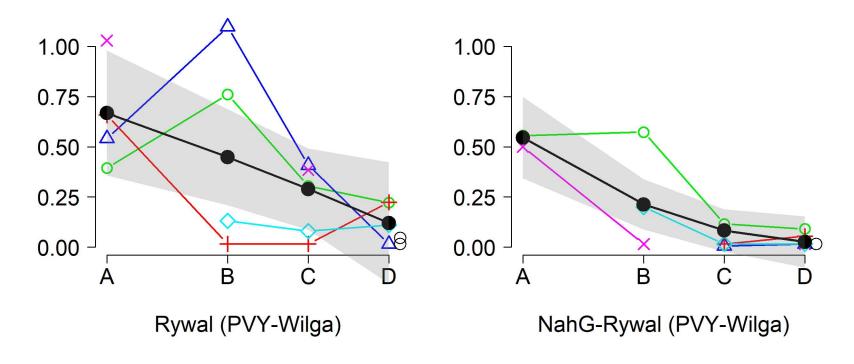
WIPK



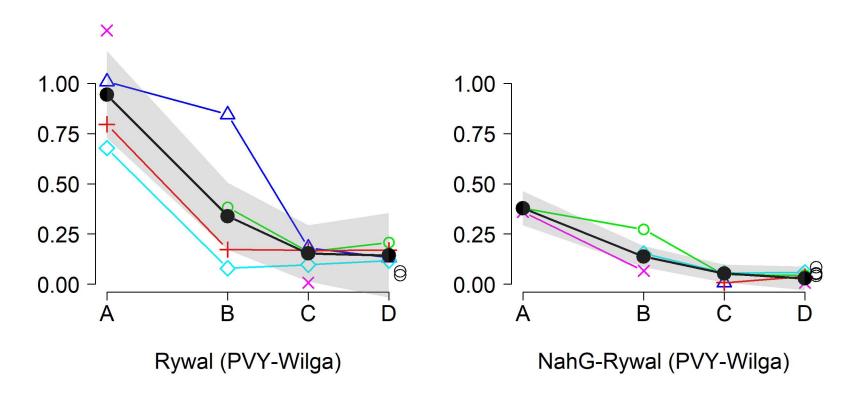
MKP1



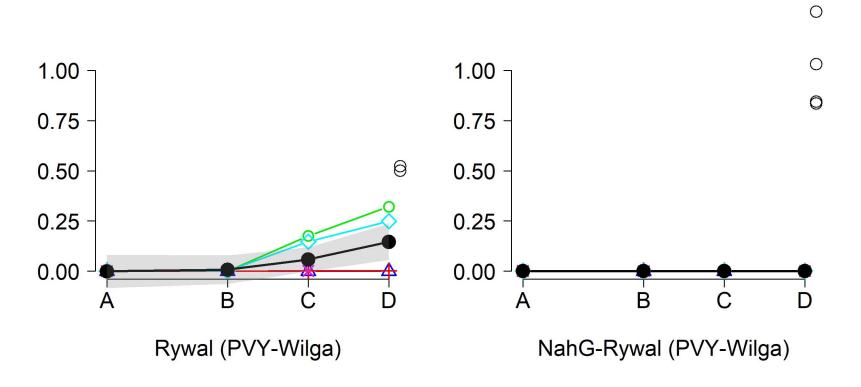
AGO2



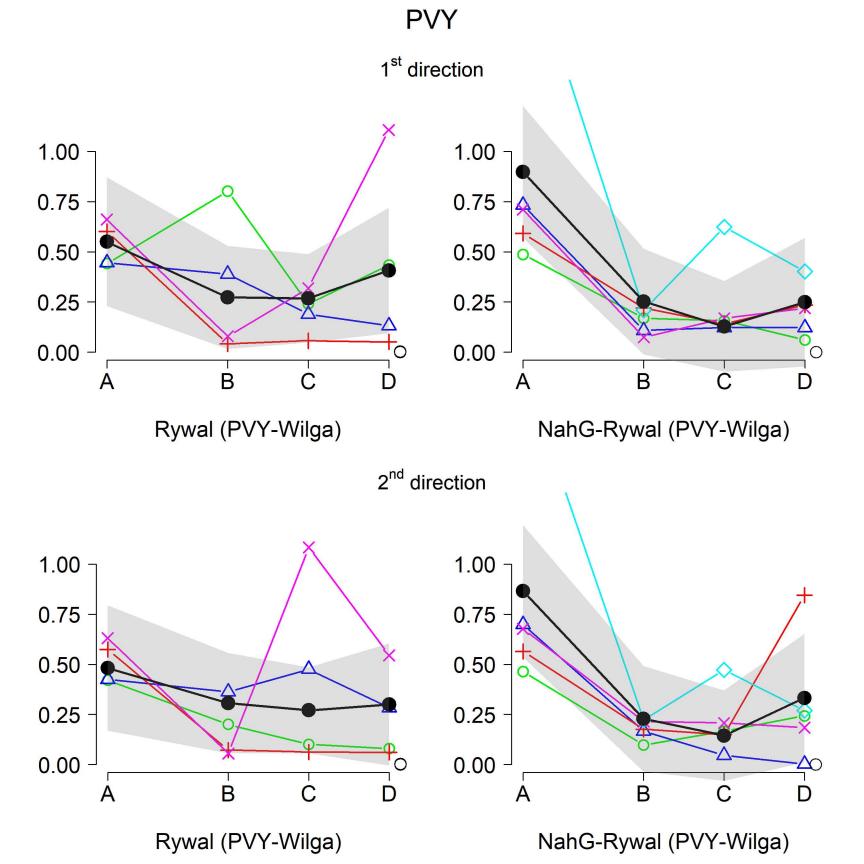
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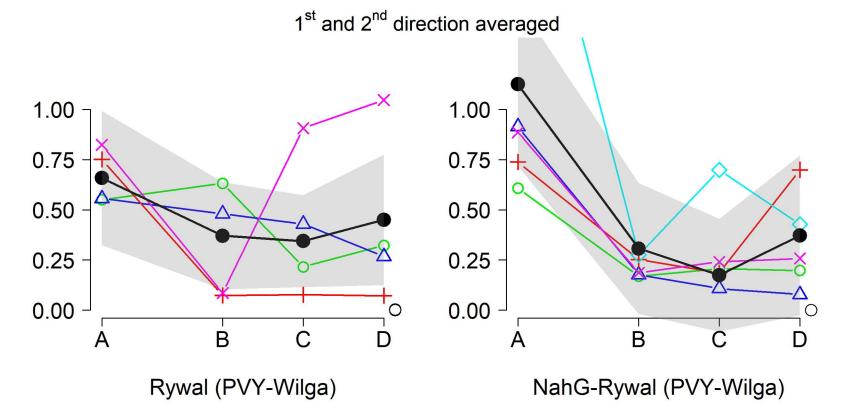
GBSS1



Early visible lesions

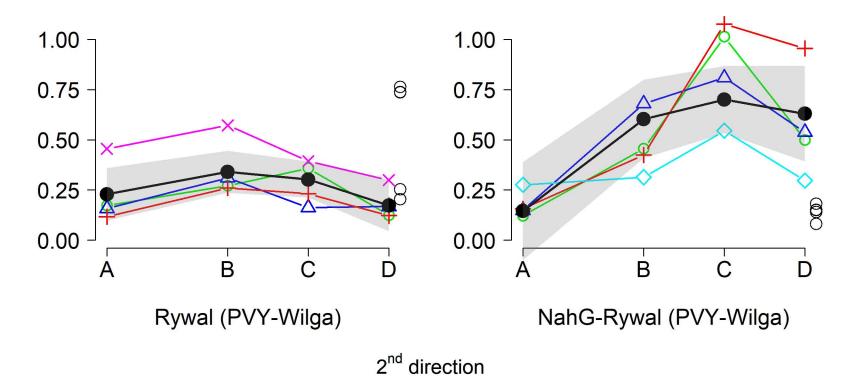


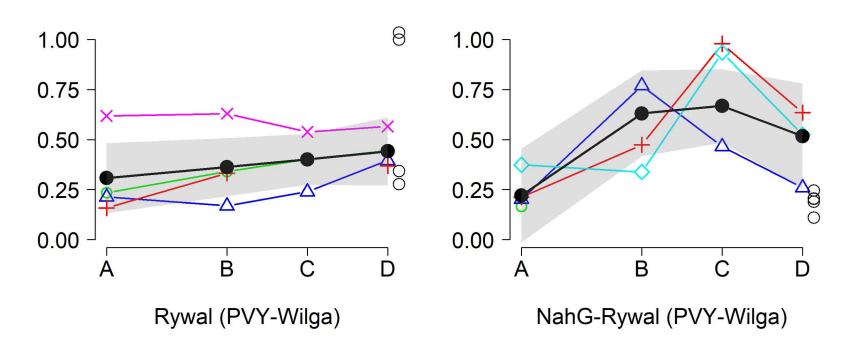
PVY



CAT1

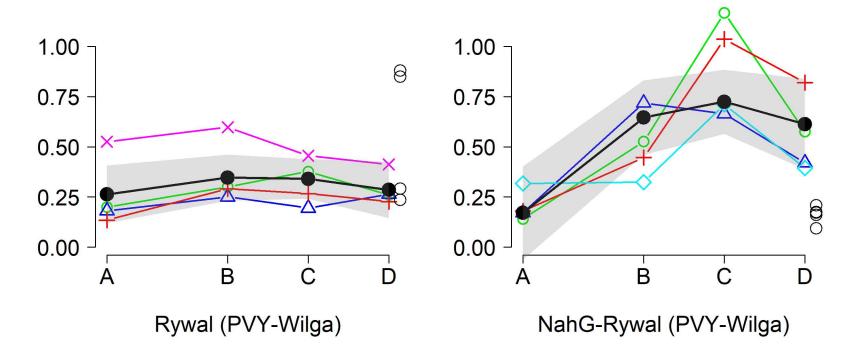
1st direction





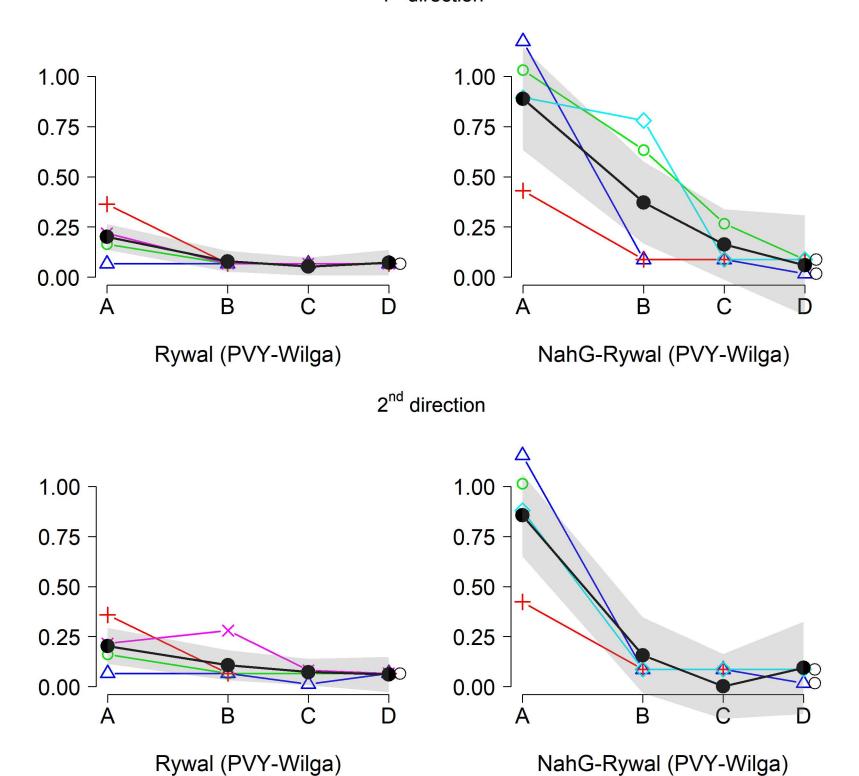
CAT1

1st and 2nd direction averaged



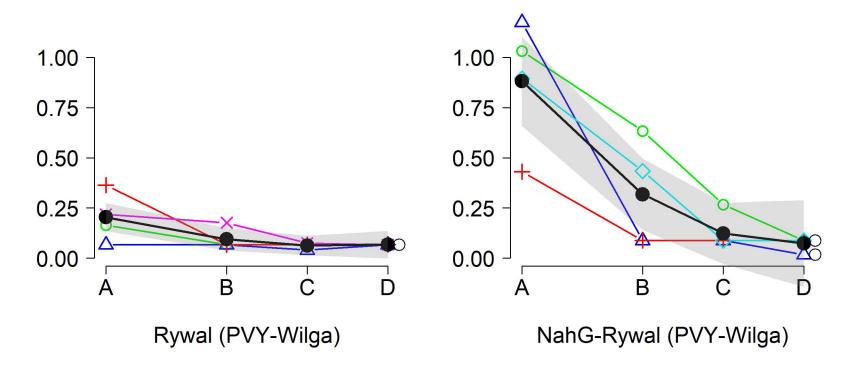
PRX28

1st direction



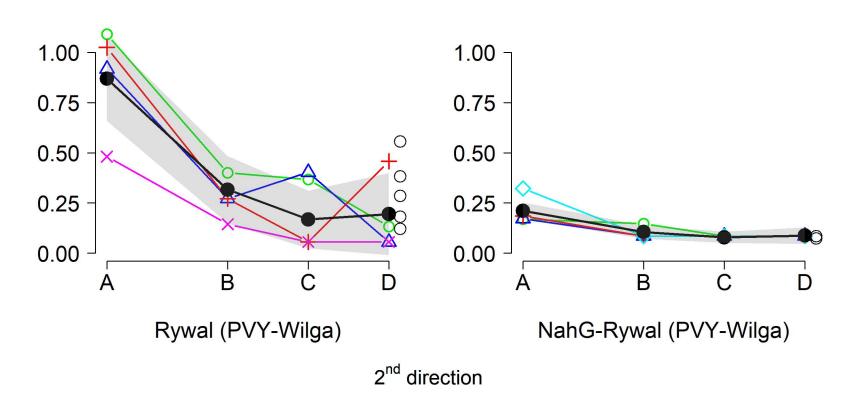
PRX28

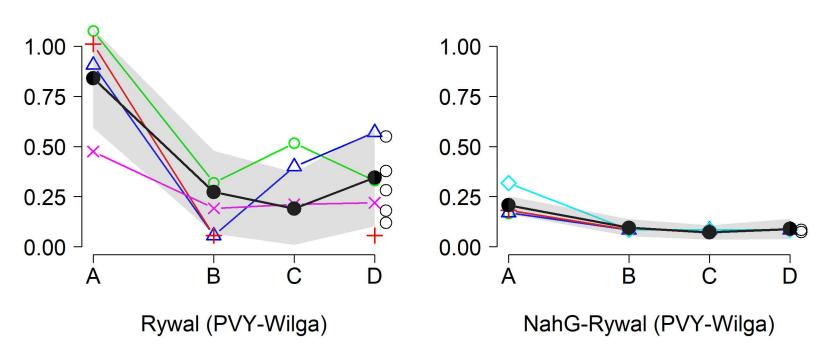
1st and 2nd direction averaged



RBOHA

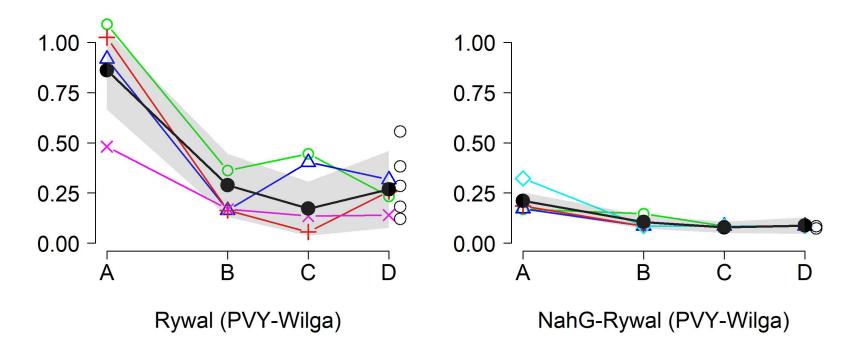
1st direction

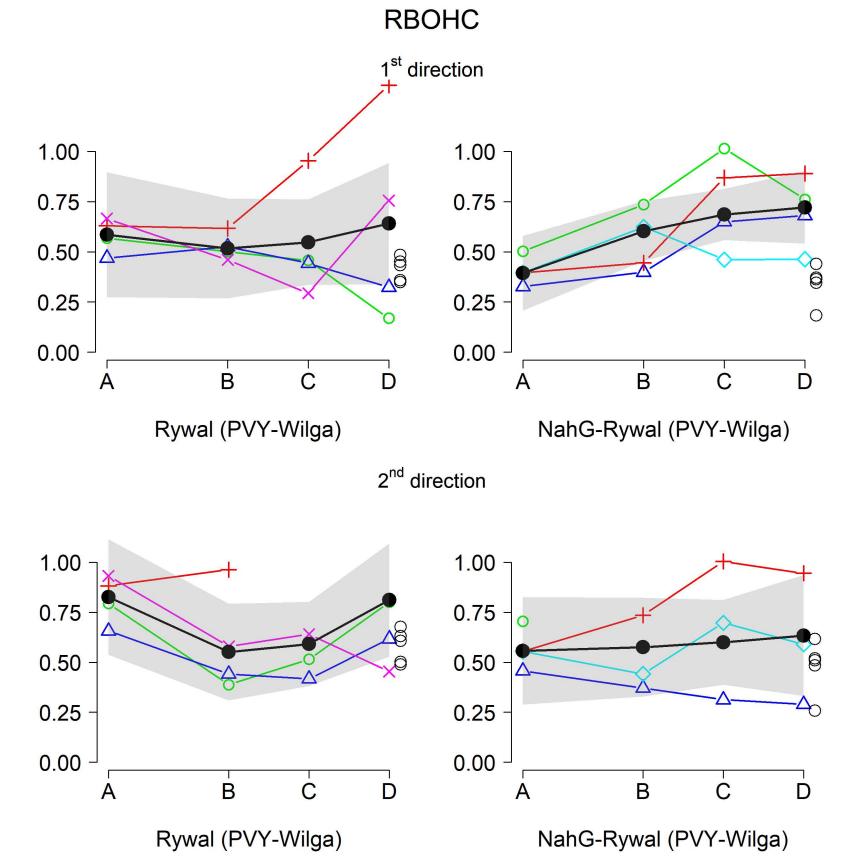




RBOHA

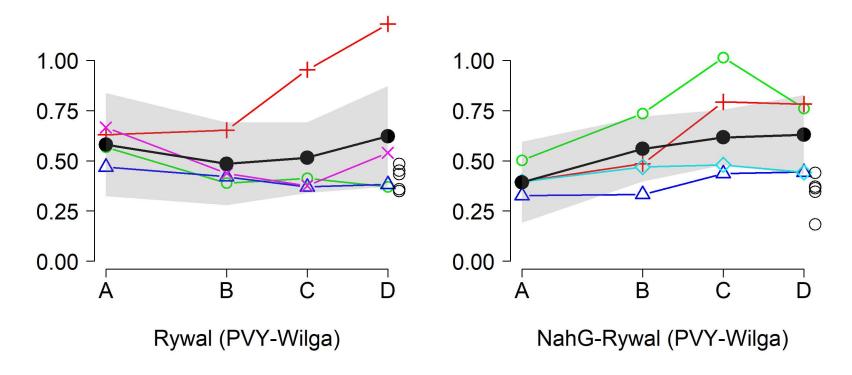
1st and 2nd direction averaged





RBOHC

1st and 2nd direction averaged



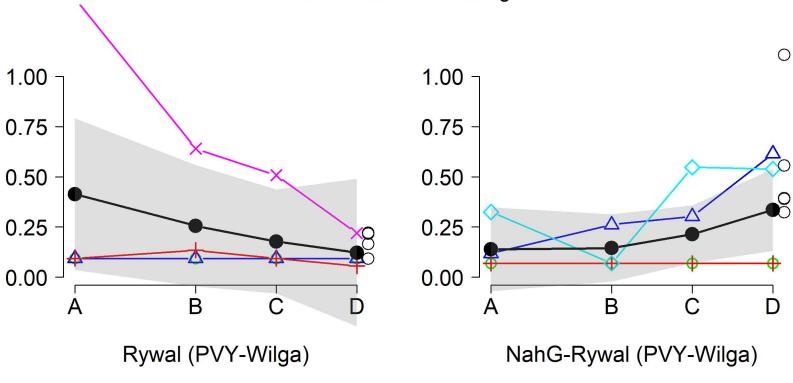
RBOHD 1st direction 0 1.00 -1.00 0.75 0.75 0.50 0.50 0.25 -0.25 0.00 0.00 В C D Å Ċ В Rywal (PVY-Wilga) NahG-Rywal (PVY-Wilga) 2nd direction 0 1.00 1.00 0.75 0.75 0.50 0.50 0.25 0.25 0.00 0.00 C В В Ċ À D A D

NahG-Rywal (PVY-Wilga)

Rywal (PVY-Wilga)

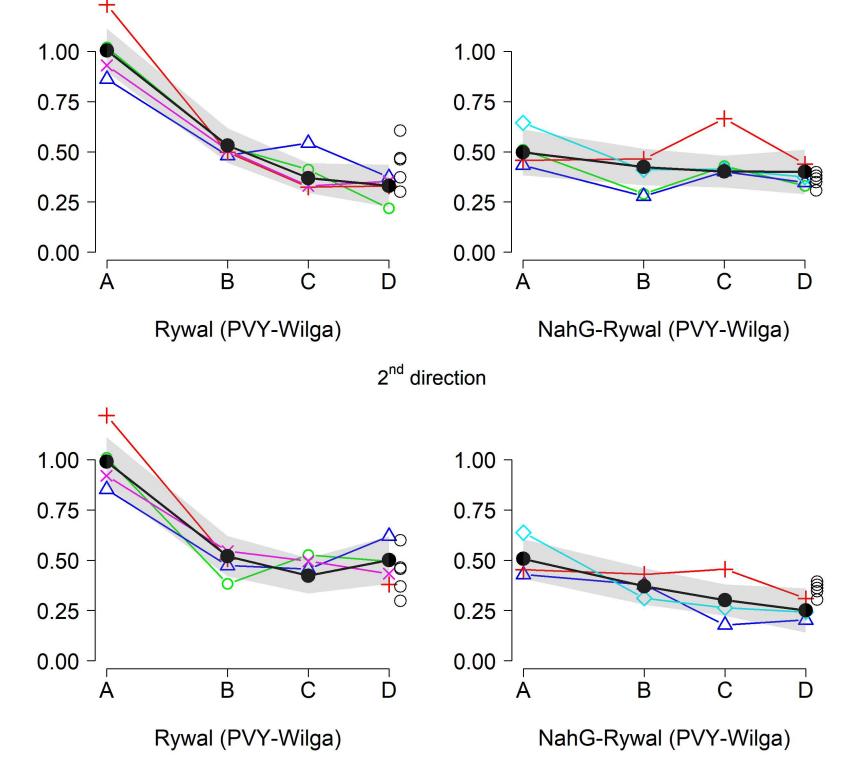
RBOHD

1st and 2nd direction averaged



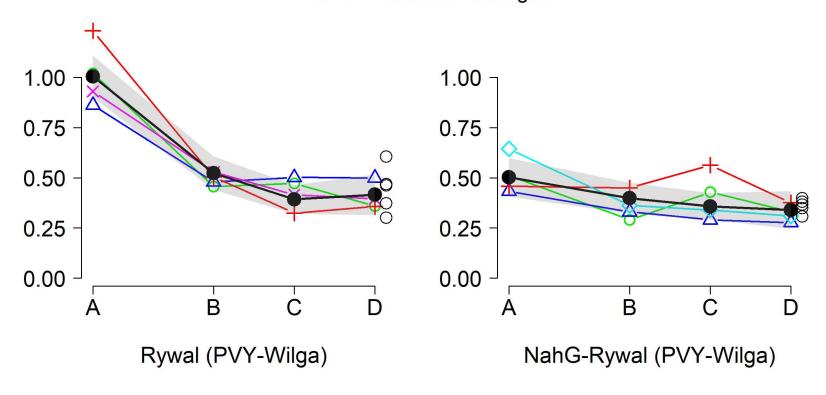
TRXH

1st direction



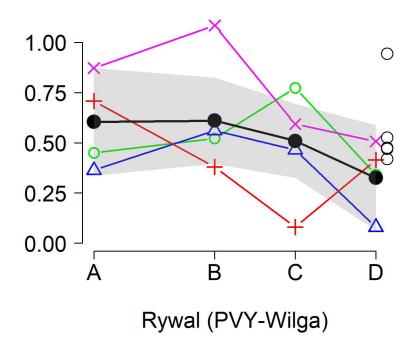
TRXH

1st and 2nd direction averaged

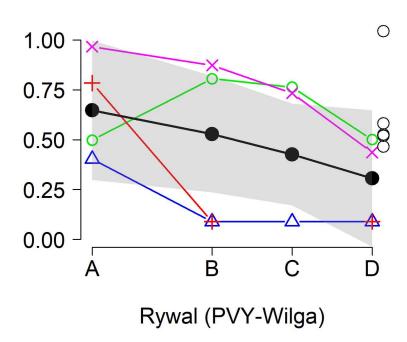


TRXO

1st direction

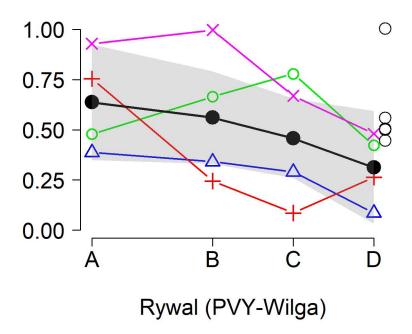


2nd direction

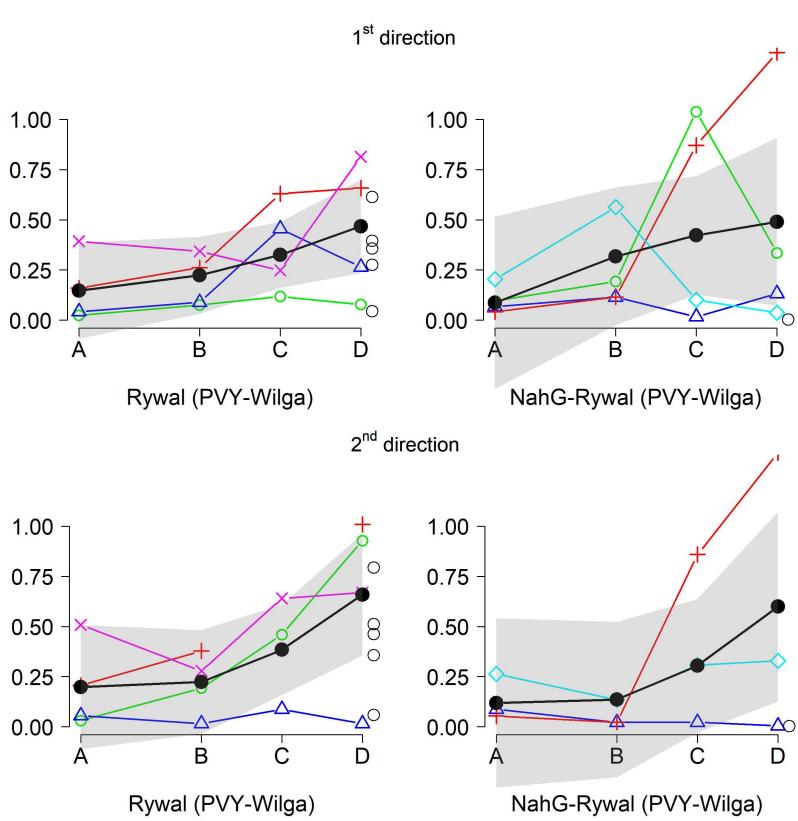


TRXO

1st and 2nd direction averaged



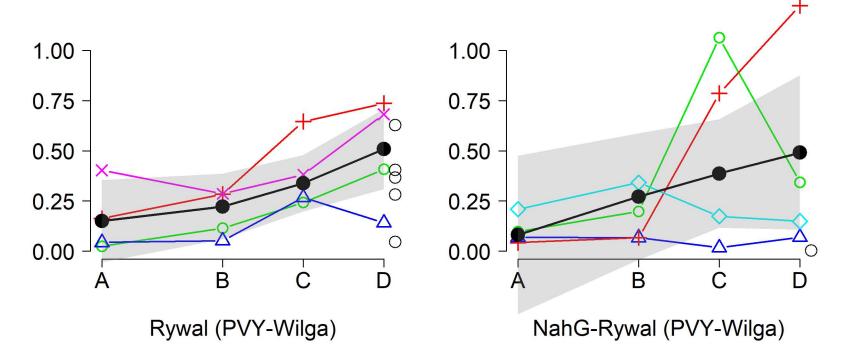
9-LOX



9-LOX

1st and 2nd direction averaged





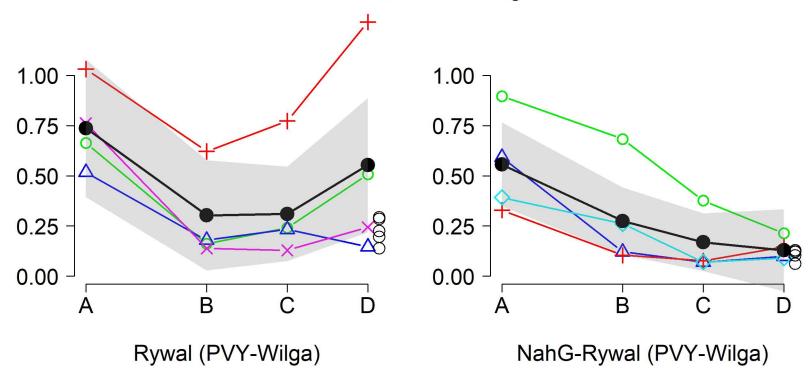
13-LOX 1st direction 1.00 1.00 0.75 0.75 0.50 0.50 0.25 0.25 0.00 0.00 В D В C À À Rywal (PVY-Wilga) NahG-Rywal (PVY-Wilga) 2nd direction 1.00 1.00 0.75 0.75 0.50 0.50 0000 0.25 0.25 0.00 0.00 В В Ċ Α A C D

NahG-Rywal (PVY-Wilga)

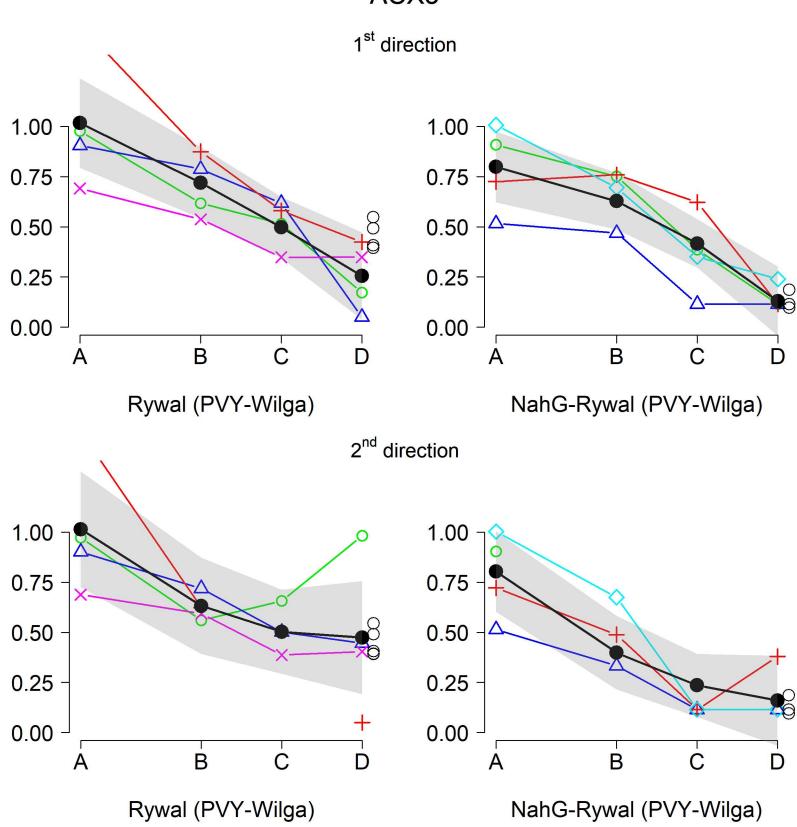
Rywal (PVY-Wilga)

13-LOX

1st and 2nd direction averaged

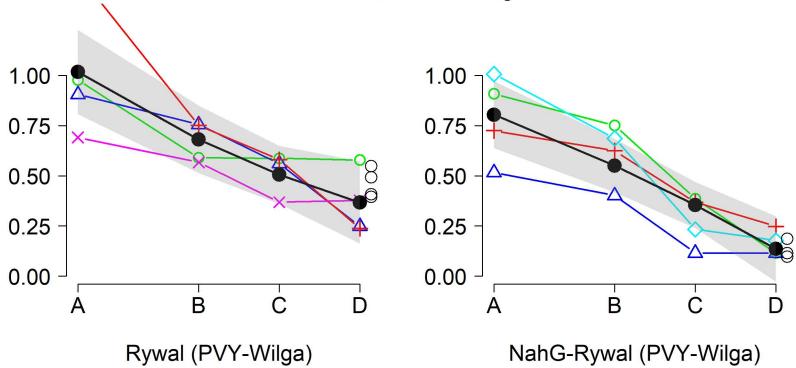


ACX3



ACX3



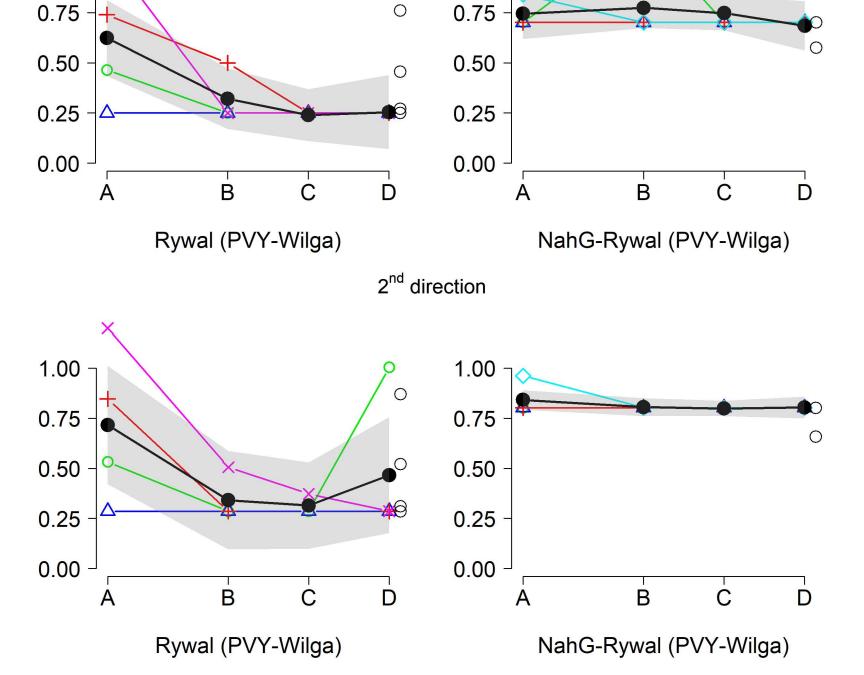


ERF1

1st direction

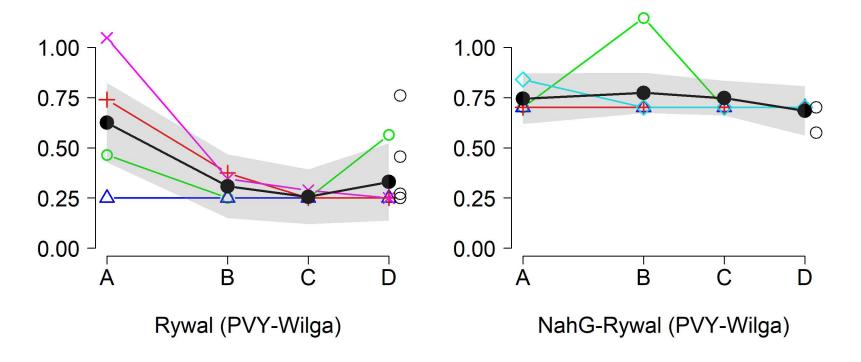
1.00

1.00

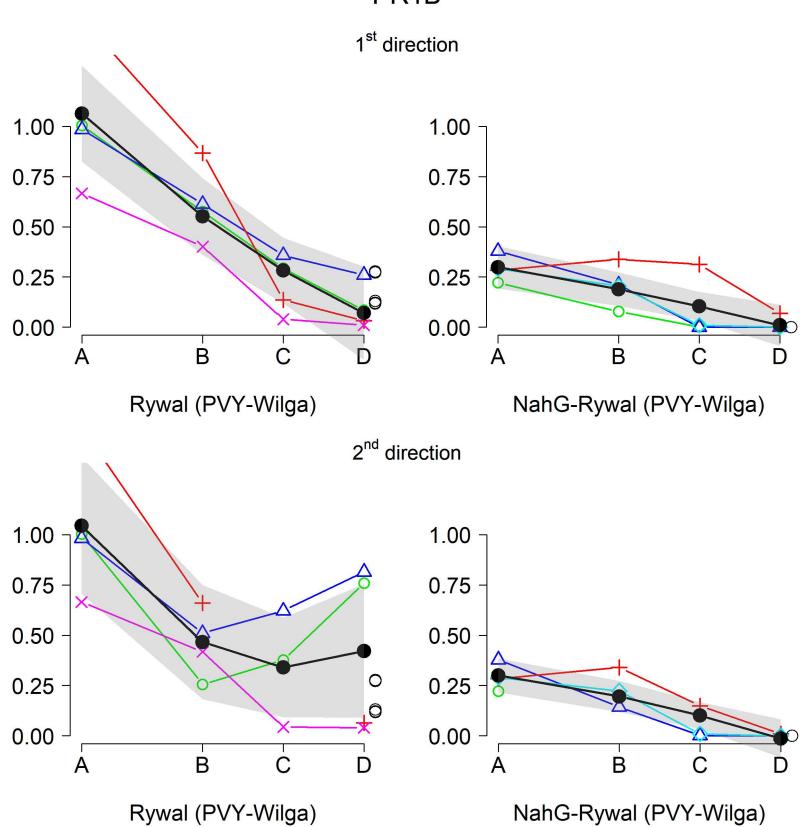


ERF1

1st and 2nd direction averaged

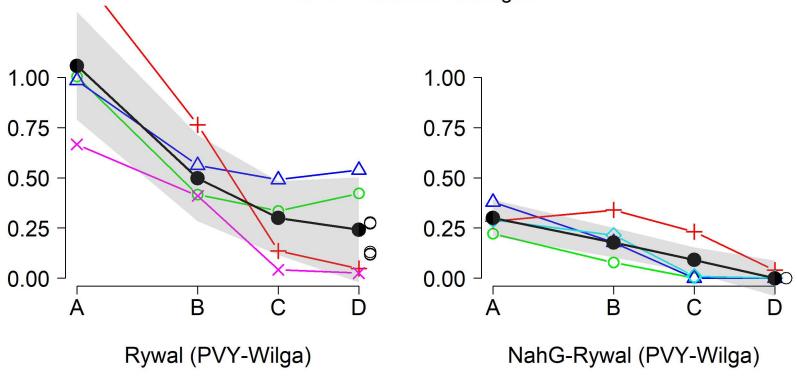


PR1B

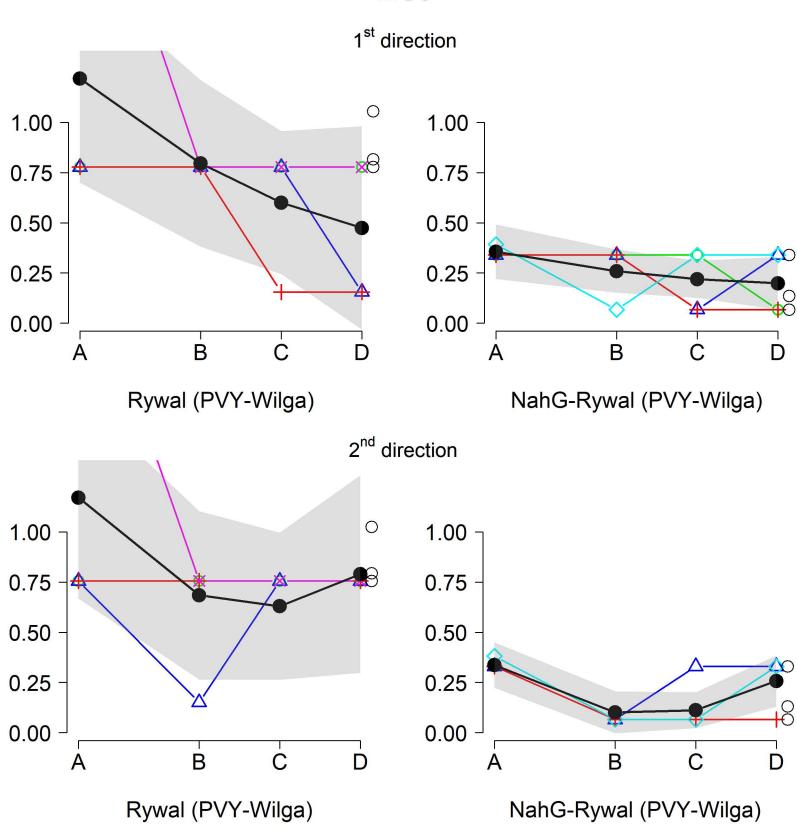


PR1B

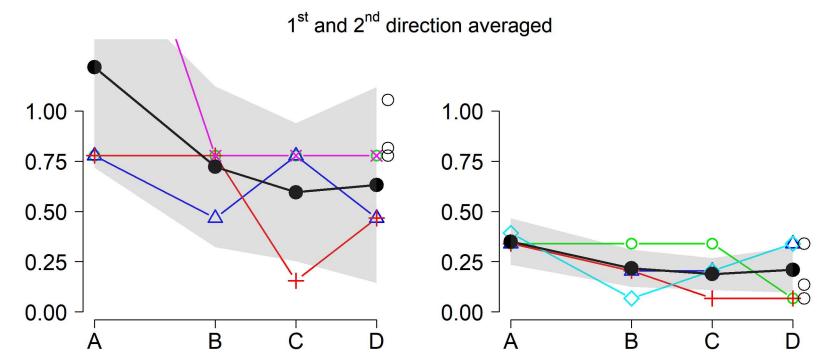
1st and 2nd direction averaged



MC3



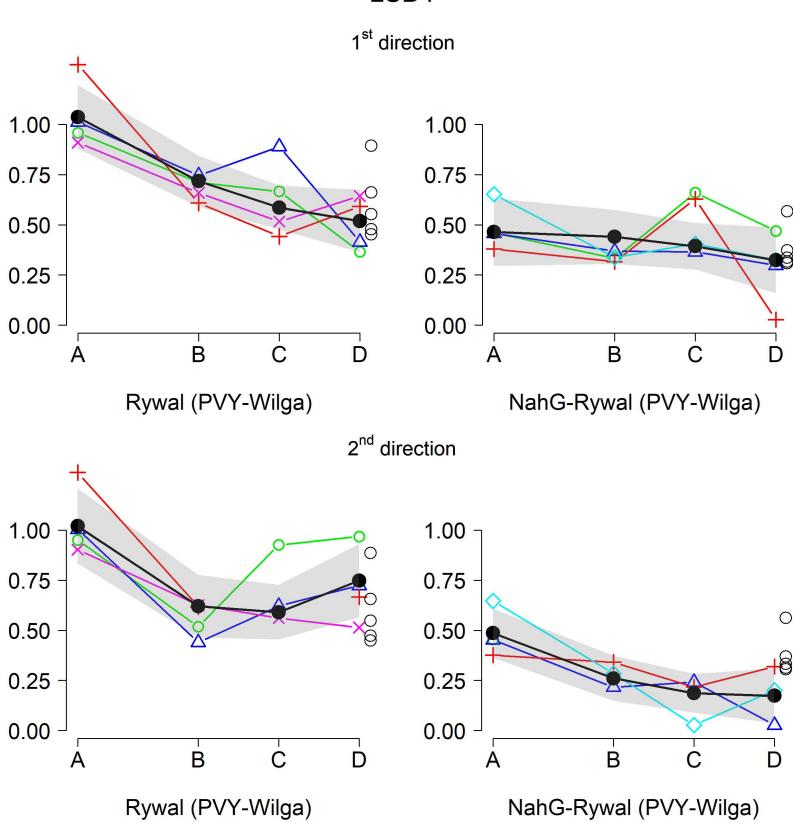
MC3



NahG-Rywal (PVY-Wilga)

Rywal (PVY-Wilga)

LSD1



LSD1

1st and 2nd direction averaged

