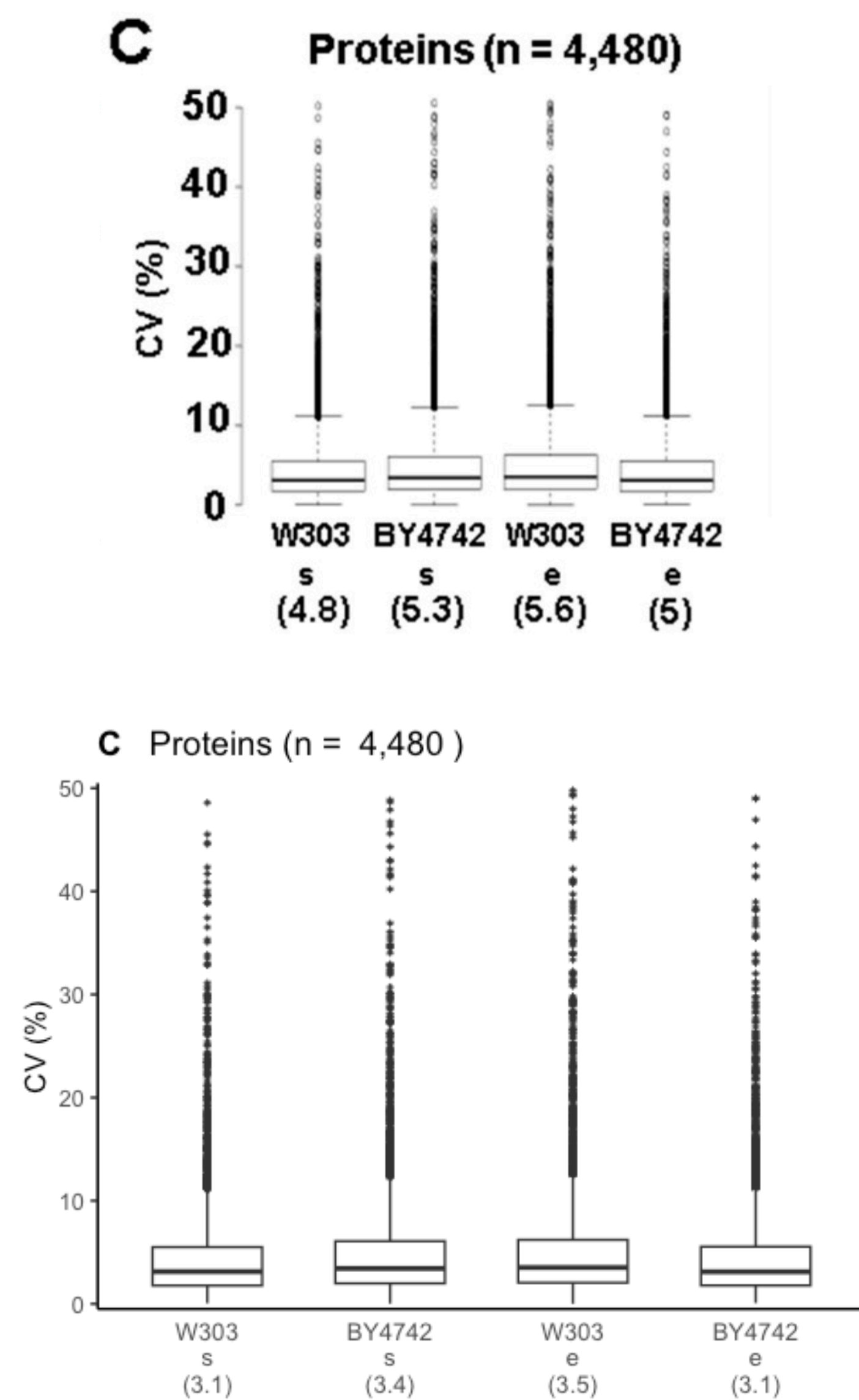
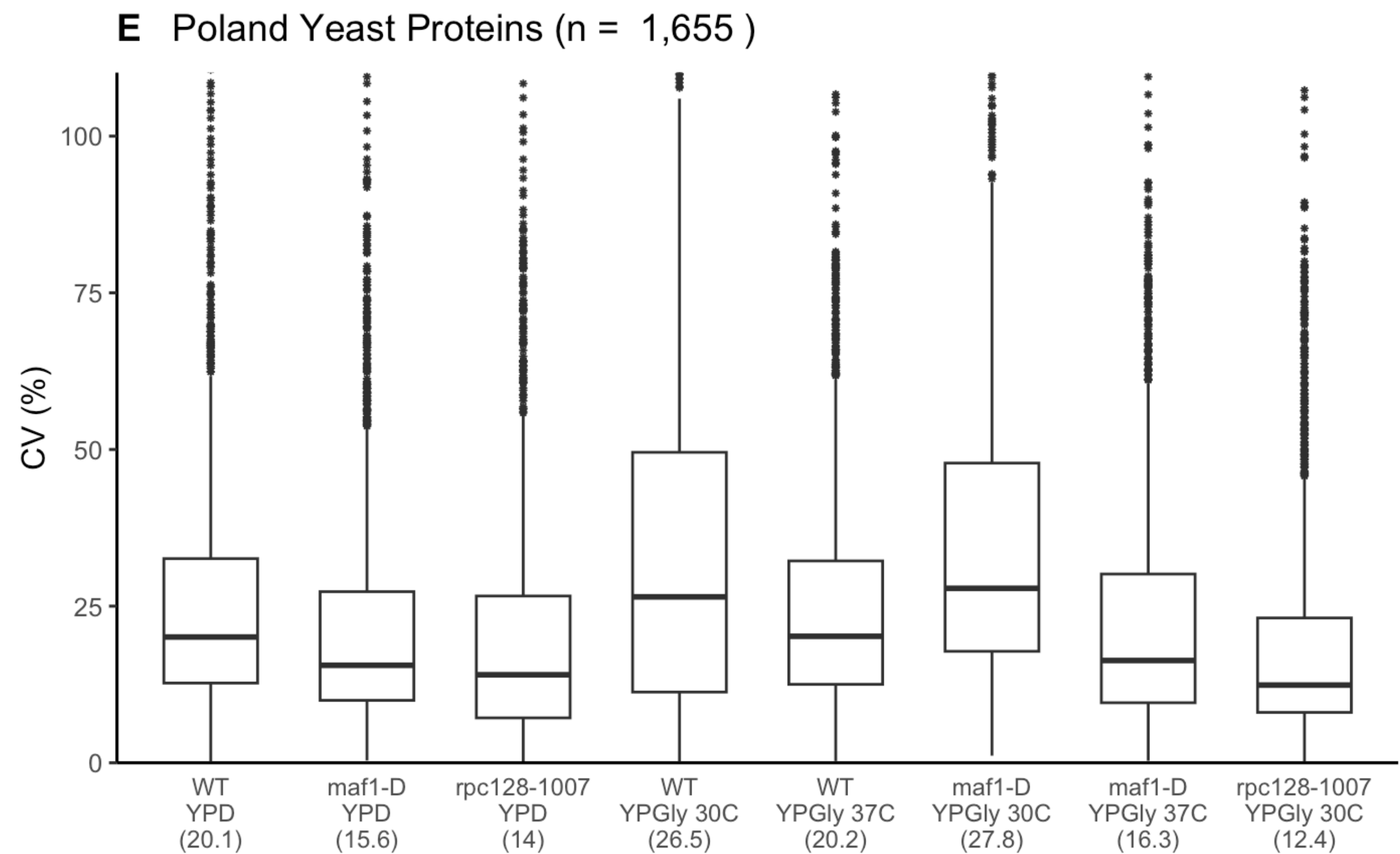


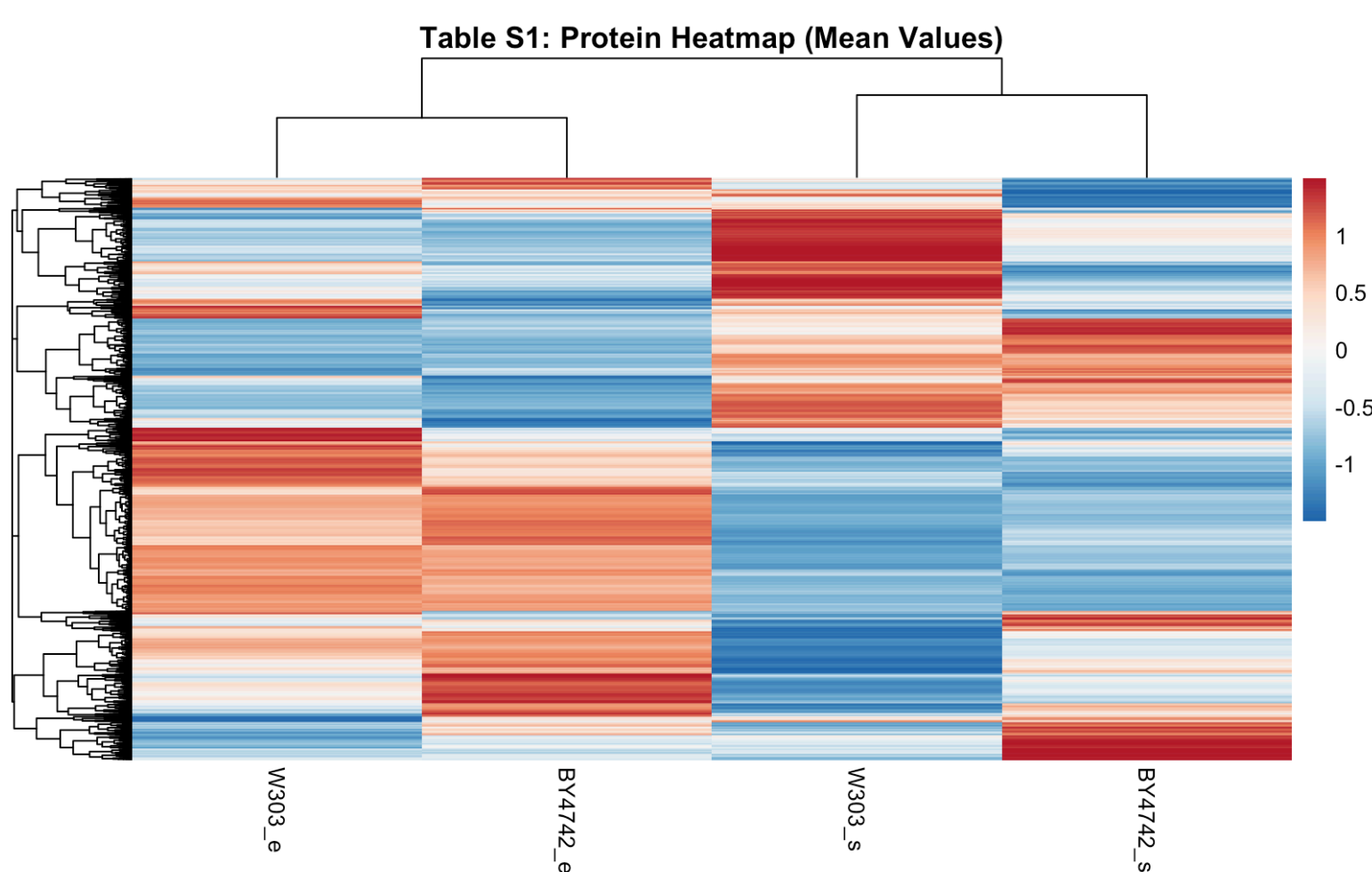
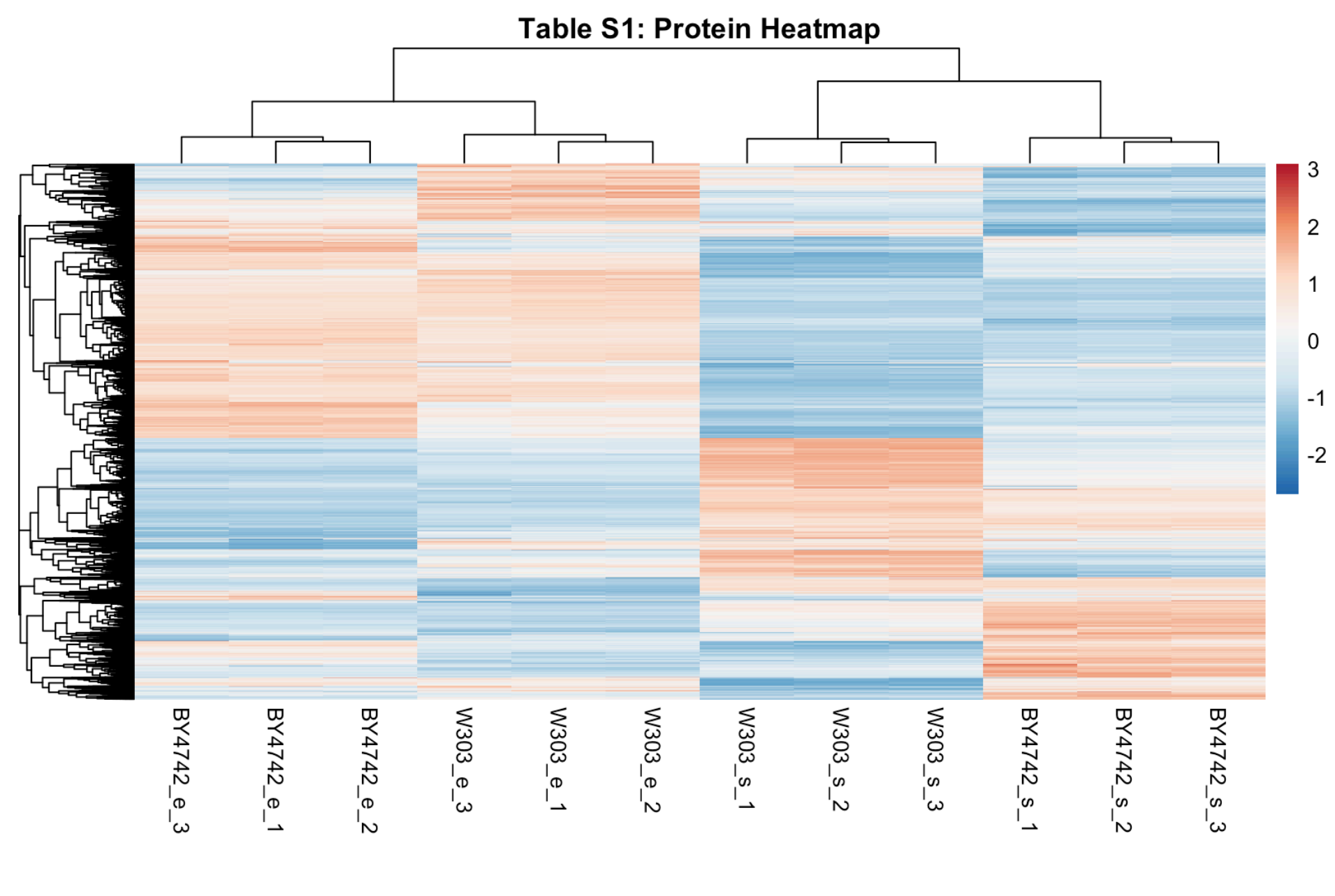
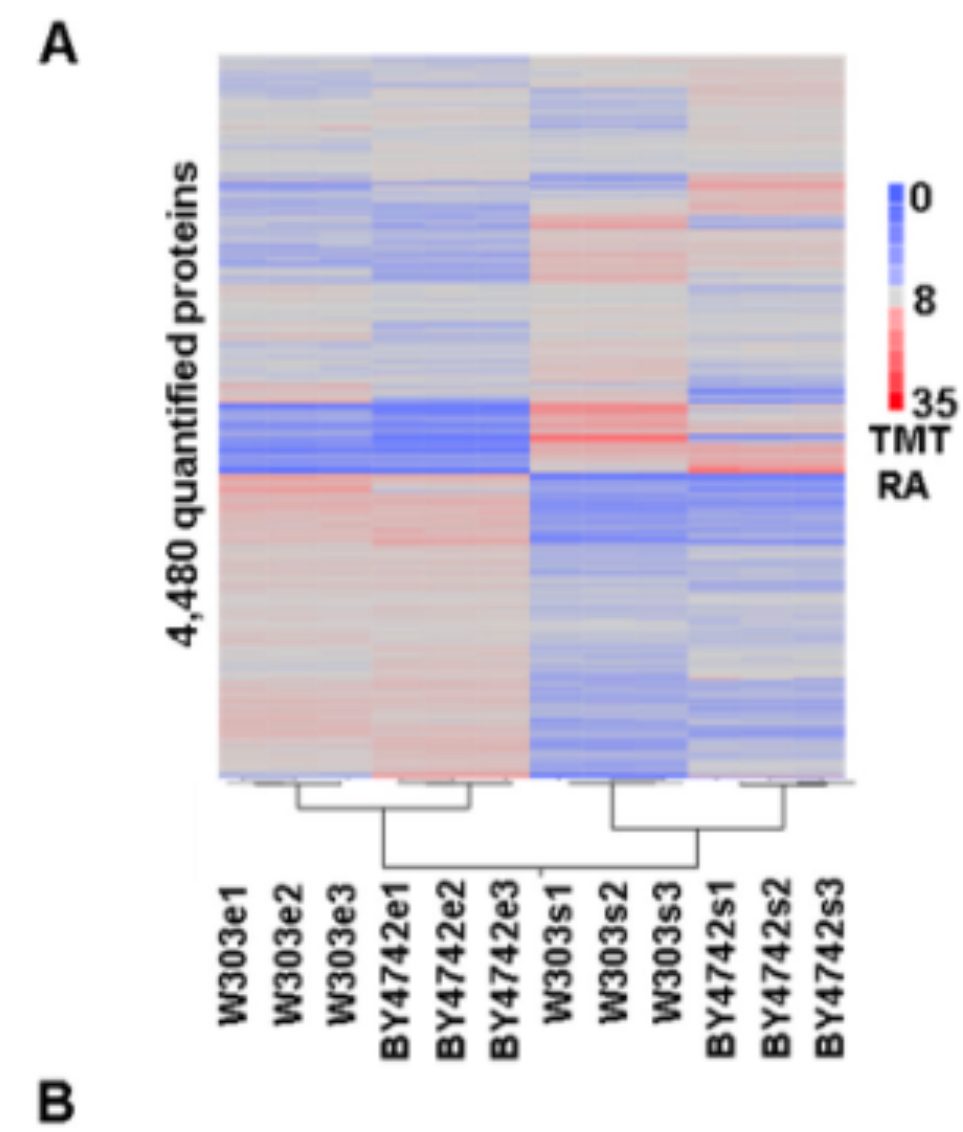
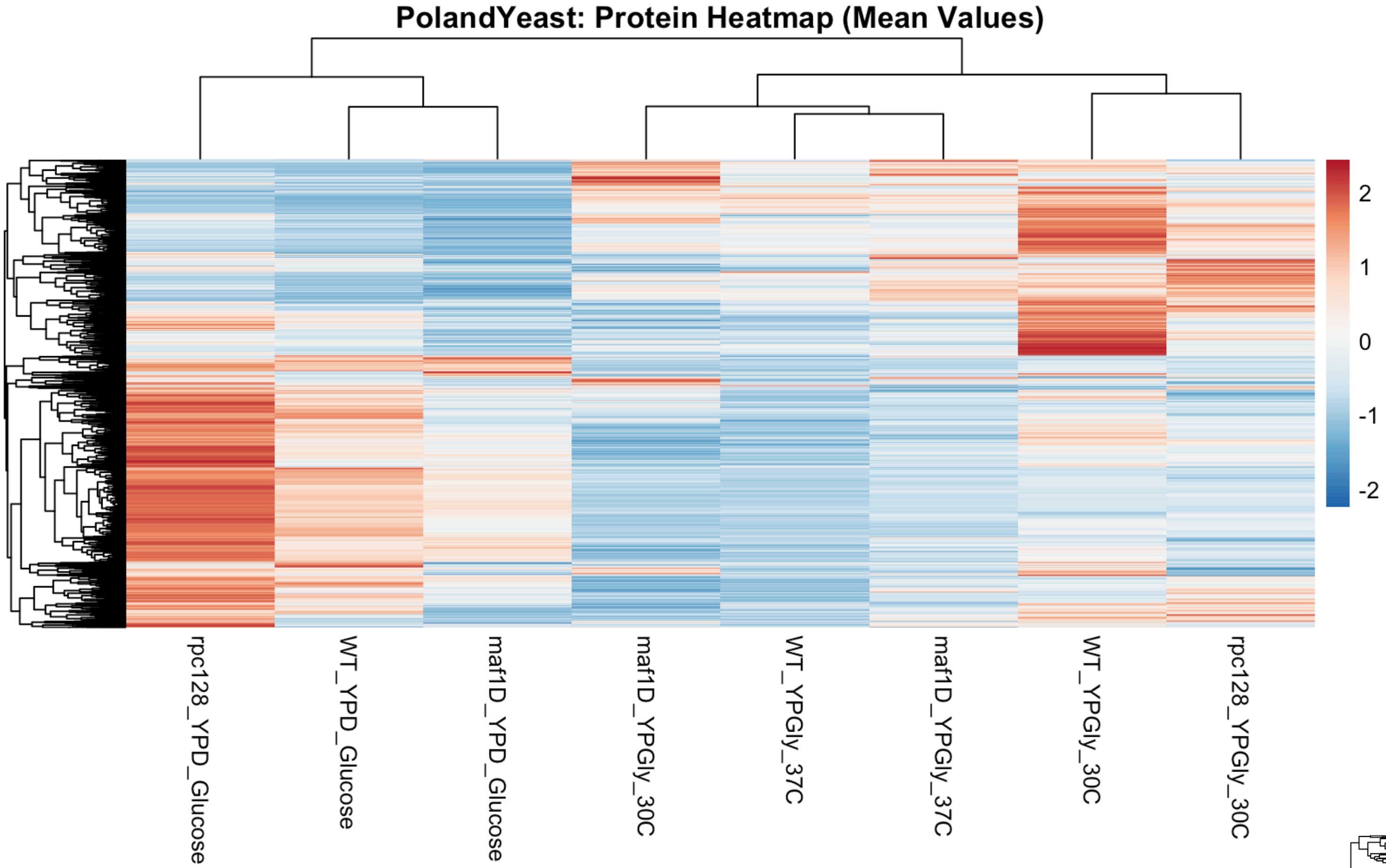
Comparative Proteomic Analysis

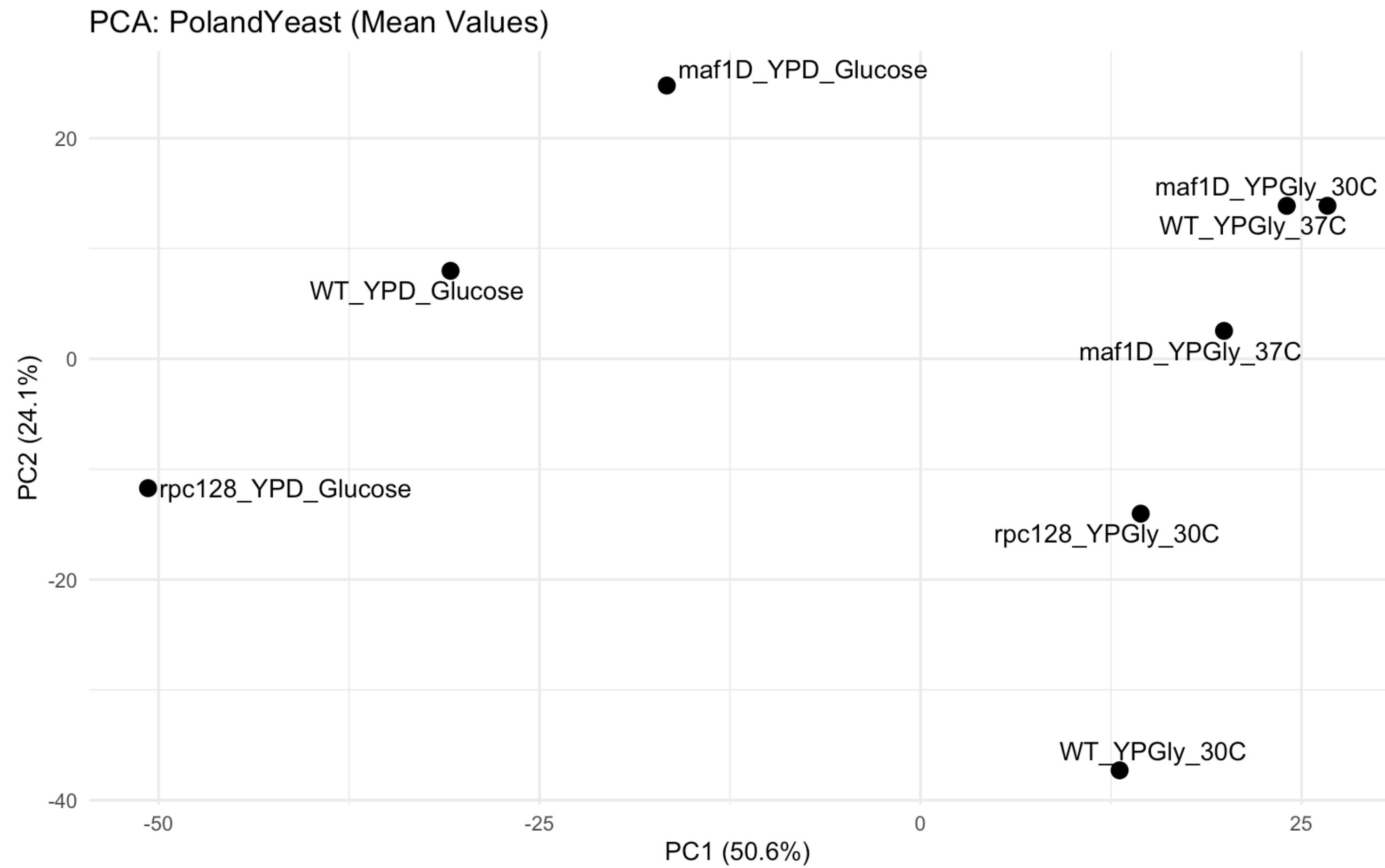
Ignacy Makowski, 4.06.2025

**W303, BY4742 with $\text{maf1}\Delta$ and rpc128-1007
mutants**

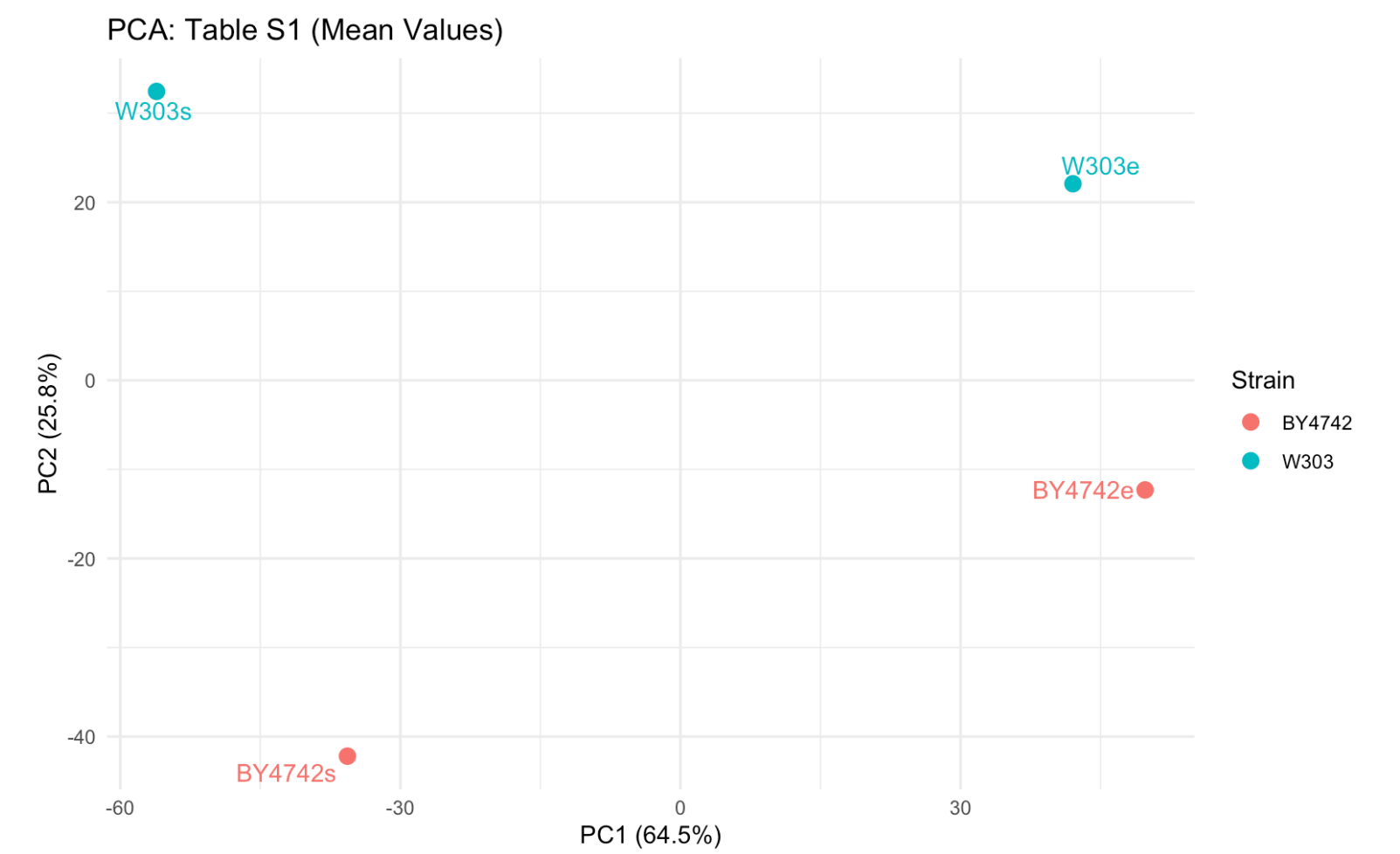
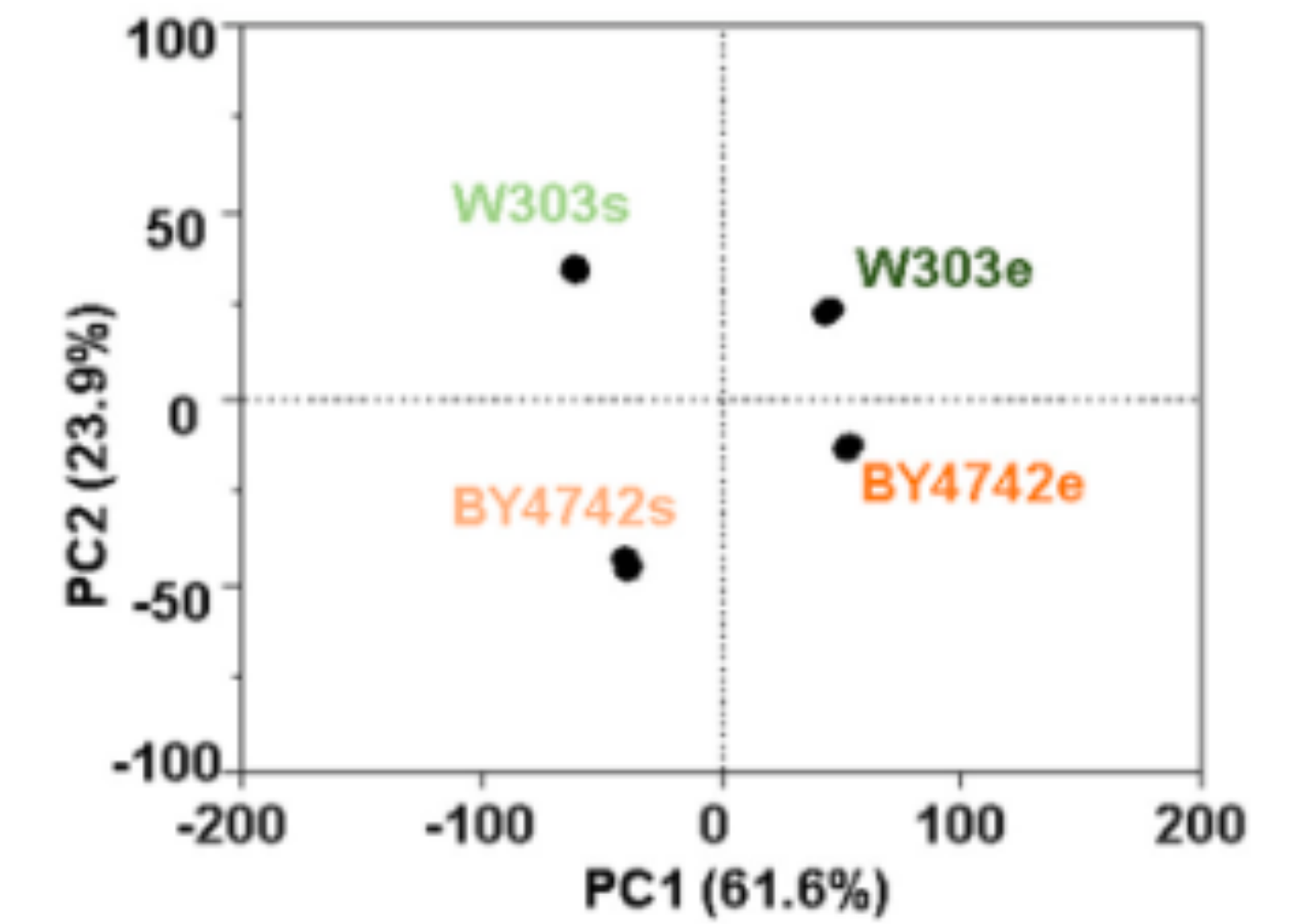
Reproduction of the analysis



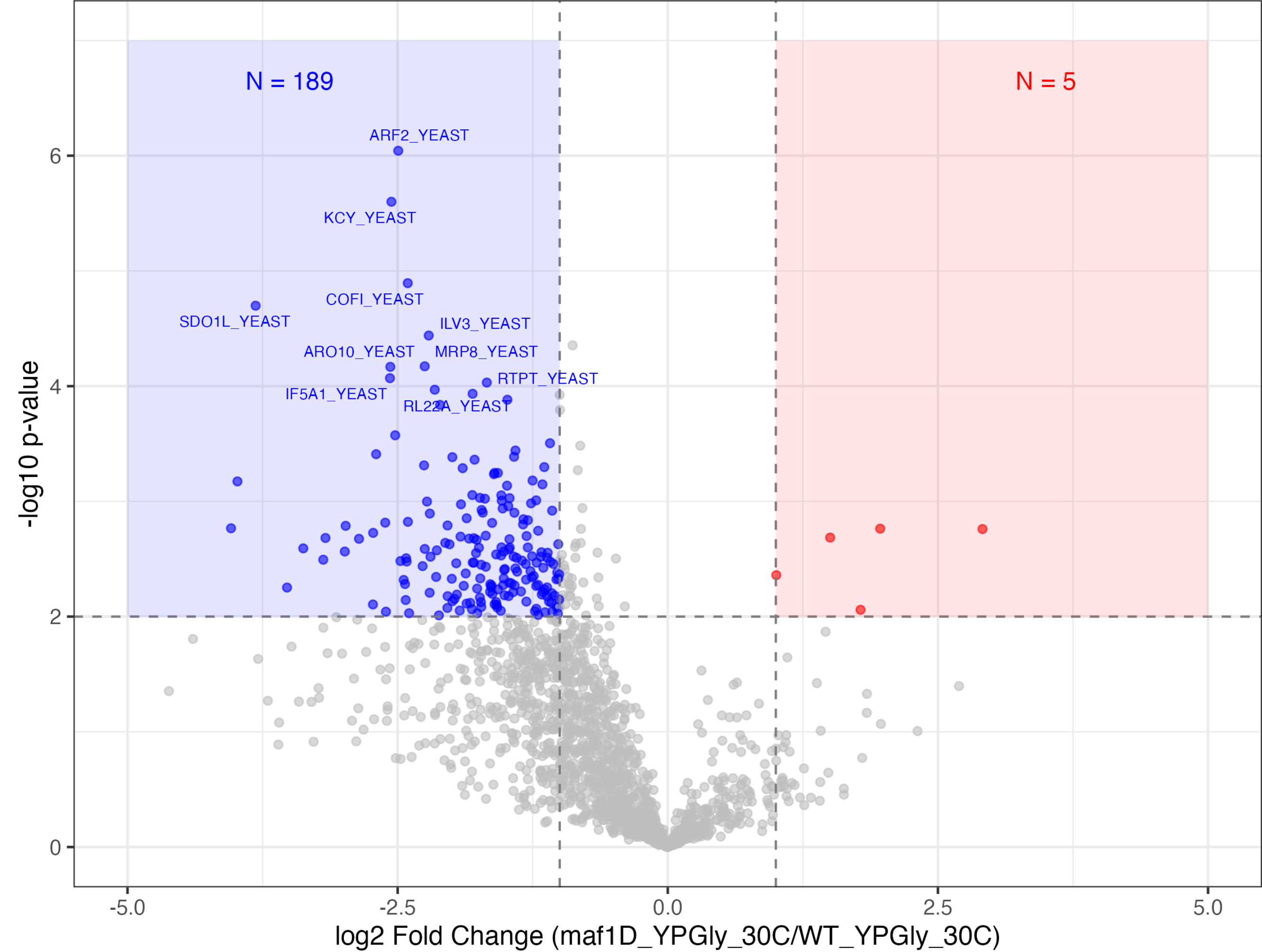




B

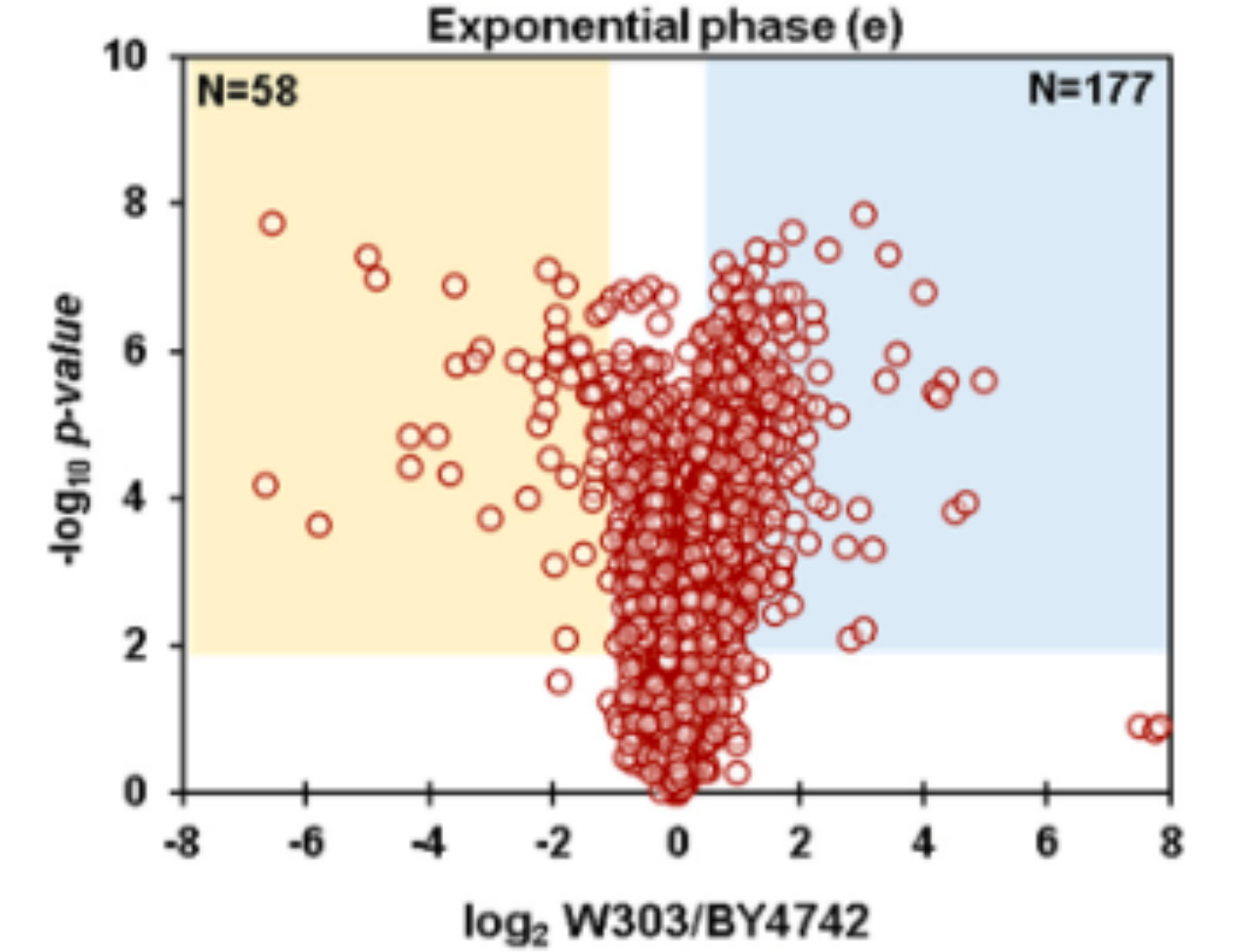


D : maf1D_YPGly_30C vs. WT_YPGly_30C

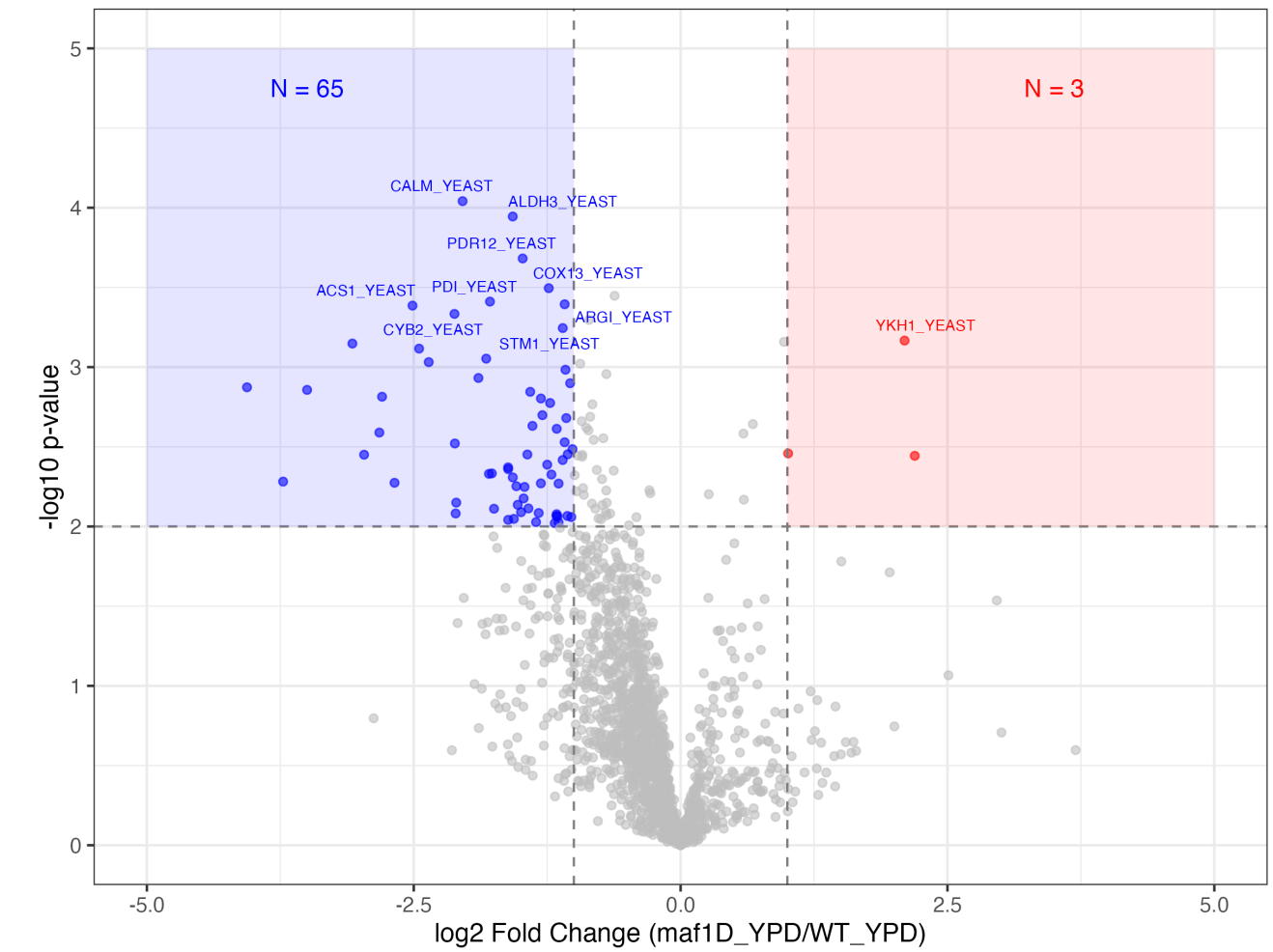


Significance ● Upregulated in *maf1D_YPGly_30C* ● Upregulated in *WT_YPGly_30C* ● Not Significant

C

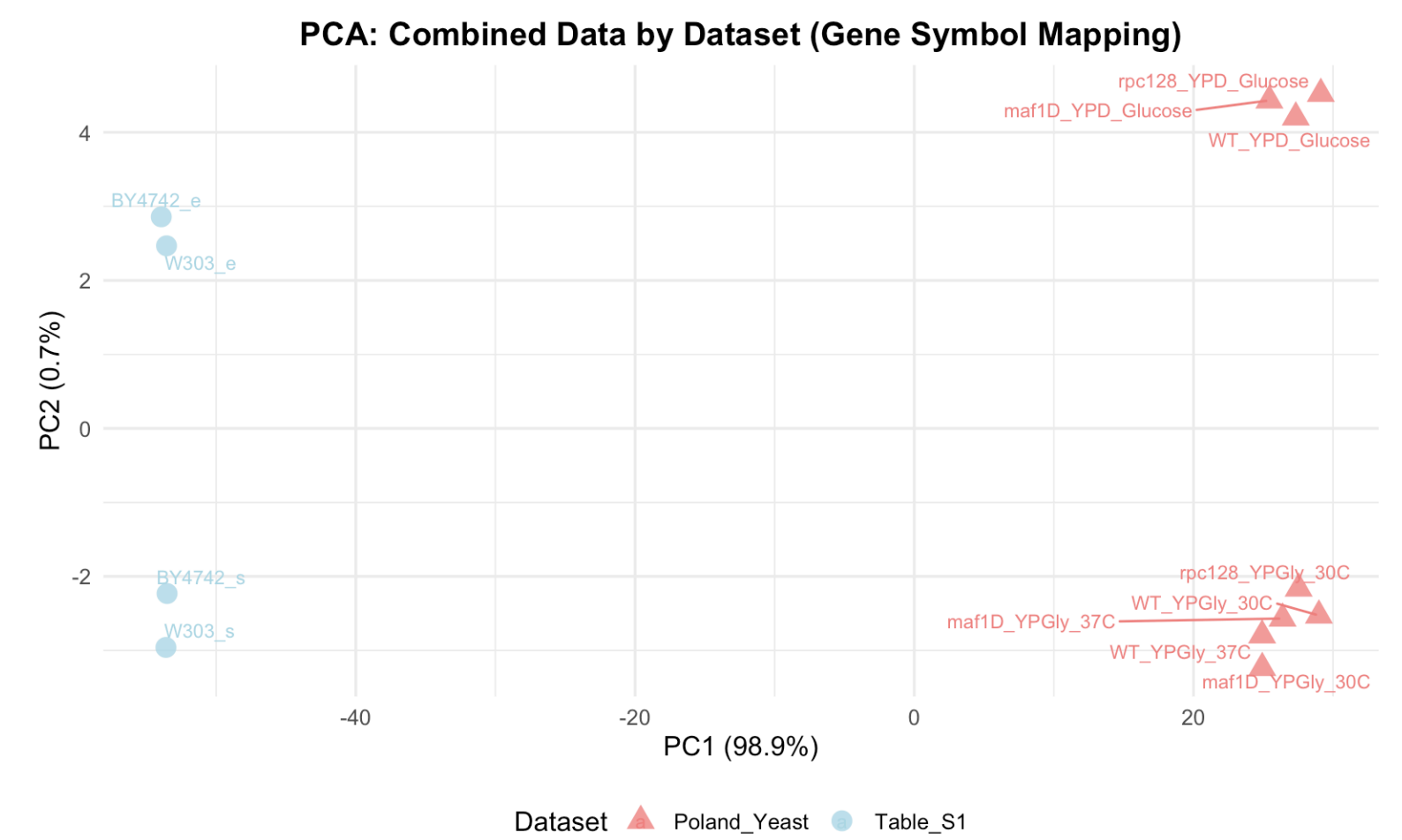
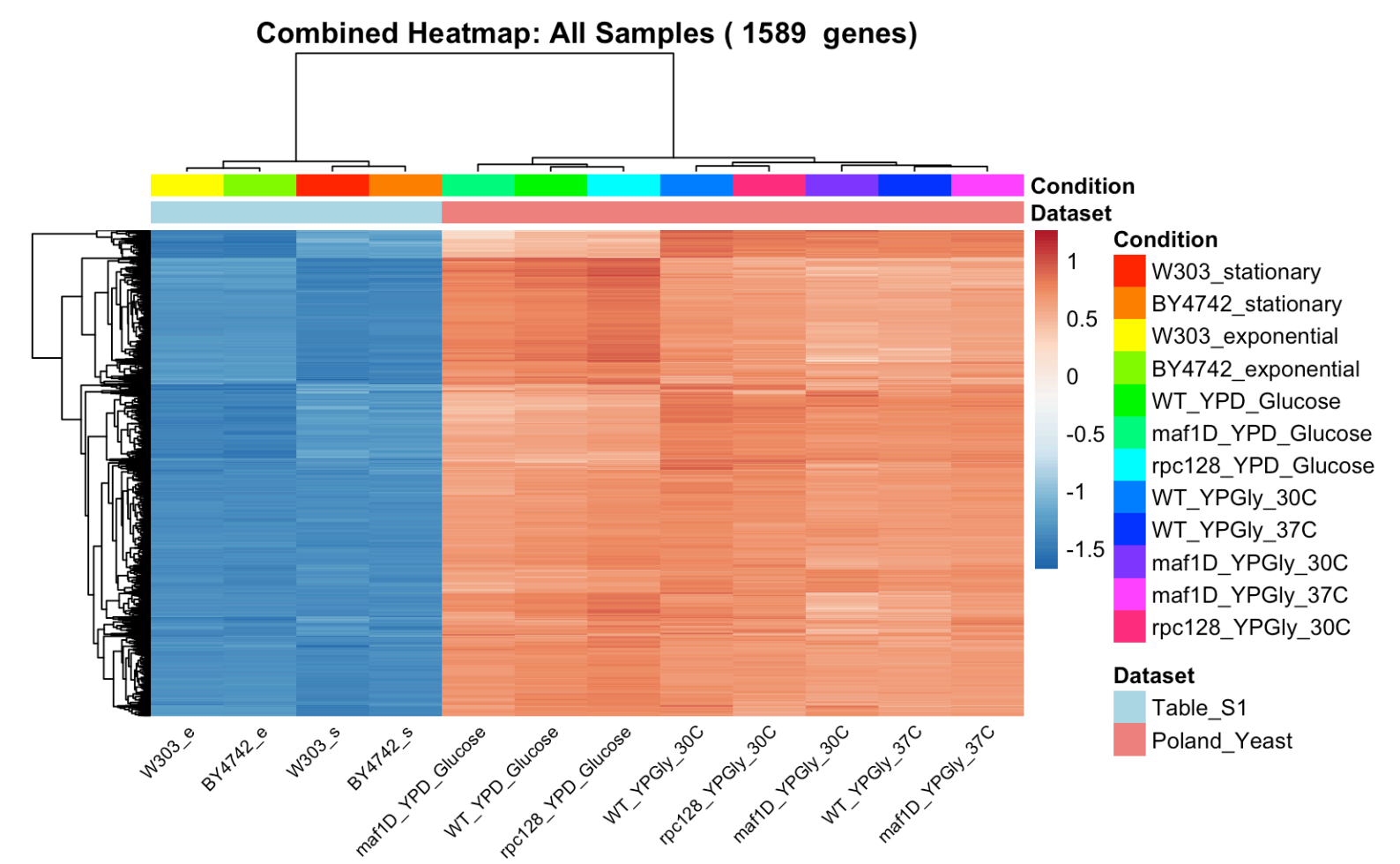
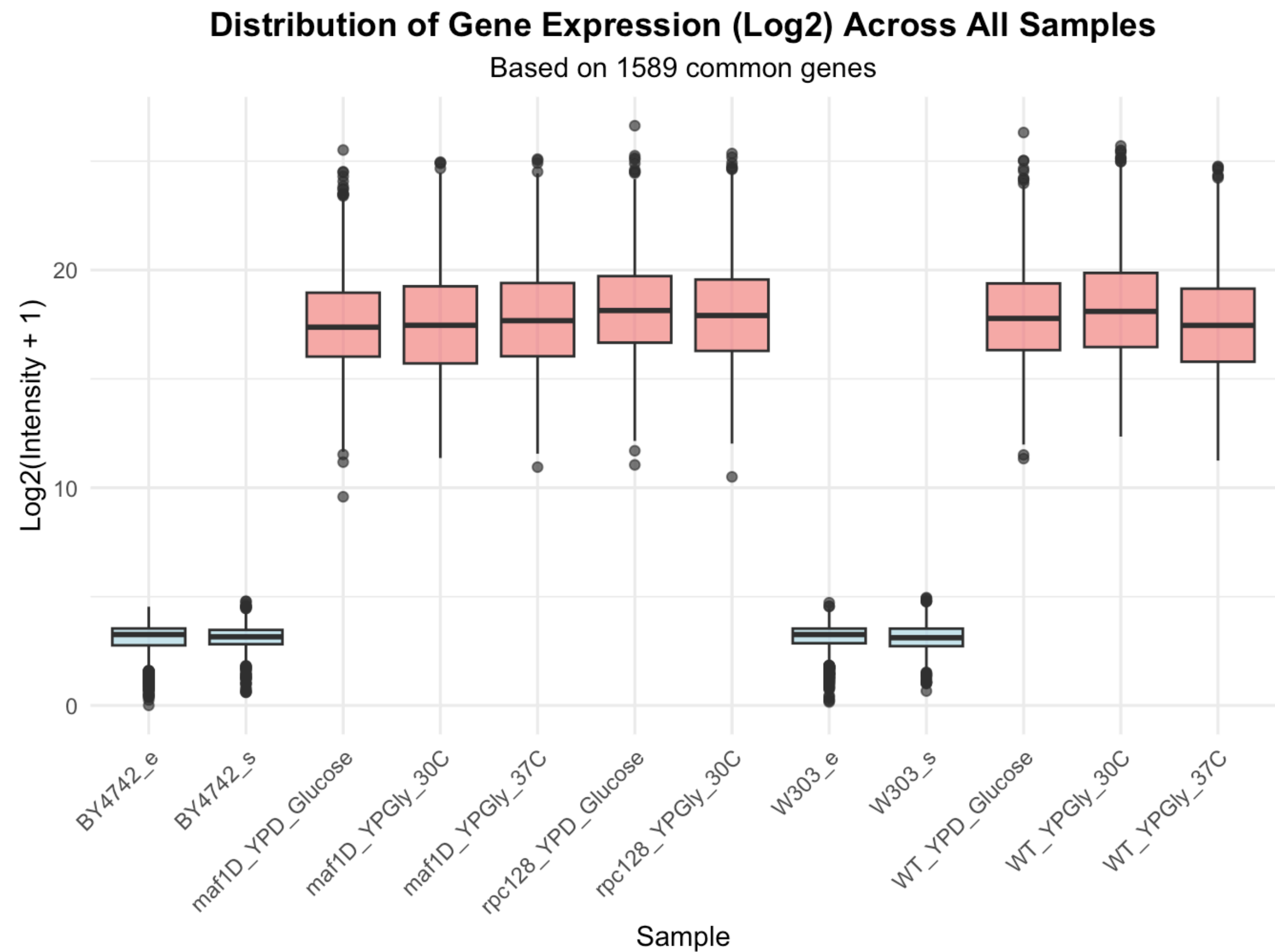


C : maf1D_YPD vs. WT_YPD

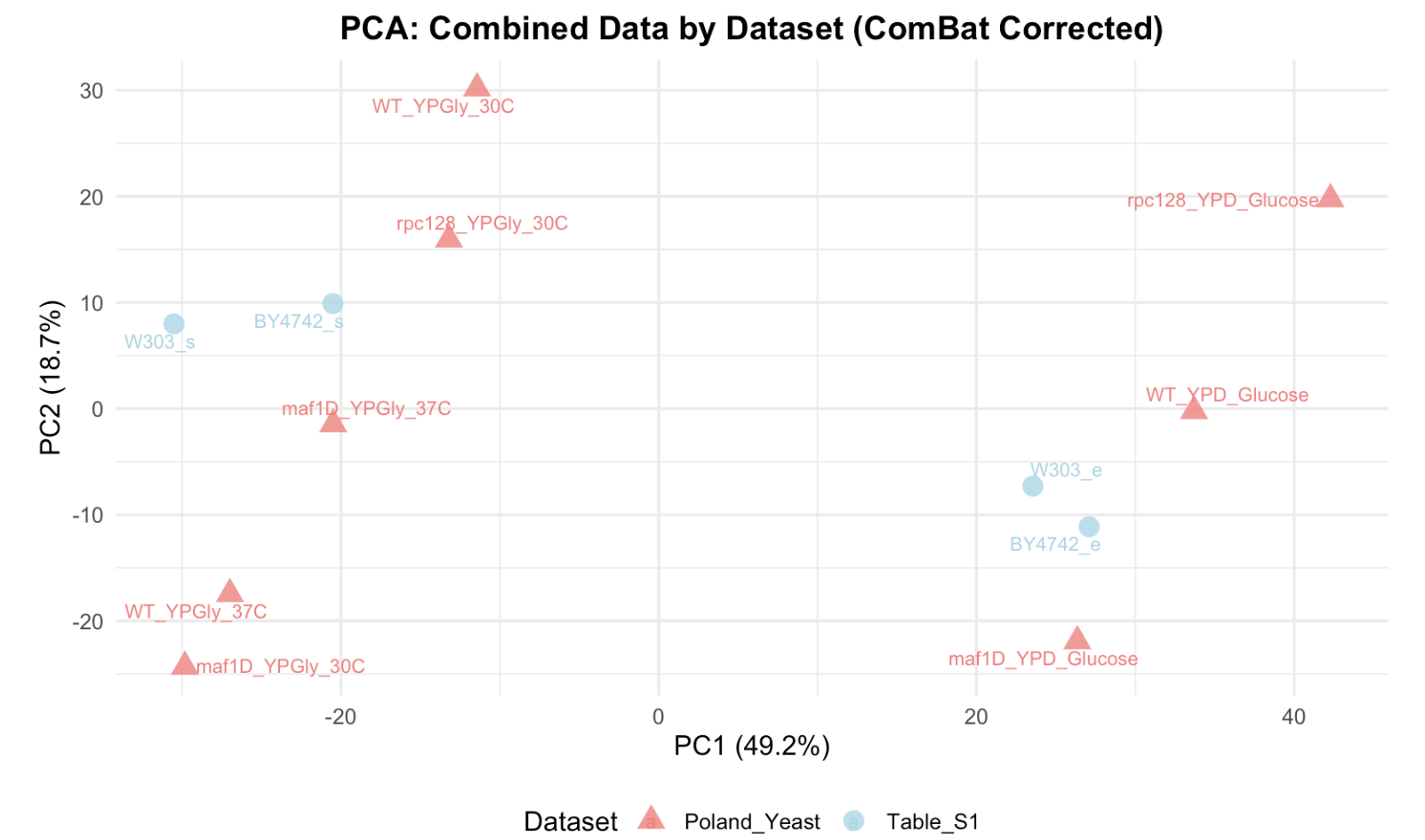
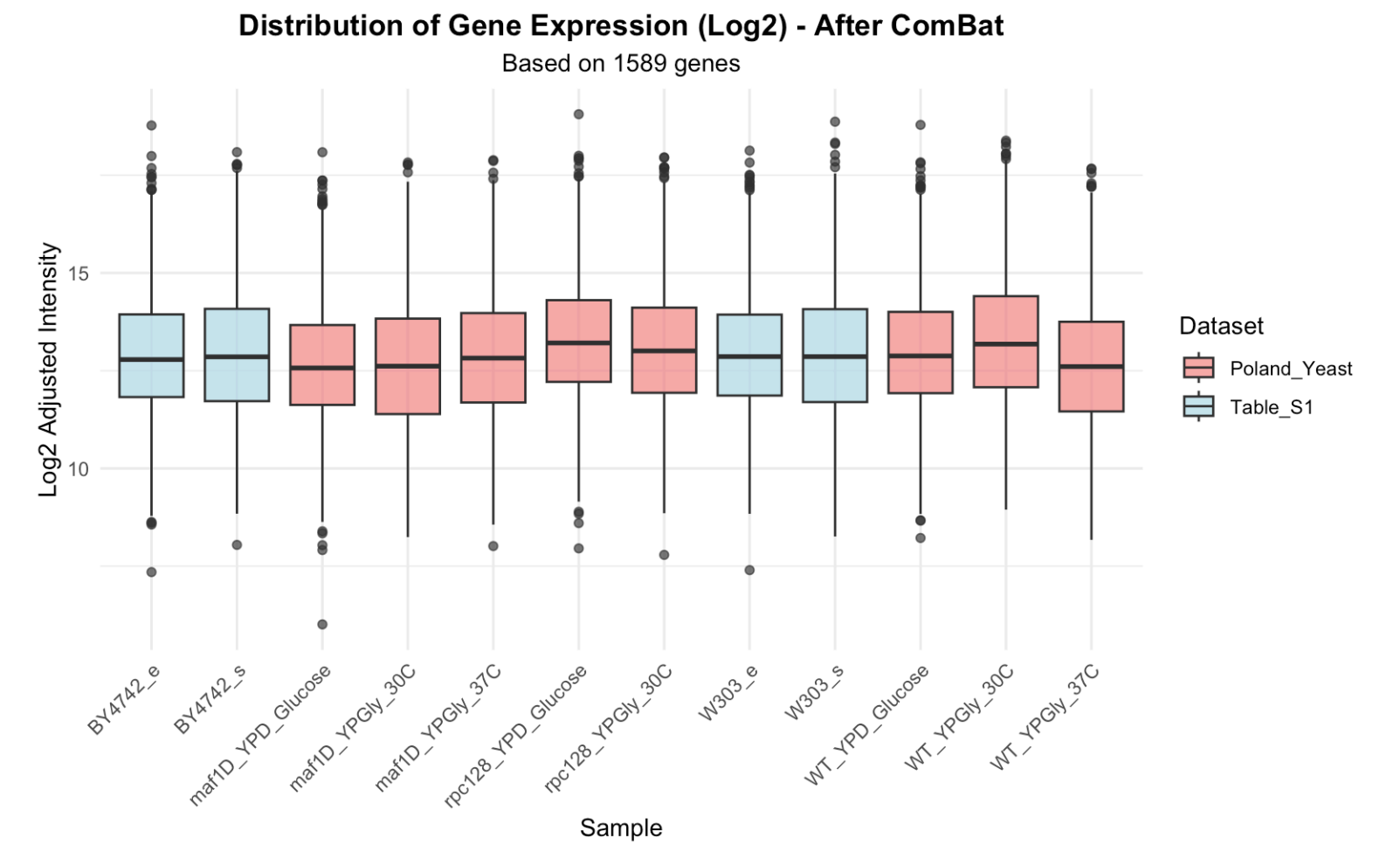
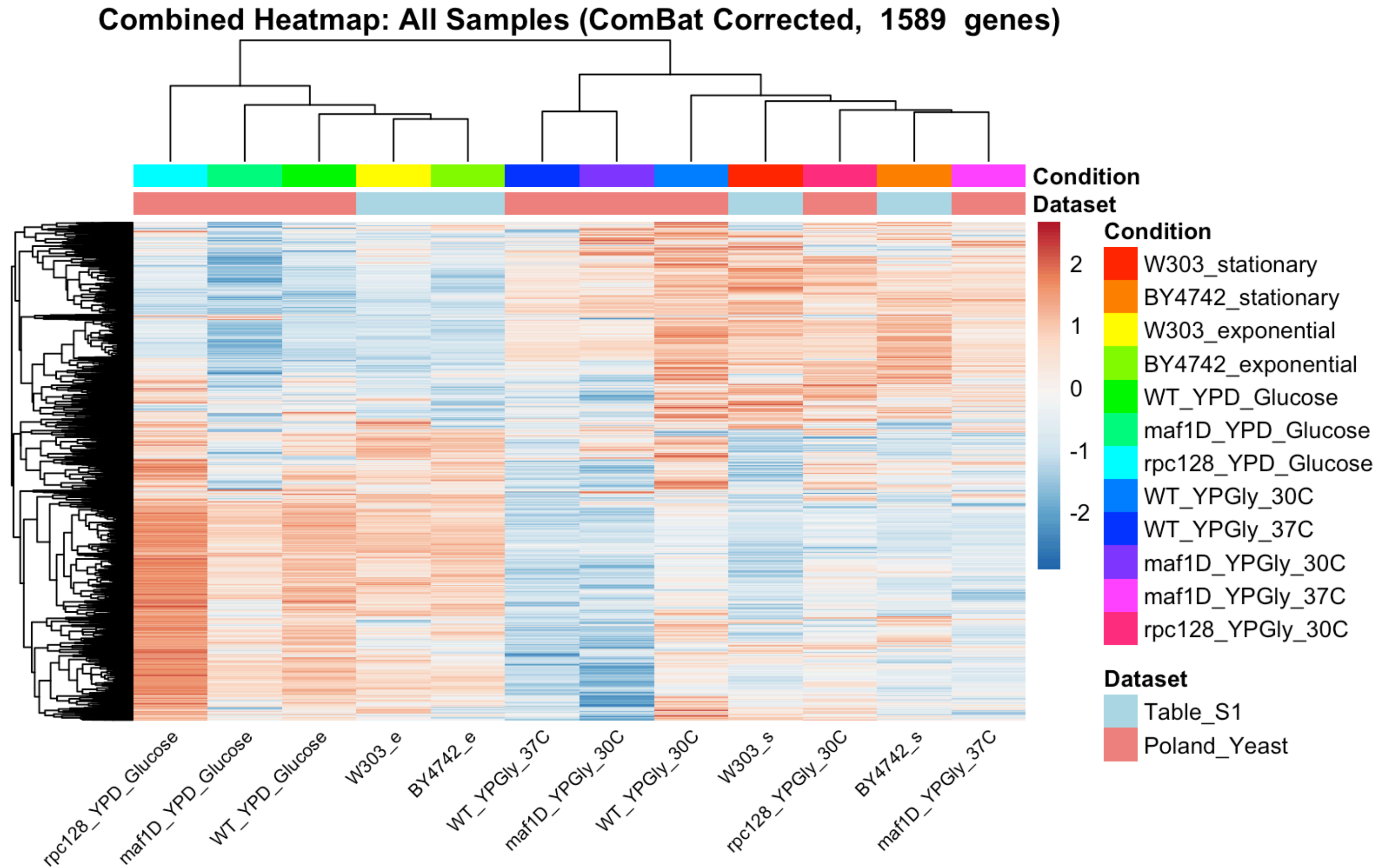


Significance ● Upregulated in *maf1D_YPD* ● Upregulated in *WT_YPD* ● Not Significant

**Combined analysis
without batch correction**

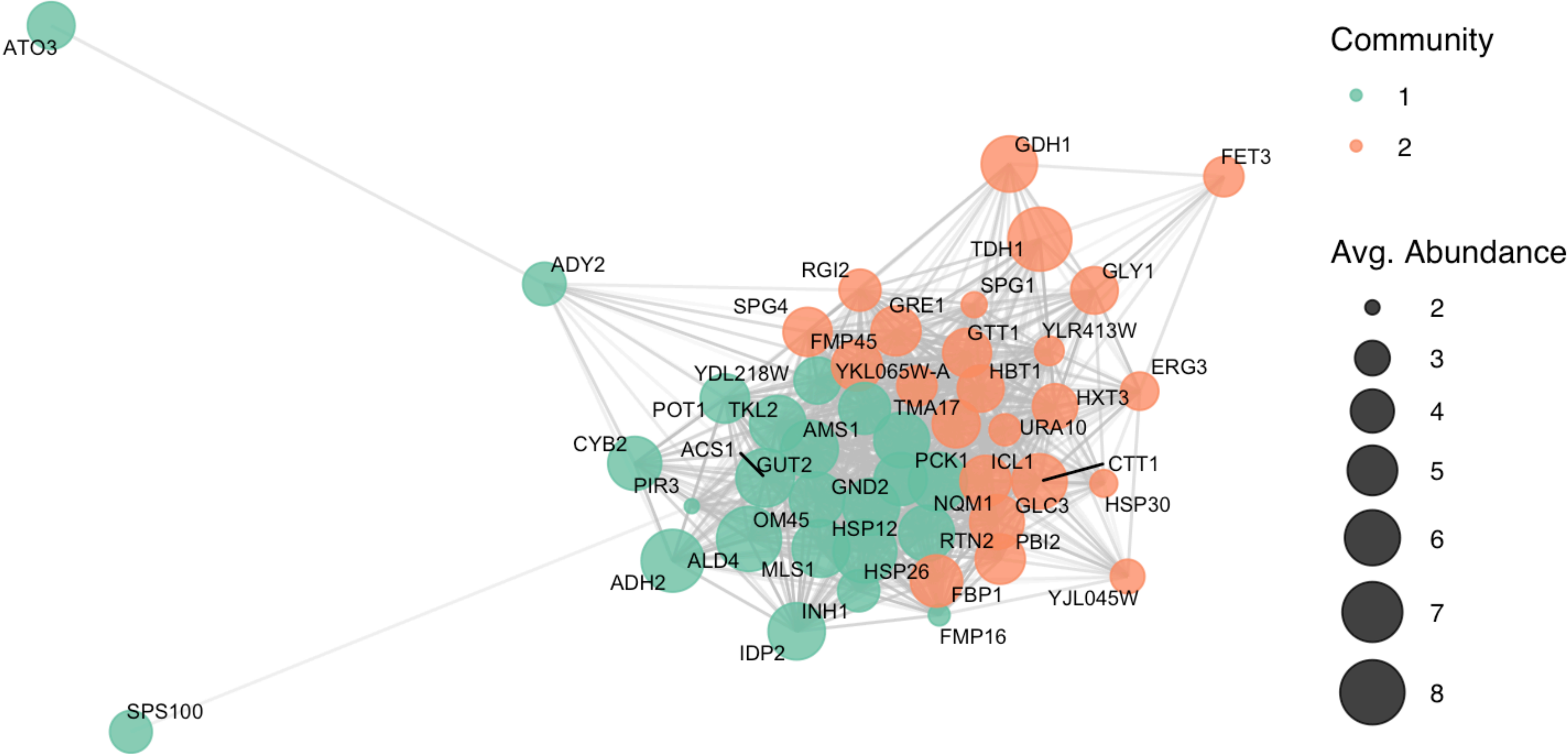


Combined analysis
Combat corrected



Protein Co-expression Network (Top 50 Variable Proteins)

Edges shown for $|correlation| > 0.85$



Bibliography

- Rossio, Valentina et al. “Comparative Proteomic Analysis of Two Commonly Used Laboratory Yeast Strains: W303 and BY4742.” *Proteomes* vol. 11,4 30. 9 Oct. 2023, doi:10.3390/proteomes11040030