

Red blotch disease alters grape berry development and metabolism by interfering with the transcriptional and hormonal regulation of ripening

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Supplementary Figures

Figure S1. Geographic location of the two vineyards in California where berry sampling was performed.

Figure S2. Scatterplots showing the correlation between the fold changes (\log_2) in expression obtained by processing the RNAseq data with DESeq2 and the fold changes (\log_2) measured by qRT-PCR. Relative expression was calculated using VIT_02s0012g00910, VIT_18s0001g00360 and VIT_04s0044g00580 (VvActin) to choose the best performing reference gene. Linear trends, correlation coefficients (r) and P-values are provided.

Figure S3. Viral titers in grape berries based on qPCR amplification of GRBaV DNA. Pre-v, Pre-véraison; V, véraison; Post-v, post-véraison; H, harvest. Error bars correspond to the standard error.

-123.0

-122.8

-122.6

-122.4

Longitude

Latitude 38.6

● Healdsburg

Santa Rosa

● Oakville

38.4

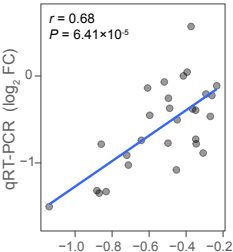
Napa

Petaluma

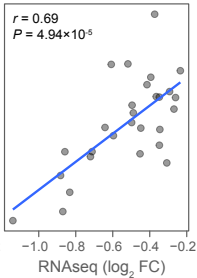
38.2



VIT_02s0012g00910



VIT_18s0001g00360



VvActin

