Supplementary Material

***Fhb1* disease resistance QTL does not exacerbate wheat grain protein loss at elevated CO2**

**William T. Hay1\*, James A. Anderson2, David F. Garvin2, Susan P. McCormick1, Martha M. Vaughan1**

1USDA, Agricultural Research Service, National Center for Agricultural Utilization Research, Mycotoxin Prevention and Applied Microbiology Unit, 1815 N, University Street, Peoria, IL 61604, USA.

2Department of Agronomy & Plant Genetics, University of Minnesota, St. Paul, MN 55108, USA

**\* Correspondence:**Corresponding Author
William.Hay@usda.gov, 309-681-6361; ORCID ID: 0000-0001-8784-6591

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## Supplementary Figures



**Supplementary Figure 1**. Linear correlations between seed fill days and grain protein only in wheat at elevated CO2, in moderately susceptible wheat cultivars. Linear fits were produced, and the analysis of variance was performed using JMP V15.0.



**Supplementary Figure 2**. Principal component analysis (PCA) of wheat cultivars grown at ambient and elevated CO2. The biplot displays each cultivar in relation to the two principal components which account for the greatest variance of wheat agronomic data. Coordinates for each cultivar observation are calculated in an orthoganal linear transformation by the pair of principal components. The centroid position of each cultivar is represented by a red square with a corresponding cultivar label; cultivar details can be found in Table 1. Arrows represent the influence of each independent variable on the principal components.