

Figure S1. Correlation matrix for untransformed BLUP values for 11 elemental grain phenotypes in the Ames panel. Pearson's correlation coefficients (r) calculated with the function 'cor' in R are presented in the upper triangle, whereas the corresponding P-values for the significance of correlations ($\alpha = 0.05$) are displayed below the diagonal. The untransformed BLUP values were used to represent the true directionality of the relationship between phenotypes.