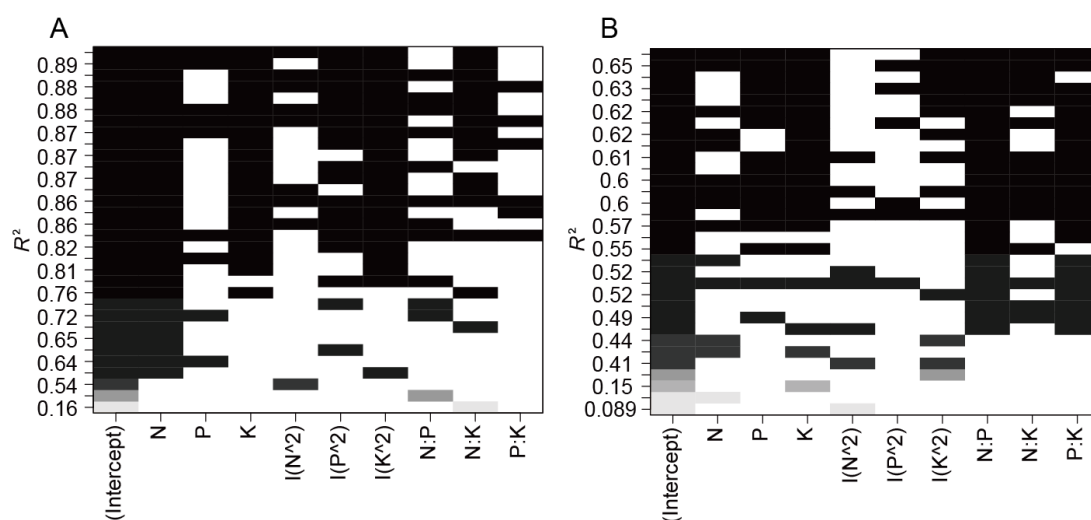**Figure S1.** Grain yield of Zhonghuang 35 based on the different treatment combinations.

Figure S2. The adjusted r^2 on the quadratic polynomial regression model with different components for grain yield (A) and plant biomass (B), the number on the left means r^2 of the model with the component colored in "black" for each row.