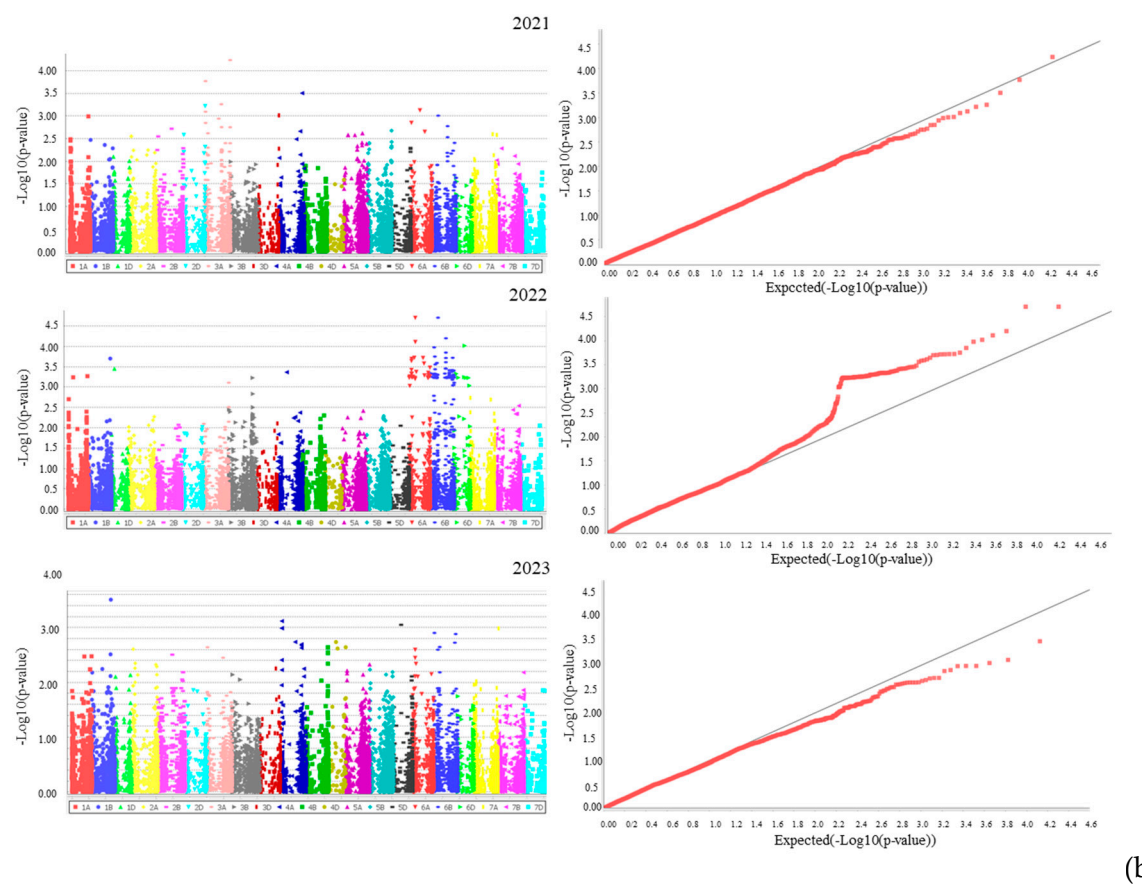
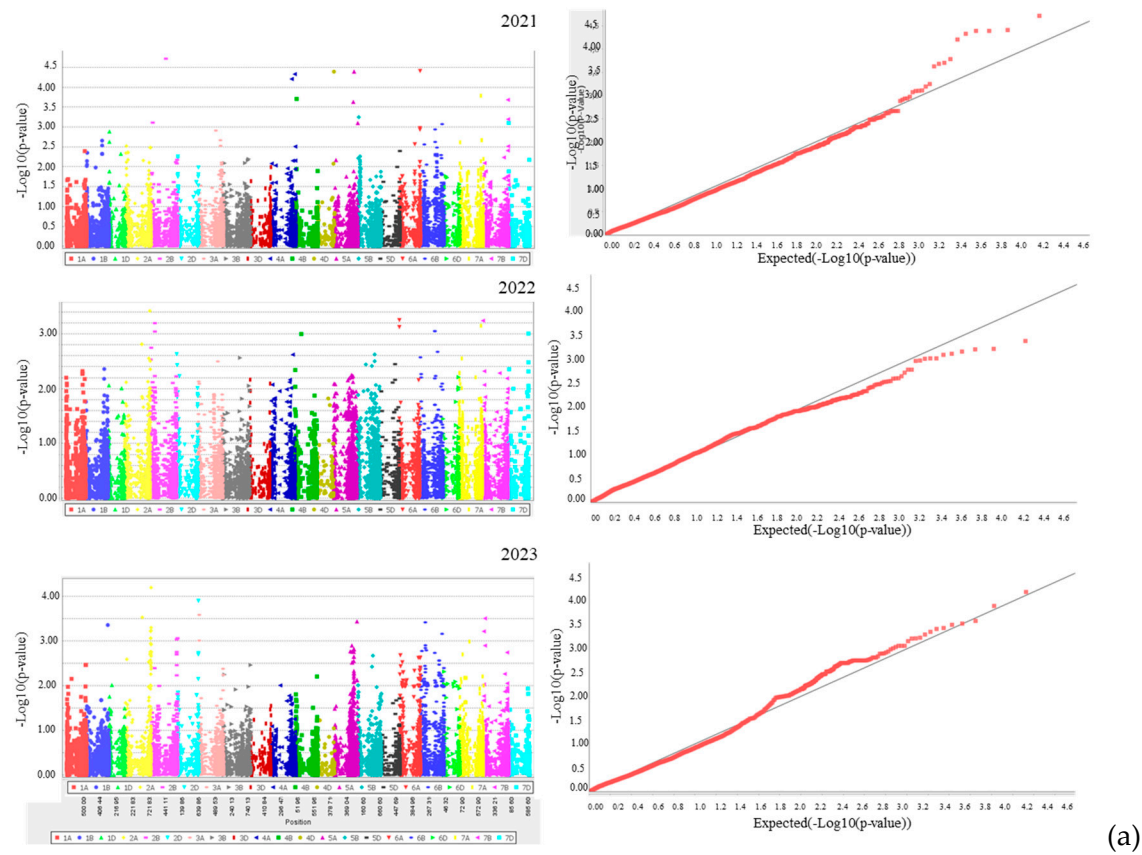


File S1. Manhattan plots and QQ-plots for each of the three years of field study: 2021 - 2023



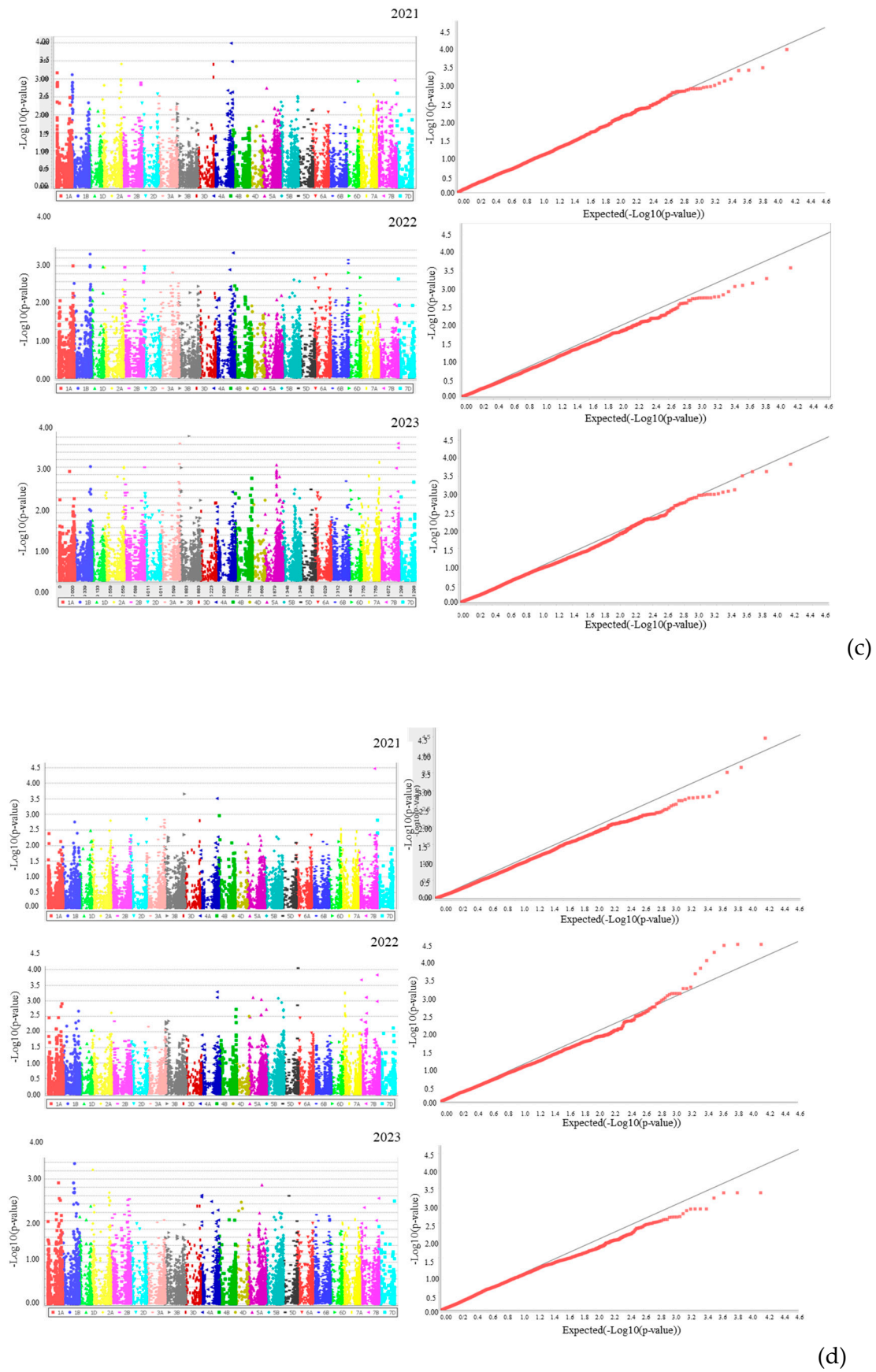


Figure S1. Manhattan plots and QQ-plots of 4 agronomic characters: (a) RL; (b) SL; (c) TGW; (d) SN. The red dots and gray straight lines on the QQ-plots indicate the experimental value and the expected value, respectively