

Supplementary Figure S1. Weather conditions during growing period in Tsukuba, Fukuyama and Nagano. A: Mean air temperature, B: Solar radiation.

Supplementary Table S1. Grain yield and its yield components of Oonari and Takanari in Tsukuba



\**P* < 0.05, \*\**P* < 0.01, \*\*\**P* < 0.001 (ANOVA). n.s., not significant.

Supplementary Table S2. Grain yield and its yield components of Oonari and Takanari in Fukuyama



\**P* < 0.05, \*\**P* < 0.01, \*\*\**P* < 0.001 (ANOVA). n.s., not significant.

Supplementary Table S3. Pearson’s simple correlation (*r*) analysis between weather condition and yield trait of Oonari.



\**P* < 0.05