

**Fig. S3** Fungal development in TaZFP8-silenced leaves during initial stages of Pst inoculation. (a) Microscopic observation of pathogen development in TaZFP8-silenced leaves at different time points after Pst inoculation. (b) Hyphal length and (c) infection area of Pst in TaZFP8-silenced leaves after being infected with CYR34. Wheat leaves were sampled at 1 and 5 dpi and observed microscopically after stained with WGA. SV, substomatal vesicle; H, haustoria; IH, infection hypha; HMC, haustorial mother cell; and SH, secondary hyphae. Bars = 100  $\mu$ m. Asterisks represent significant differences. \*\* p < 0.01, \*\*\*p < 0.001.