

**Additional file 17: Fig. S9** UV-Visible spectra of the remarkably accumulated products formed after adding FG into the crude extractive proteins from B73 and *bm5*-504J mutant. **a.** UV-Visible spectrum of the small peak formed after adding FG into the boiled crude proteins extracted from B73 as a negative control in Fig. 6a. **b.** UV-Visible spectrum of FQA formed after adding FG into the crude extractive protein from B73 plant. **c.** UV-Visible spectrum of the small peak formed after adding FG into the boiled crude proteins extracted from *bm5*-504J mutant as a negative control in Fig. 6b. **d.** UV-Visible spectrum of FQA formed after adding FG into the crude extractive protein from *bm5*-504J mutant. Rt, retention time.