

Supporting information

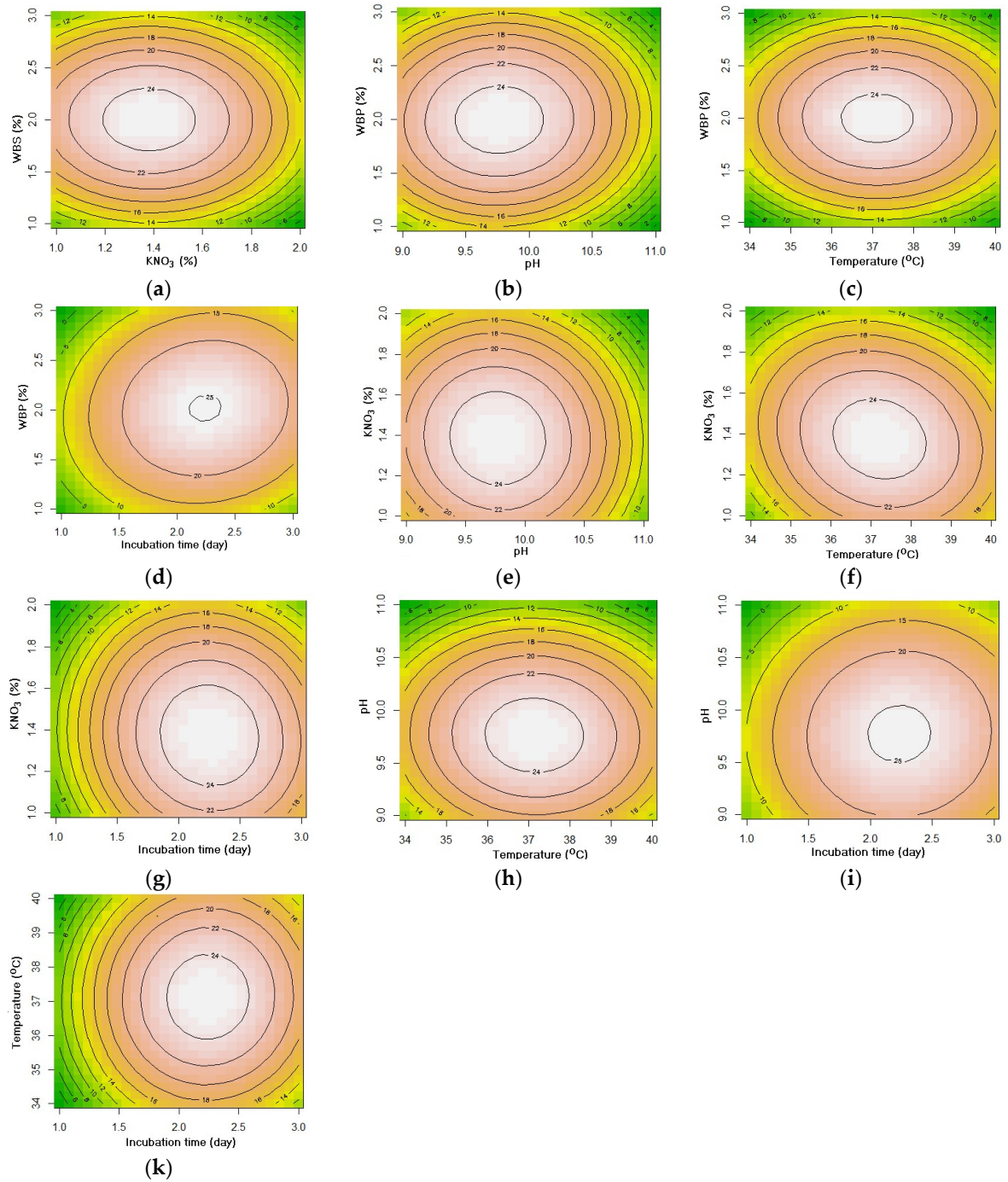


Figure S1. Two-dimensional (2D) contour plots showing the effect of the amount of wheat bran powder (WBP) and KNO_3 (a), WBP and pH (b), WBP and temperature (c), and WBP and incubation time (d). 2D contour plots showing the effect of the amount of KNO_3 and pH (e), KNO_3 and temperature (f), and KNO_3 and incubation time (g). 2D contour plots showing the effect of the pH and temperature (h), pH and incubation time (i), and temperature and incubation time (k).

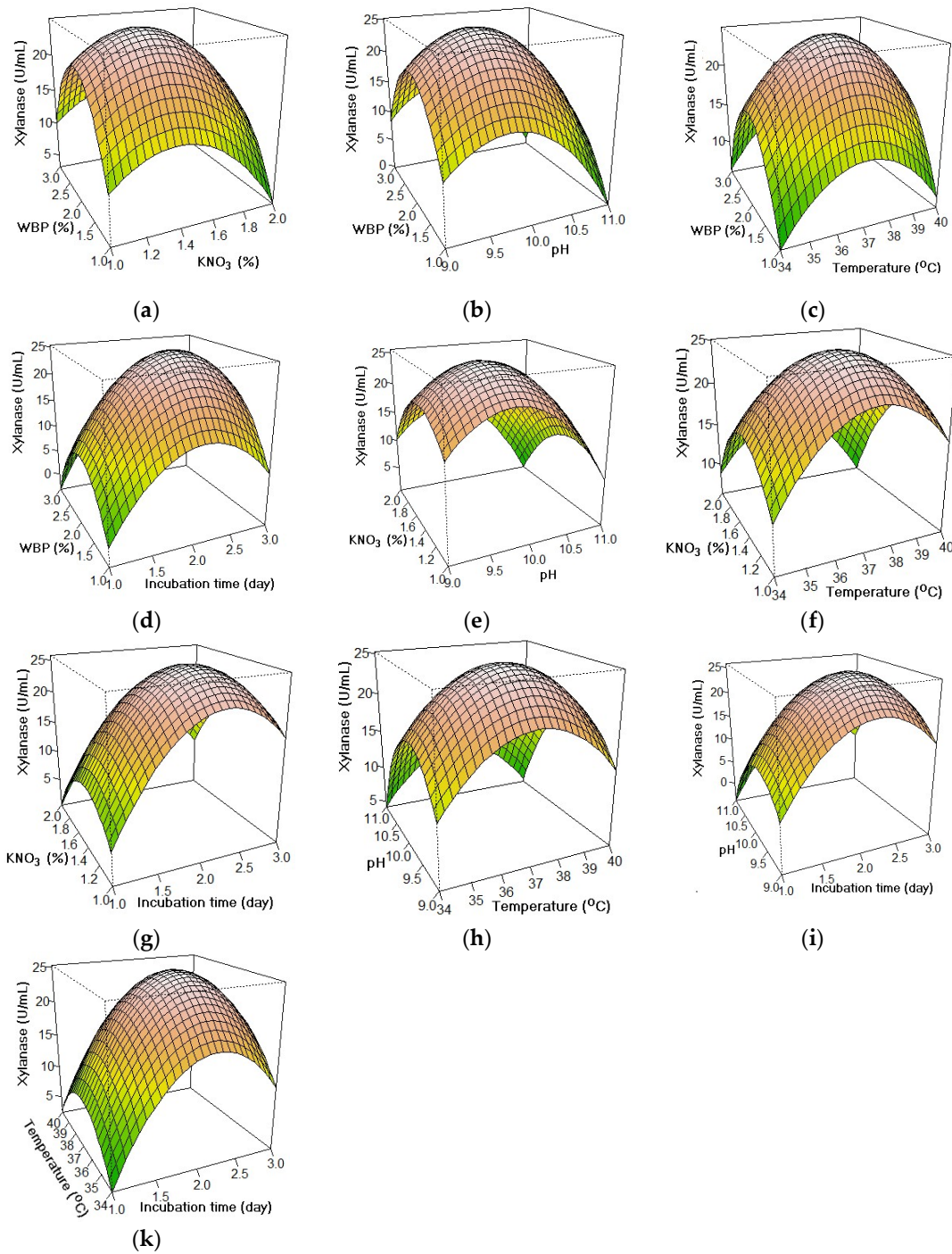


Figure S2. Response surface plots showing the effect of the amount of wheat bran powder (WBP) and amount of KNO₃ (a), WBP and pH (b), WBP and temperature (c), and WBP and incubation time (d). Response surface plots showing the effect of the amount of KNO₃ and pH (e), and KNO₃ and temperature (f), KNO₃ and incubation time (g). Response surface plots showing the effect of pH and temperature (h), pH and incubation time (i), and temperature and incubation time (k).

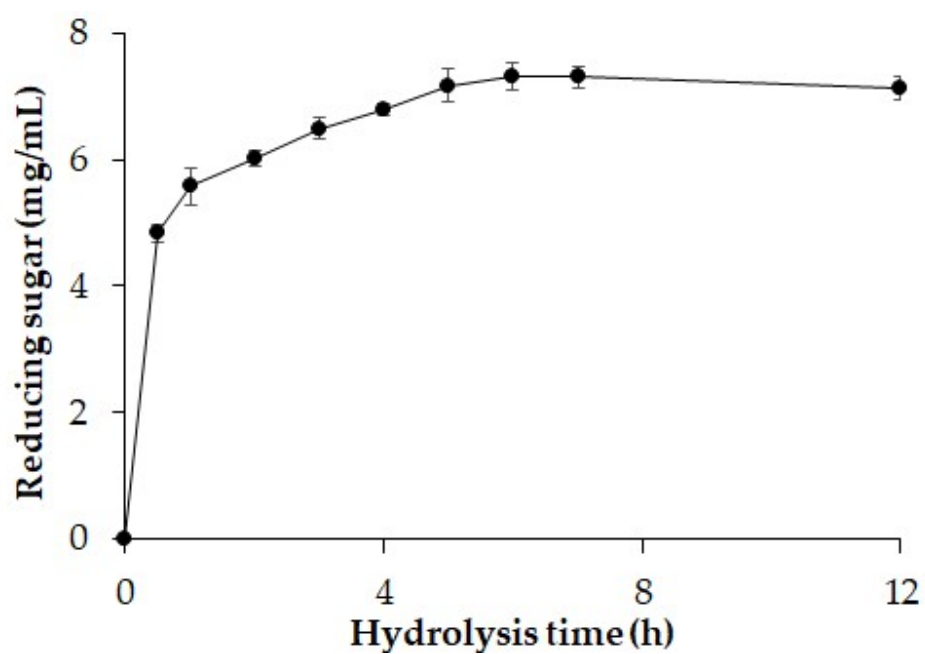


Figure S3. Time courses of reducing sugar production generated from the hydrolysis of xylan catalyzed by Xyn_TKU045.

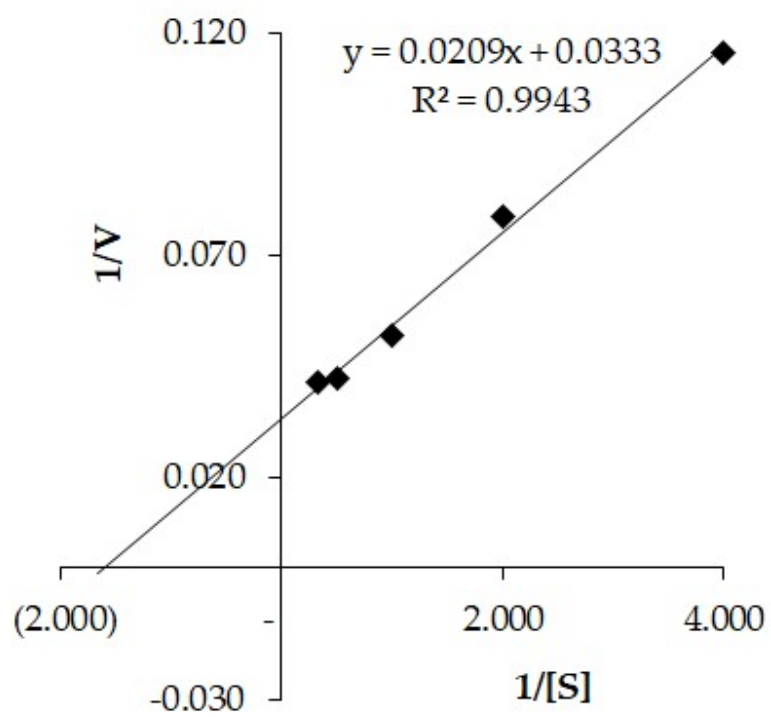


Figure S4. Lineweaver-Burk plots of Xyn_TKU045.