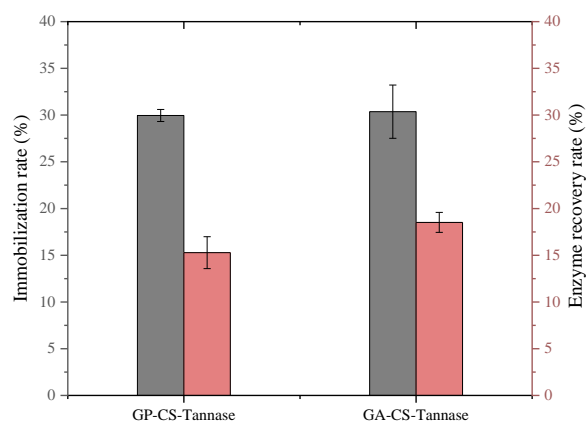


## Supplementary Material



**Figure S1.** Immobilization rate and enzyme recovery rate of GP-CS-Tannase and GA-CS-Tannase. Activation conditions: genipin concentration (0.4%, m/v), activation temperature (10 °C), activation pH (Citrate buffer at pH 3.0), and activation time (6 h). Immobilization conditions: enzyme amount (10 U), immobilization time (6 h), immobilization temperature (10 °C), immobilization pH (Citrate buffer at pH 5.0), and shaking speed (150 rpm/min)