



Figure S2. HPLC chromatograms of glyoxylate after derivatization with phenylhydrazine. Cosmosil 5C18-AR-II column and SPD-M20A UV/Vis detector at 324 nm were used for the detection. (A) Standard sample of 0.2 g/L glyoxylate. (B) culture supernatant of *E. coli* EG_7 (10-times diluted with water) after 96 h of cultivation with M9 medium supplemented with 10 g/L glucose and 1 g/L yeast extract.