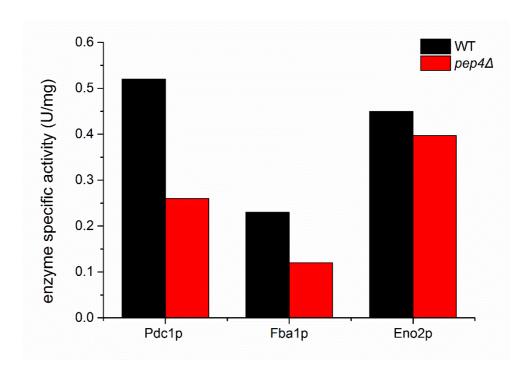


**Figure S1.** The mass spectrum of spot 187, 188, 208 and 548 in 2-DE gel map of the wild-type yeast strain BY4741.



**Figure S2.** Enzyme specific activity of three identified down-regulated glycolytic metabolism enzymes in pep4 $\Delta$  strain comparing with the BY4741 (WT). The data represent means  $\pm$  S.D. (n = 3). \* p < 0.05, \*\* p < 0.01 compared to BY4741.