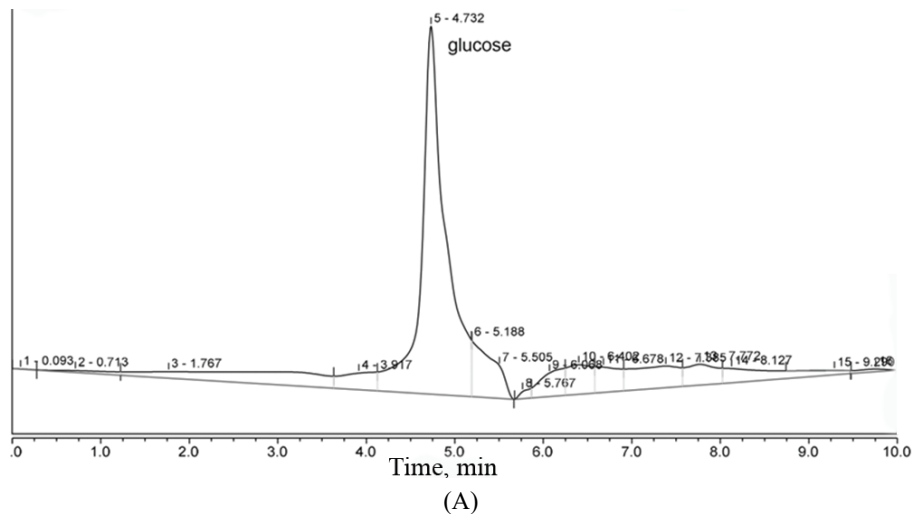


SUPPLEMENTARY MATERIAL TO  
**Effective valorisation of barley bran for simultaneous cellulase and  $\beta$ -amylase production by *Paenibacillus chitinolyticus* CKS1: Statistical optimization and enzymes application**

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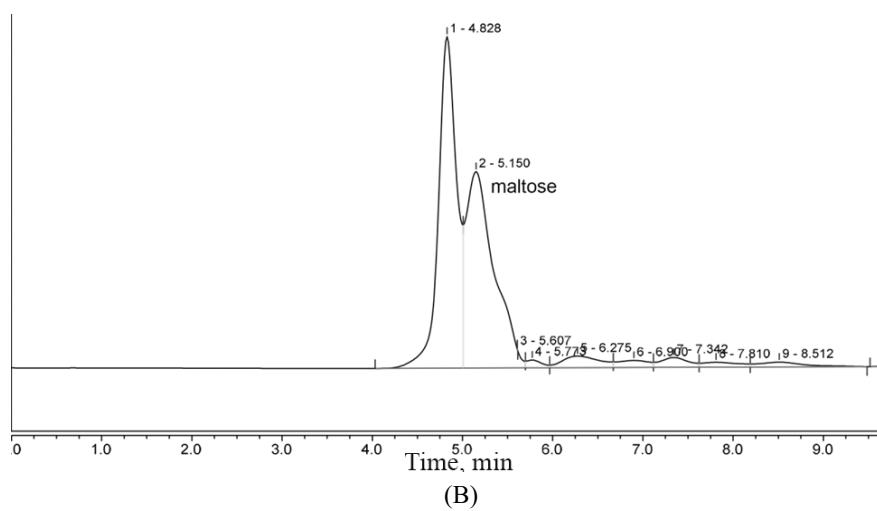


Fig. S-1. HPLC analysis of samples obtained after: A) cotton hydrolysis and B) barley bran hydrolysis using *P. chitinolyticus* CKS1 cellulases and  $\beta$ -amylases.