



Additional file 1. Secreted CBH1 activity. Production of CBH1 enzymes in YPD (**A**; **B**) and in SCD-URA medium (pH 6) (**C**; **D**) by recombinant strains expressing *cbh1* genes as indicated. Culture supernatant samples were taken after 3 days cultivation for the enzyme assays. **A**; **C**. Secreted MULac activity (microM MU released per minute) in the. **B**; **D**. Percentage Avicel hydrolysis by supernatants after 24 (grey bars) and 48 (black bars) hours incubation. The values shown are the mean values of three repeats \pm standard deviation (SD).