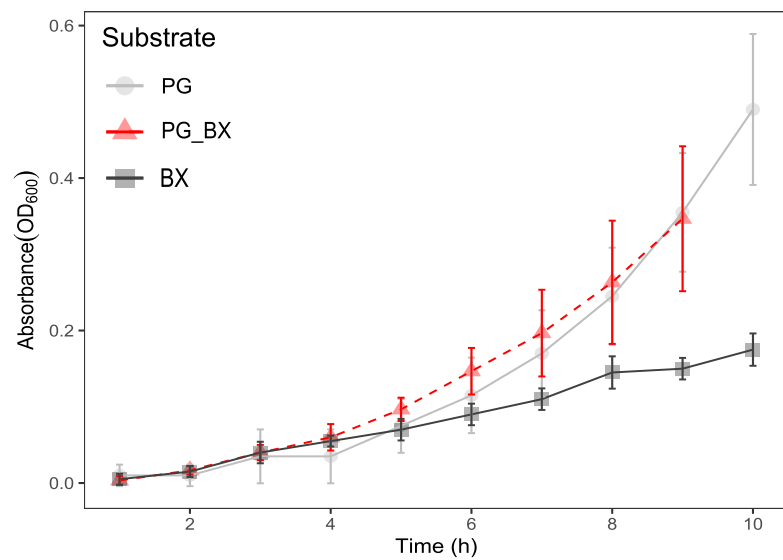
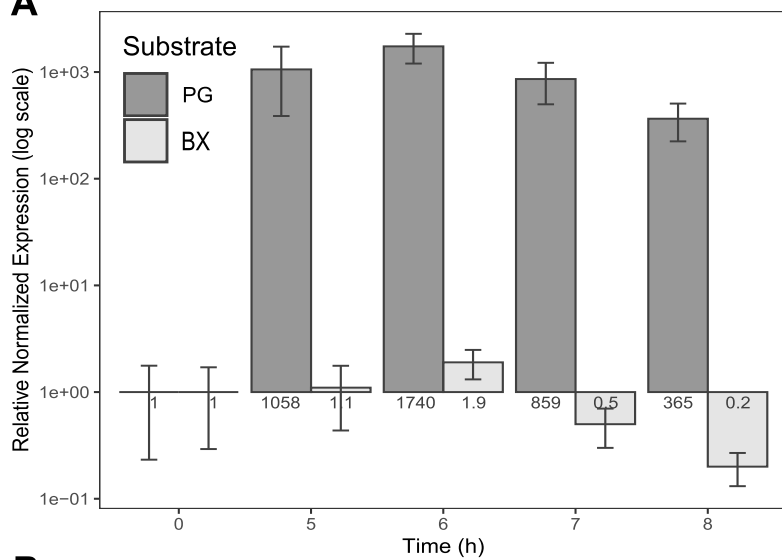
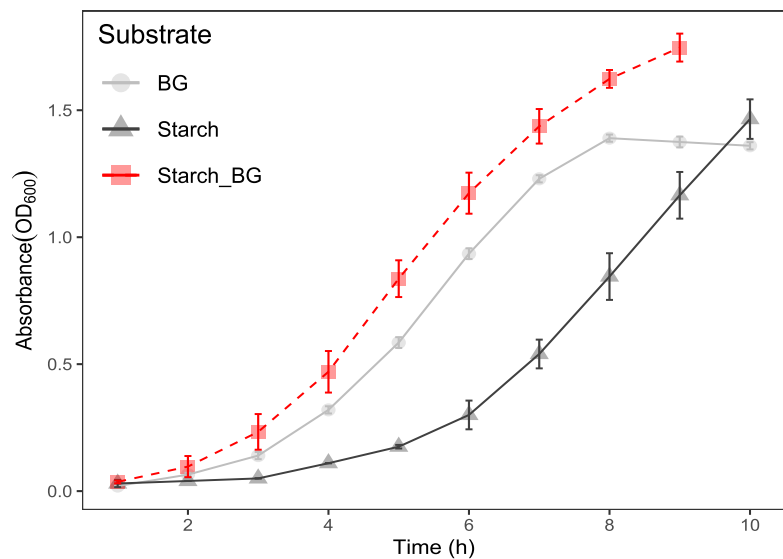
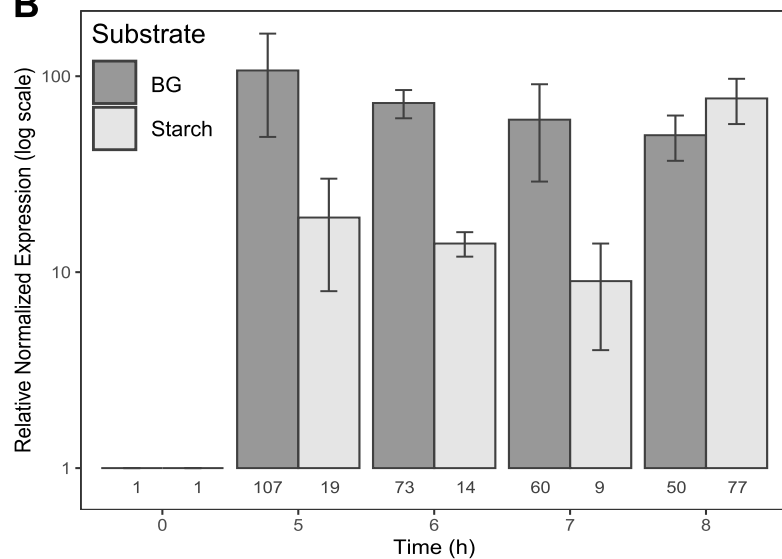


Additional file 9: All reverse-transcription qPCR and growth test of *X. ruminicola* KHP1 grown in mixture of two polysaccharides that are presented in a heatmap (Fig. 6). Left graphs show relative normalized expression of *susC*-like genes of designated PULs over time relative to quantity of transcripts on glucose (time 0) in the mixture of two polysaccharides presented in equal concentrations (0.15% each). Values are written at the bottom of each bar. The expression of *susC*-like genes was measured with qPCR. Right graphs show growth of *X. ruminicola* KHP1 in each of the two polysaccharides (0.15%) and in the mixture of both (each 0.15%). Data are averages and standard error of two biological replicates. Substrates used: starch, β -glucan (BG), beechwood xylan (BX), arabinoxylan (AX), arabinogalactan (AG), arabinan (ARA), pectic galactan (PG).

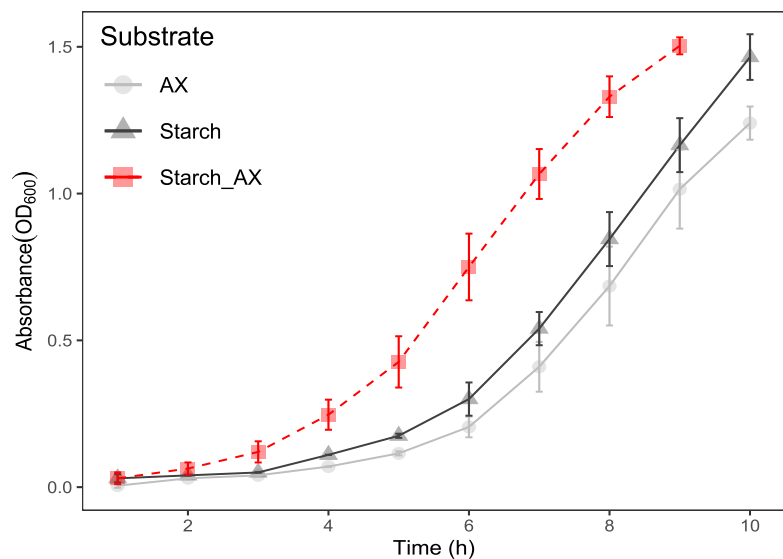
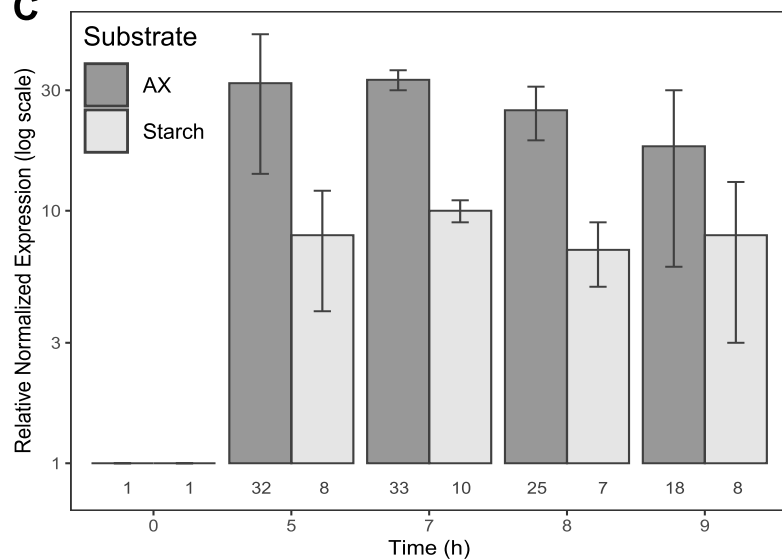
A

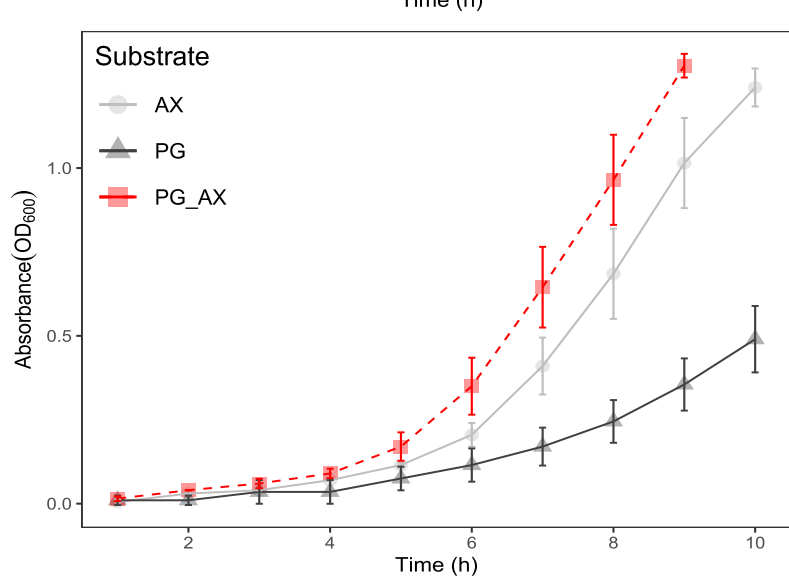
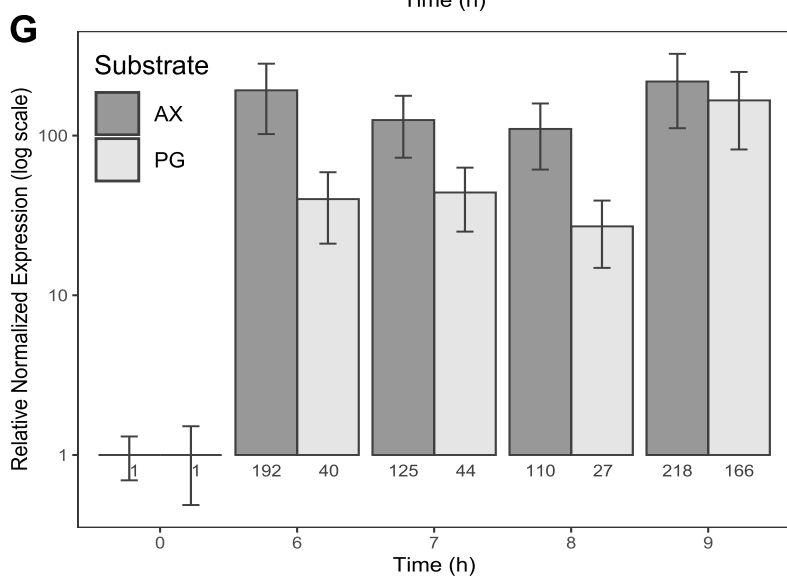
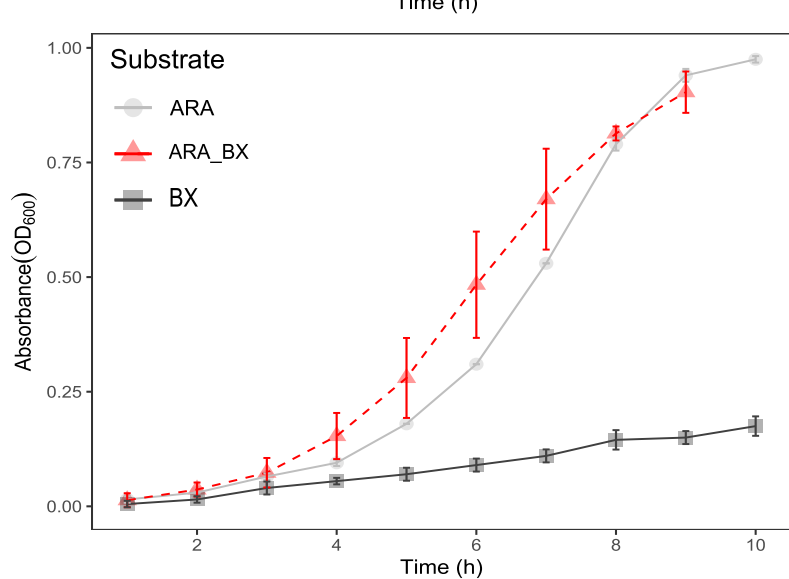
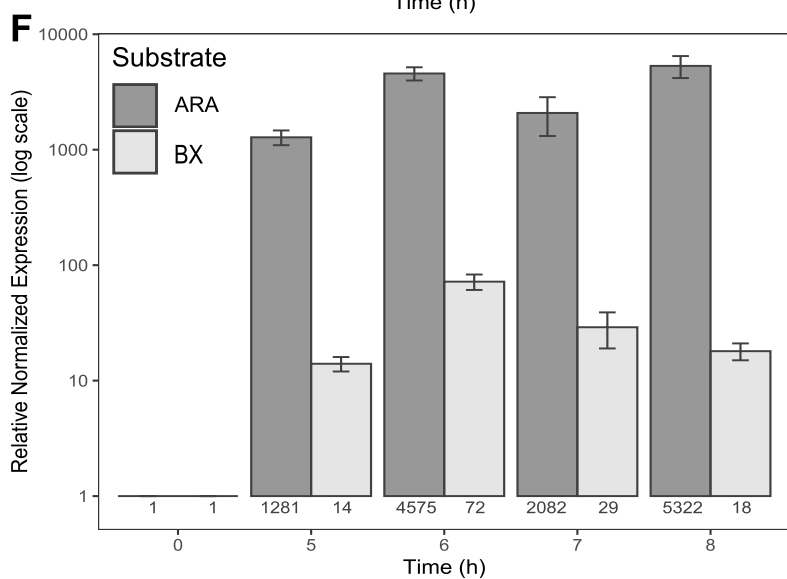
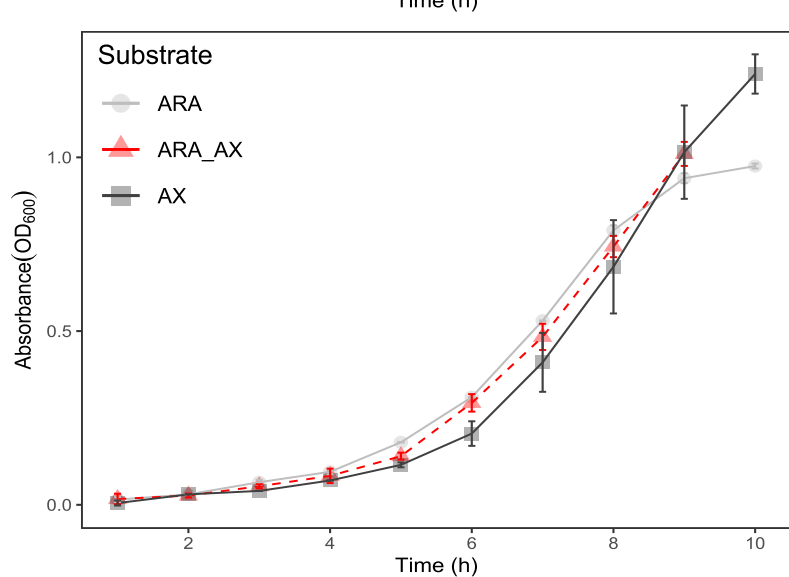
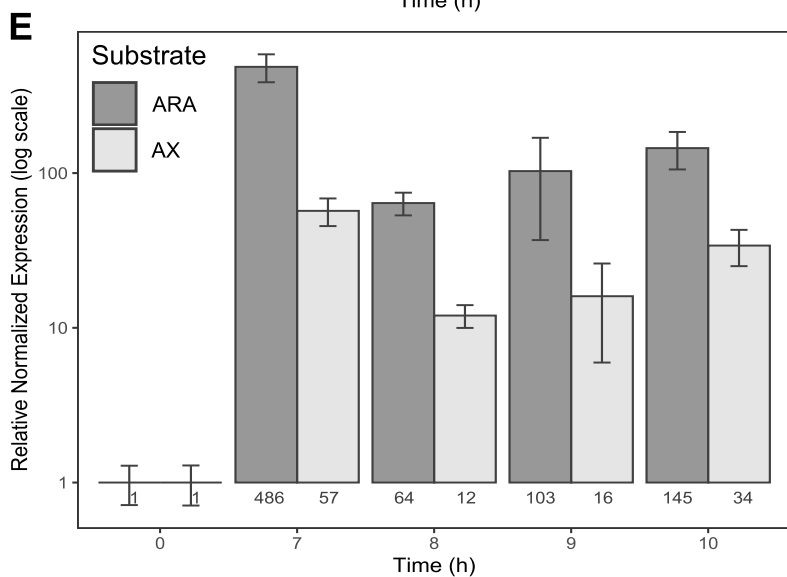
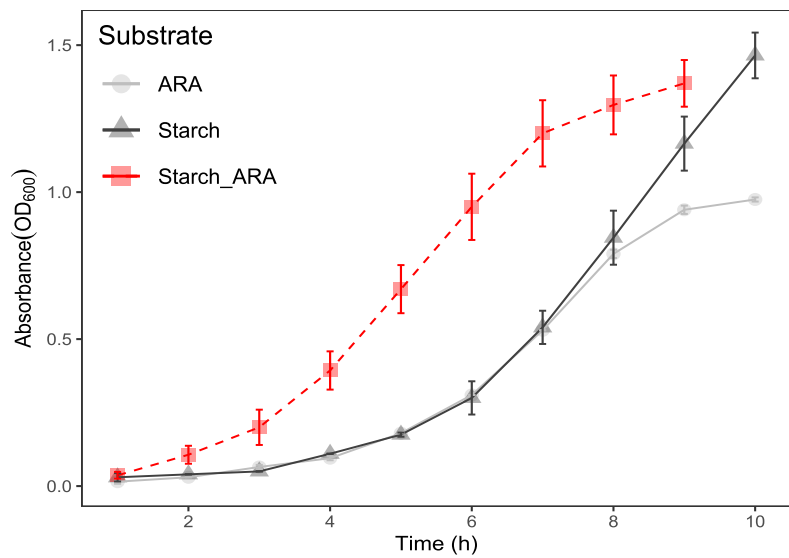
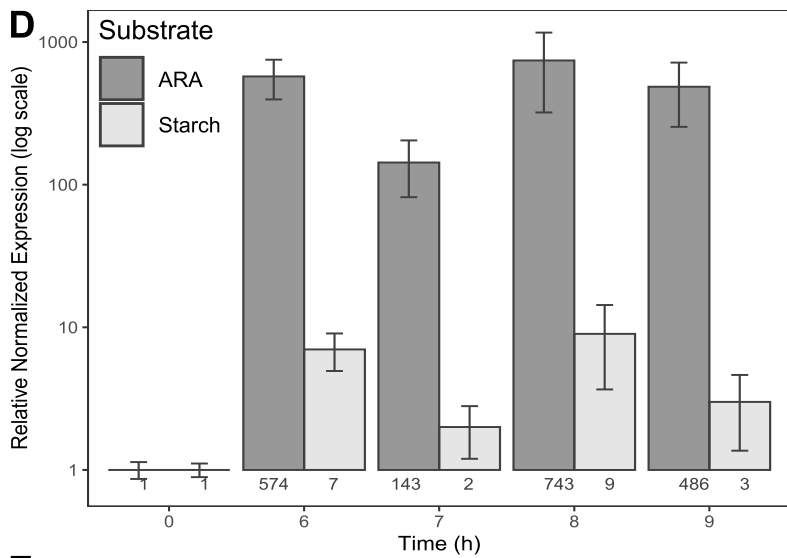


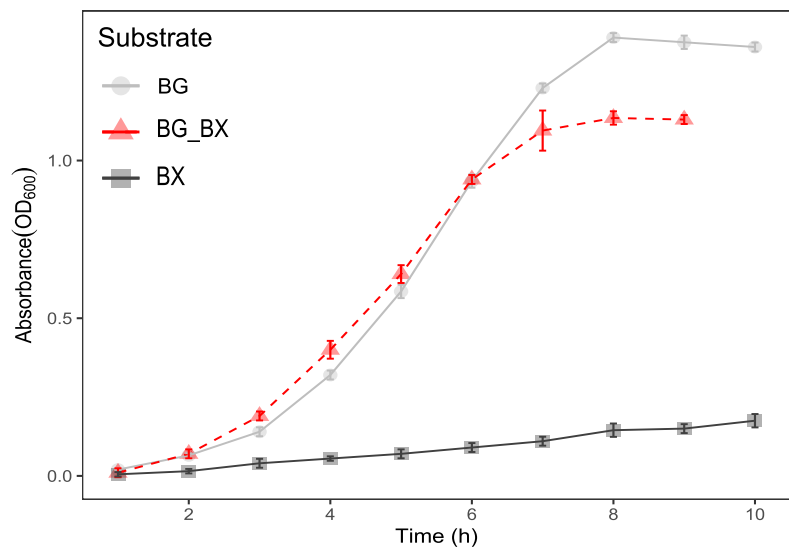
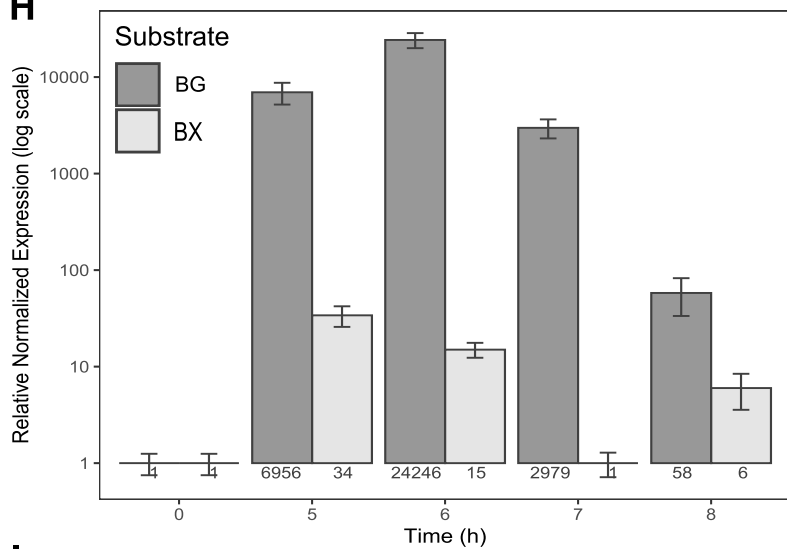
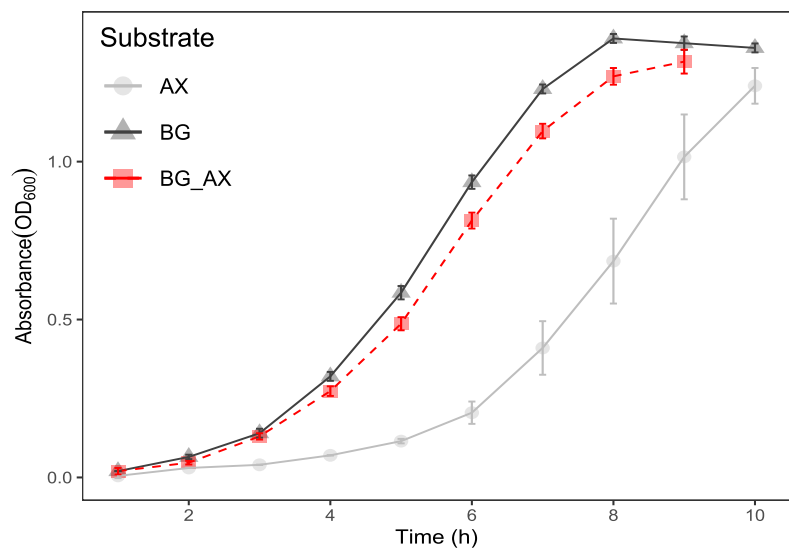
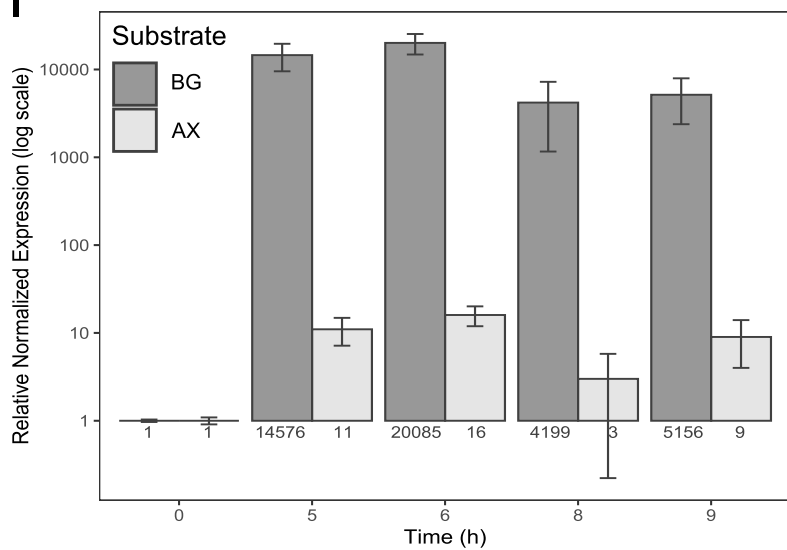
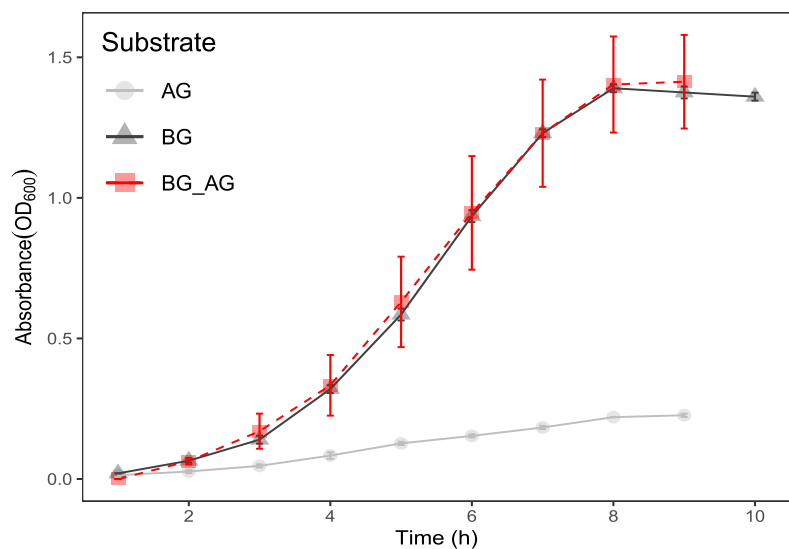
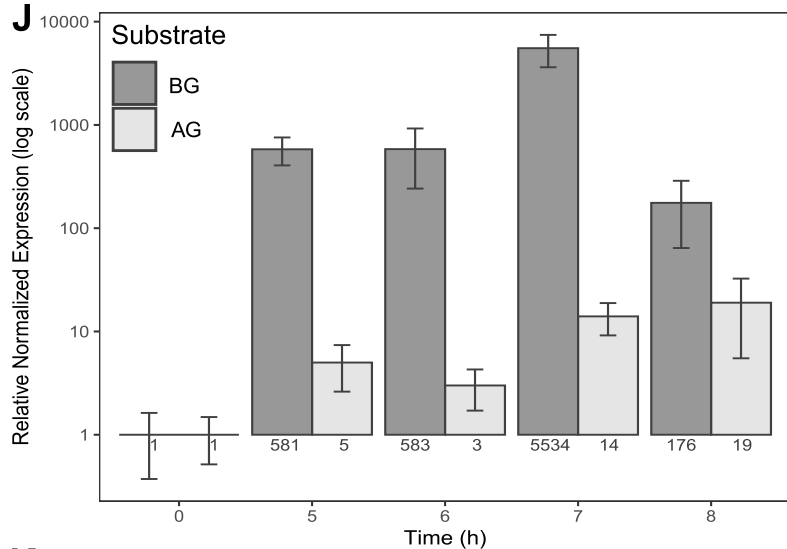
B



C





H**I****J****K**