

Figure S1- Growth and sugars utilization profiles by *R. mucilaginosa* IST 390 cultivation in SBP hydrolysate H11 supplemented with commercial YNB containing 5 g/L of ammonium sulphate and amino acids (10 mg/L of L-histidine, 20 mg/L of DL-methionine and 20 mg/L DL-tryptophan). Medium was inoculated with an initial OD_{600nm} of 8 and was carried out at 30°C, pH 5, with orbital agitation (250rpm).

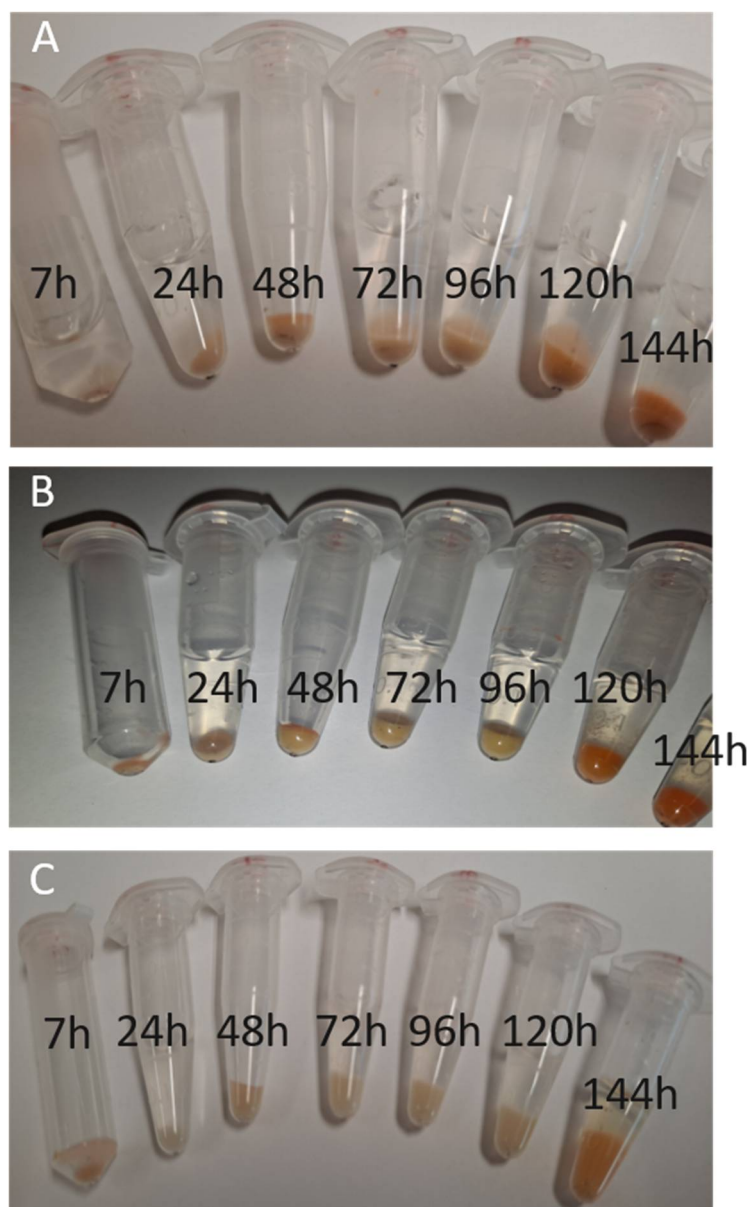


Figure S2- Cell pellets of *Rhodotorula mucilaginosa* IST 390 (A), *R. toruloides* PYCC 5615 (B) and *R. toruloides* IFO 0880 (C) harvested during yeast bioconversion of sugar beet pulp hydrolysate H13. Samples were harvested from the cultures characterized in Figure 6.