

Supplementary Materials

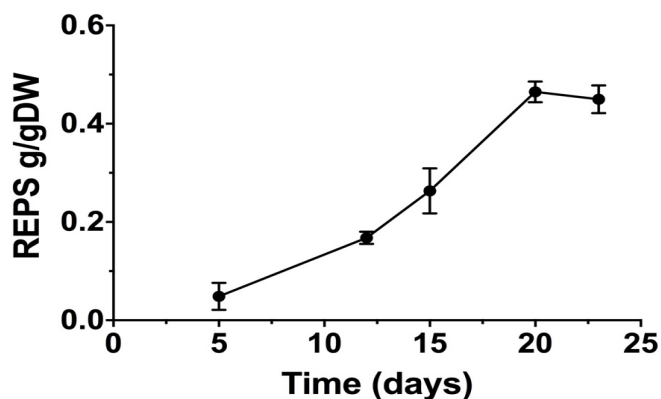


Figure S1. REPS production over growth. REPS concentration over one 23 day growth experiment, at about 5 day intervals. REPS concentration data: day 5 =48 mg/gDW; day 12=168 mg/gDW; day 15=263 mg/gDW; day 20= 465 mg/gDW, day 23=450 mg/gDW.

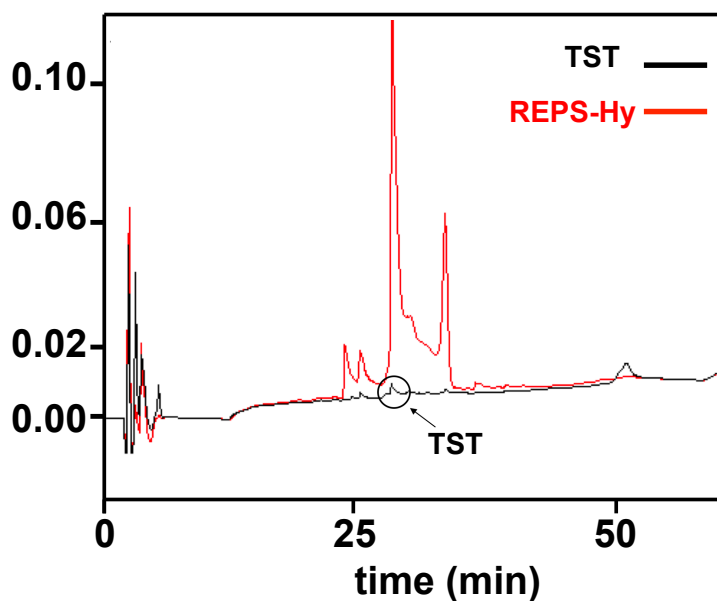


Figure S2. RP-HPLC analysis of the fraction released from the REPS-Hy and of TST solution. Overlapping of the RP-HPLC profiles of 100 μ l of 10.08 μ M of TST (—) and of the soluble fraction released from REPS-Hy after 20h of incubation at 37°C (—) in 200 μ l of 50 mM Tris-HCl buffer, pH 8.0. Solvent A was 0.1% v/v TFA and solvent B 80% v/v acetonitrile and 0.1% v/v TFA. The analyses were performed using a C_{18} column (CPS Analytica, 150 mm \times 4.6 mm, 5 μ m) at 0.8 ml/min flow rate and the following solvent B gradient: 0–5 min 0%; 5–50 min 60%; 50–55 min 60%; 55–60 min 90% and 60–65 min 90%. The elution was monitored at 220 nm.

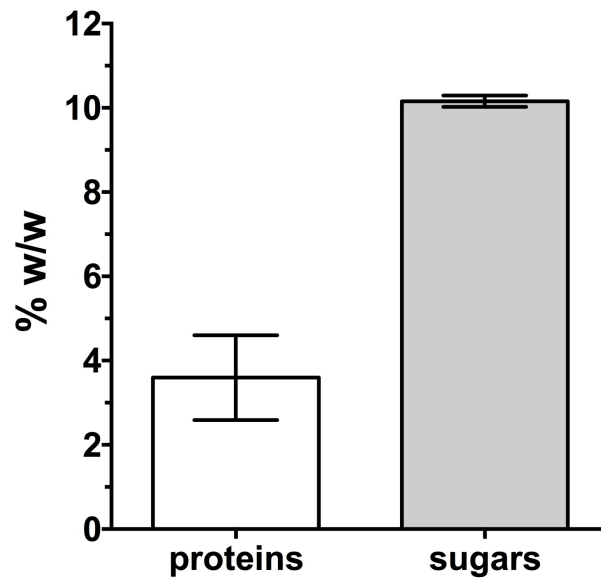


Figure S3. Biochemical analysis of REPS. Percentage of proteins and sugars present in REPS obtained by BCA and Dubois assays respectively.