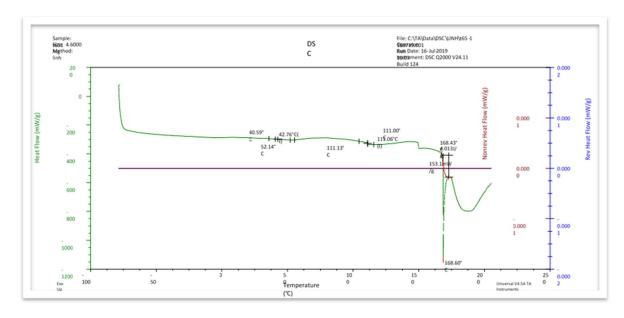


Figure S1. Schematic process flow diagram used to extract oil and TPI from cultured thraustochytrids cells.



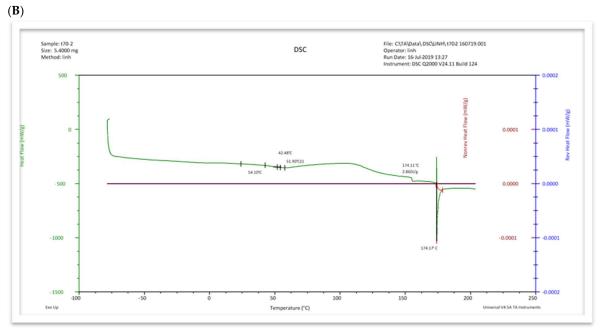


Figure S2. Differential scanning calorimetry (DSC) of TPI. (A) MAN65; (B) MAN70.

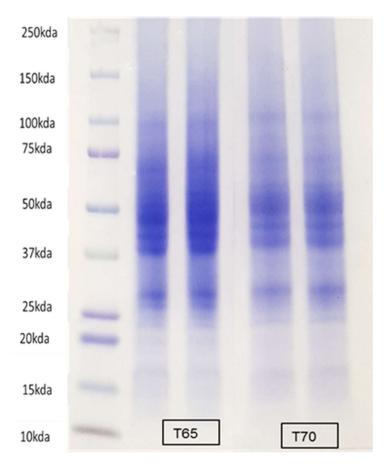


Figure S3. SDS-PAGE electrophoresis of thraustochytrids protein isolate obtained from its two strains MAN65 ($\bf A$) and MAN70 ($\bf B$).