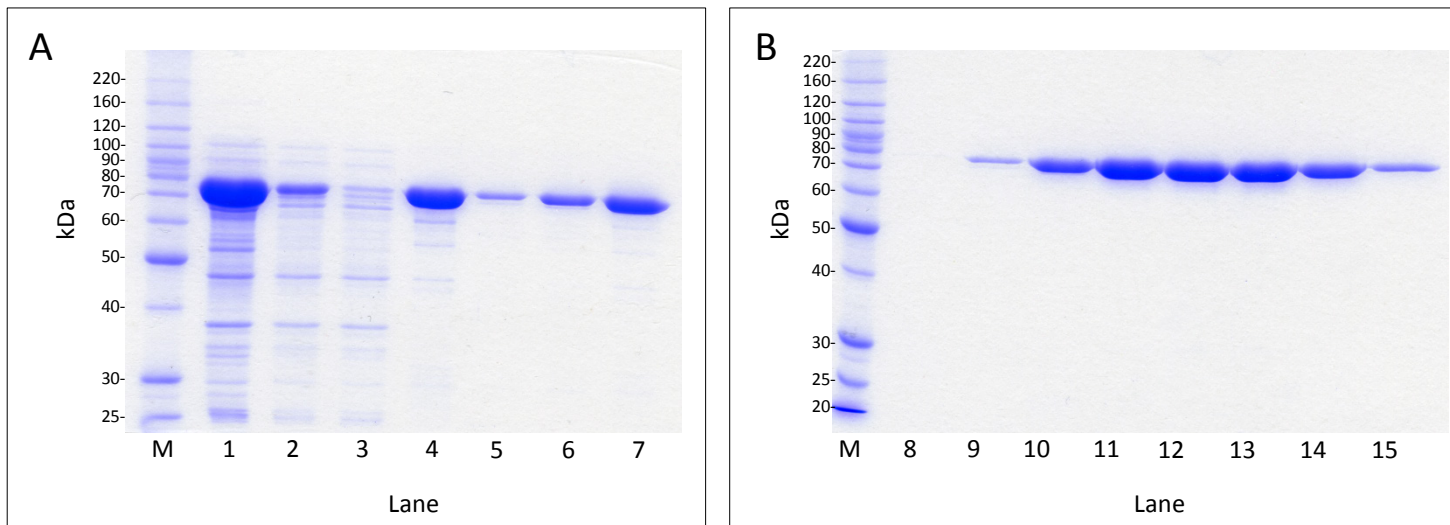




Supplemental Figure S1 Purification of the *Escherichia coli* cytoplasmic trehalase (treF). TreF was over-expressed in *E. coli* as a His₆-tagged fusion protein and purified by immobilised metal affinity chromatography (Co²⁺, Talon™), size exclusion chromatography (Superdex S200) and anion exchange chromatography (Mono Q). Proteins in 0.5-2 µl aliquots of fractions from each stage of the purification were analysed by SDS polyacrylamide gel electrophoresis (10% gel) and stained with Coomassie Blue R250. M = molecular weight markers. Samples were: (1) *E. coli* cell lysate; (2) soluble cell extract; (3) Talon™ column pass through; (4) imidazole eluate from Talon™ column; (5-7) peak fractions from Superdex S200 column; (8-15) peak fractions from MonoQ column.