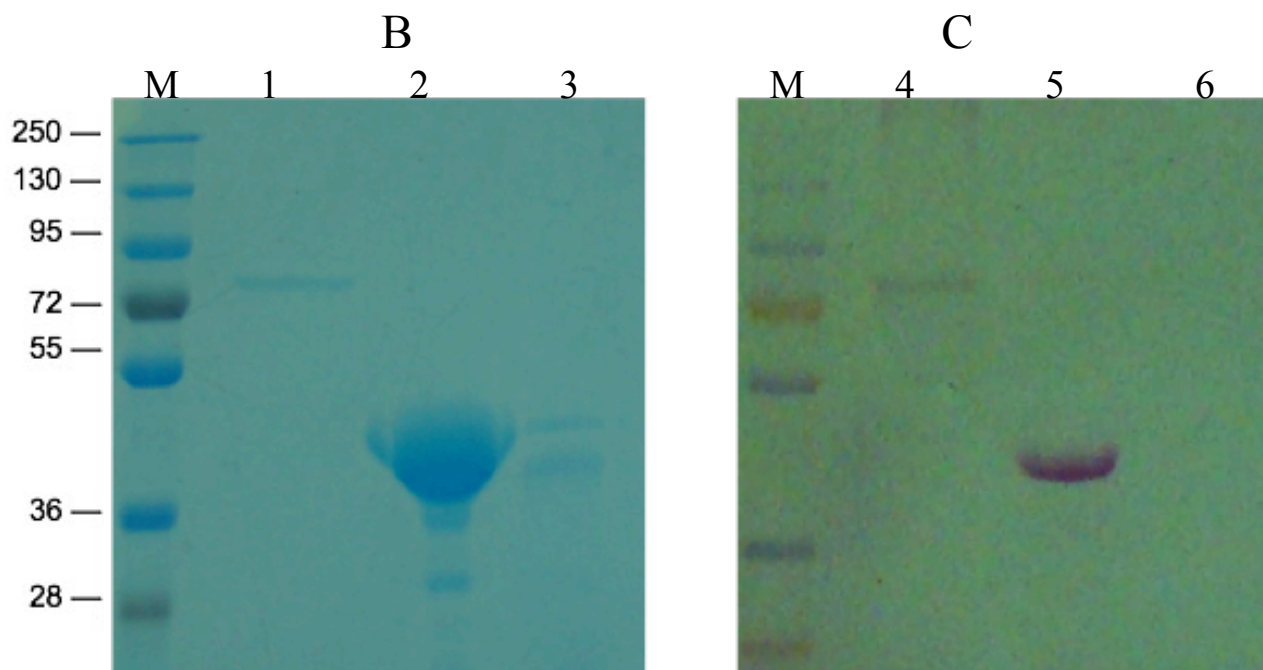
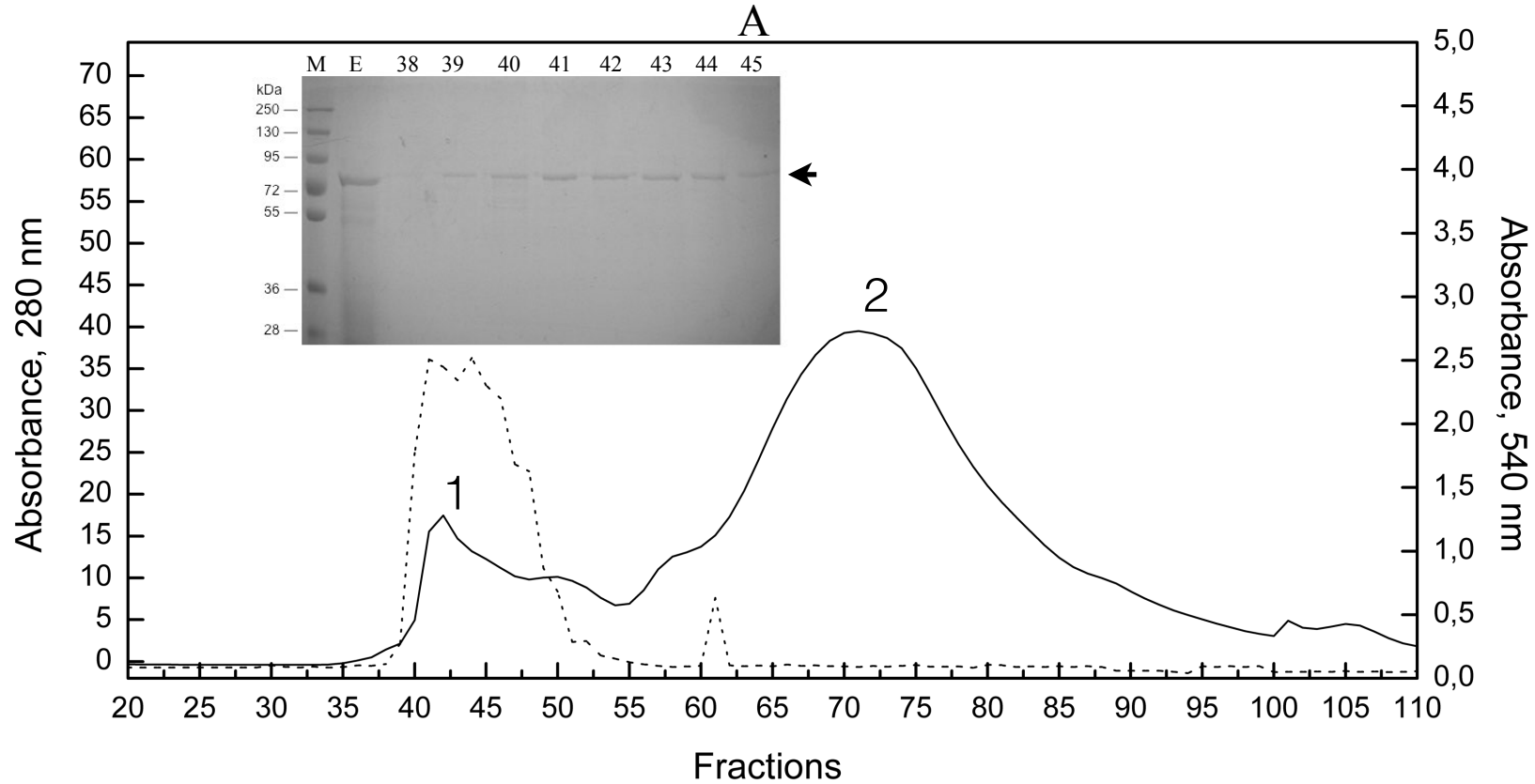




Supplementary Material 1 Purification and characterization of the amylose enzyme. A, protein samples were loaded onto a Superdex 75 10/300 GL column equilibrated with 20 mM sodium phosphate buffer pH 7.0 and 150 mM NaCl, with a flow rate of 0.2 ml/min. The absorbance values at 280 nm (continuous line) and amylose activity (dotted line) were measured. The SDS PAGE analysis shows the active fractions (lanes 38 to 45). M, protein marker; E, sample from 80% ammonium sulfate precipitation. The identified amylose enzyme is indicated by the arrow. B and C show SDS PAGE gels stained with Coomassie blue reagent or a glycoprotein staining kit, respectively. Lanes 1 and 4, amylose from *Tetracladium* sp.; lanes 2 and 5, horse peroxidase glycoprotein (positive control); and lanes 3 and 6 trypsin inhibitor soybean protein (negative control).