S5 Figure. Analysis of the products of the overall transamination reaction, catalyzed by mP3O1.

Reaction: R-PEA + pyruvate \leftrightarrow acetophenone + Ala (D- or L-)

Reaction conditions: 50 mM Tris-HCl, pH 7.0, containing 60 MM PLP, 15 mM R-PEA and 15 mM pyruvate at 50 °C..

Determination of the products: The aliquots were taken from the reaction mixture after 7 h and 14 h. The protein was removed by centrifugation using Amicon 10 devices (Millipore, USA). The enantiomeric excesses were determined (within the limits of detection) by chromatographic analysis of the supernatants using a CROWNPAK_ CR(+) column (150 x 4 mm x 5 µm; Daicel, Illkirch, France) with UV detection at 200 nm. +25 °C: A) mixture of 1 mM D-Ala and 1 mM L-Ala in 50 mM Tris-HCl, containing 60 µM PLP and 5 mM pyruvate; B) reaction mixture. +4 °C: C) mixture of 1 mM D-Ala and 1 mM L-Ala in 50 mM Tris-HCl, containing 60 µM PLP and 5 mM pyruvate; D) reaction mixture .





