Fig. S4. Characterization of mitochondria affected in small TIM chaperones. a The carrier protein AAC was imported into WT mitochondria, mitochondria with the mutant form Tim10-L26Q, mitochondria lacking Tim8 and Tim13, or mitochondria affected in Tim10, Tim8 and Tim13, and samples were analyzed by BN-PAGE and autoradiography as described in Fig. 4a. b-c Loading controls. Radiolabeled Mpc2 or Mpc3 were imported as described in Fig. 4a into mitochondria isolated from the indicated strains, import reactions were analyzed by BN-PAGE and Western blotting, and immunodecorated for the TOM complex (α-Tom40) or stained with Coomassie to control for equal loading. Representative import experiments are shown. In all import experiments, non-imported precursors were degraded with proteinase K. d Steady-state protein levels of mitochondria from the indicated strains. Mitochondria (10, 20 and 40 µg total mitochondrial protein) were analyzed by SDS-PAGE and Western
blotting with the indicated antisera. Tom70, Tom40, components of the TOM translocase; Tim22, Tim10, Tim13, TIM22 pathway components; Yhm2, citrate/oxoglutarate carrier (canonical mitochondrial carrier); Tim23, component of the TIM23 translocase.