



S9 Figure. Localization of charge-altered isoforms of the PTP1B tail anchor in COS-7 cells and in yeast.

(A,B) Coexpression of the fluorophore-labeled, negatively charged tail isoform PTP1Btail^{R428E} (Fig. 4) in COS-7 cells (mCherry-PTP1Btail^{R428E}) along with the mitochondrial marker Tom20-mTagBFP (A) and in yeast cells (yemCitrine-PTP1Btail^{R428E}) along with the mitochondrial marker Cox4-mCherry (B). (C,D) Coexpression of the fluorophore-labeled, highly positively charged tail isoform PTP1Btail^{F429R} (Fig. 4) in COS-7 cells (mCherry-PTP1Btail^{F429R}) along with the mitochondrial marker Tom20-mTagBFP (C) and in yeast cells (yemCitrine-PTP1Btail^{F429R}) along with the mitochondrial marker Cox4-mCherry (D). Scale bars: 20 μ m.