**S7 Figure. Dependence of the targeting of the PTP1B tail anchor on the type of sterol.**

A wild-type strain of the yeast *S. cerevisiae* that produces ergosterol (RH2881<sup>63</sup>) as well as a mutant strain that produces cholesterol as its dominant sterol (RH6829<sup>63</sup>), with membrane composition therefore more similar to mammalian cells, were transformed with the plasmid p415-yemCitrine-PTP1Btail. In both strains, yemCitrine-PTP1Btail localized to the perinuclear/cortical membranes of the ER and to the vacuolar membrane. Scale bars: 5 µm.