



S3 Fig.

S3 Fig. Changes in PI4P levels in the PSM can not be detected using conventional PI4P biomarkers.

(A) Localization of GFP-1×PH^{Osh2} (left) or GFP-2×PH^{Osh2} (right) in *spo73Δ* (TC545) cells overproducing mKate2-Spo20⁵¹⁻⁹¹-Sac1²⁻⁵¹⁷ during PSM formation. (B) Localization of GFP-P4M in wild-type cells producing Sec7-mRFP (TNY643) during vegetative growth. Sec7-mRFP, a Golgi marker. (C) Localization of GFP-P4M in wild-type (AN120) and *spo73Δ* (TC545) cells during PSM formation. mKate2-Spo20⁵¹⁻⁹¹, a PSM marker. (D) Localization of GFP-P4M in wild-type cells producing Sec7-mRFP and mTagBFP2-Spo20⁵¹⁻⁹¹ (TNY643) during PSM formation. Sec7, a Golgi marker. mTagBFP2-Spo20⁵¹⁻⁹¹, a PSM marker. mK, mKate2. Scale bar, 5 μm.