



**Figure S1.** Choline auxotrophy correlates to a loss of PC. Wild-type, *pem1* $\Delta$ /*pem2* $\Delta$ / $\Delta$ , *pem2* $\Delta$ / $\Delta$ , and *pem1* $\Delta$ /*pem1*::*P*<sub>MET3</sub>-*PEM1* mutants were cultured in the presence of 0.25 mM L-methionine/cysteine in minimal media (YNB) with (“+C”) or without (“-C”) 1 mM choline and total lipids were extracted. Phospholipids were separated with thin layer chromatography (TLC) and visualized using primuline. The *pem1* $\Delta$ /*pem2* $\Delta$ / $\Delta$  mutant only produces PC when supplemented with choline.