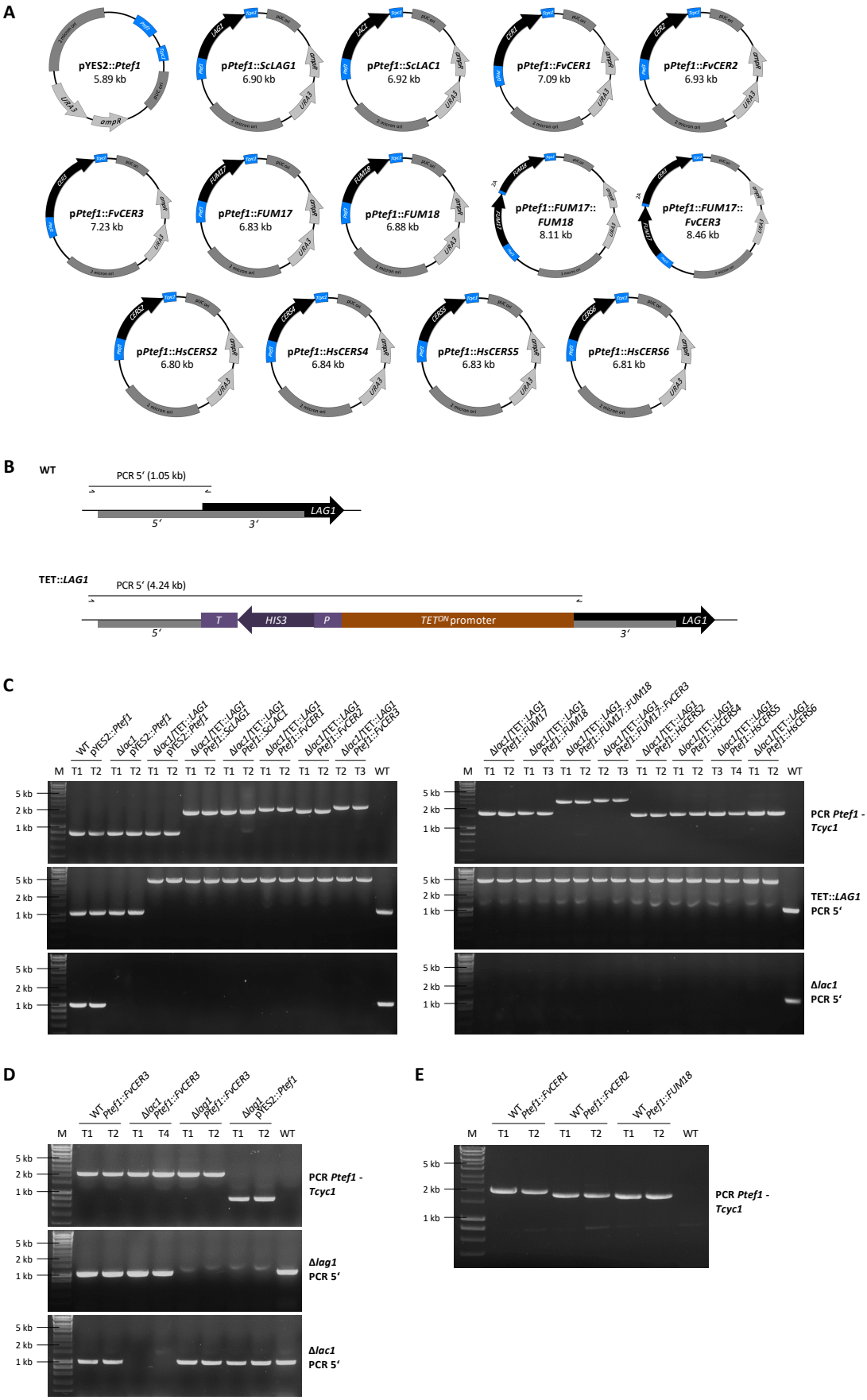

Figure S9. Ceramide synthase complemented yeast strains. A) *S. cerevisiae*, *F. verticillioides* and human ceramide synthase genes were expressed under control of the constitutive yeast promoter *Ptef1*. pYES2::*Ptef1* was used for cloning and served as empty vector control. **B)** Promoter exchange of *S. cerevisiae LAG1* using the inducible *TET*^{ON} promoter and *HIS3* marker gene. **C)** *S. cerevisiae* Δ*lac1*/TET::*LAG1* strains, harboring the respective *Ptef1* ceramide synthase plasmids (PCR *Ptef1-Tcyc1*), showed correct recombination of TET::*LAG1* 5' flank, and absence of *LAC1* WT signal (see Fig. 6A/C). **D)** *S. cerevisiae* WT, Δ*lac1* and Δ*lag1* harboring *Ptef1*::*FvCER3* (see Fig. 6B). **E)** *S. cerevisiae* WT harboring *Ptef1*::*FvCER1*, *Ptef1*::*FvCER2*, *Ptef1*::*FUM18* (see Fig. 6D).