

Jang et al. (Supplementary Figure 4)

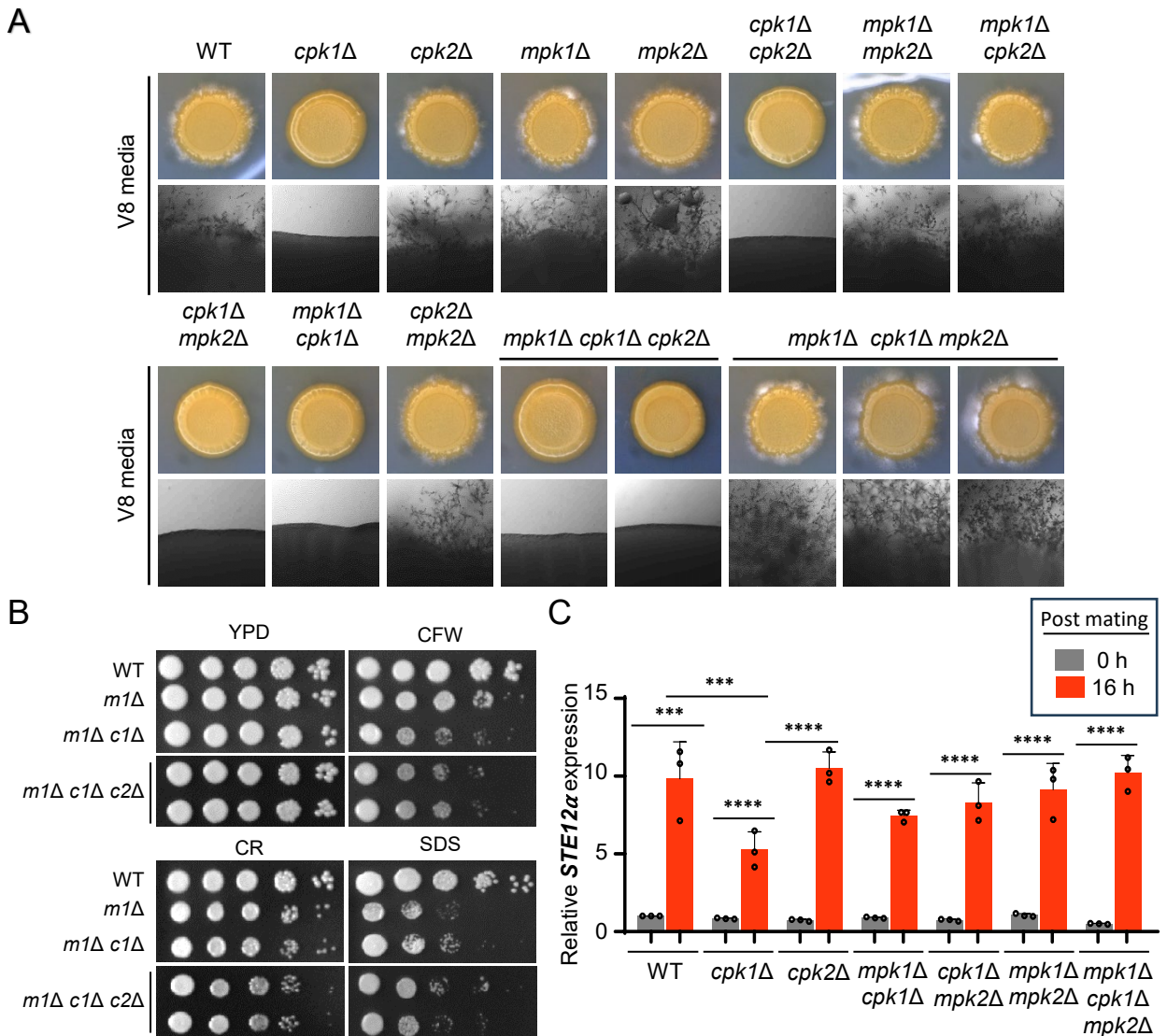


Figure. S4. The MAPKs are intricately involved in mating, regulating the Cpk1 MAPK pathway. (A) The filamentation of the MAPK mutants presented above was reconfirmed in V8 media. For *mpk1Δ cpk1Δ cpk2Δ*, two independent strains were used, and for *mpk1Δ cpk1Δ mpk2Δ*, three independent strains were utilized, all yielding consistent results. (B) Wild-type, *mpk1Δ*, *mpk1Δ cpk1Δ*, and two independent *mpk1Δ cpk1Δ cpk2Δ* strains were subjected to spot assays under cell wall and cell membrane stress conditions of 0.05% CR, 0.5 mg/ml CFW, and 0.01% SDS. (C) Under the same conditions as in figures C and E, the expression levels of *STE12α* in the wild-type and each MAPK mutant were measured. The statistical importance of the results was ascertained by conducting a one-way ANOVA followed by Tukey's test for multiple comparisons. The levels of significance were denoted as follows: '***' for *P* values less than 0.001, '****' for less than 0.0001, and 'NS' indicating a lack of statistical significance.