



Figure S4 Phenotypes of complemented $\Delta nox1$, *pro32* and $\Delta nor1$ mutants. (A) Complementation of $\Delta nox1$ and $\Delta nor1$ with the corresponding genes results in normal sexual development. The bar is 50 μm . (B) Hyphal fusion ability of *pro32* and $\Delta nor1$ mutants was restored in $\Delta nor1::nor1$ and *pro32::nox1* but not in fertile $\Delta nox1::nox1$ complemented strains. Hyphal fusion is indicated by white arrowheads; the lack of hyphal fusion is marked by black arrowheads. The bar is 50 μm . (C) Normal growth was restored in $\Delta nor1::nor1$ as it was in $\Delta nox1::nox1$ complemented strains. Growth was followed in race tubes for 6 days in three replicates.