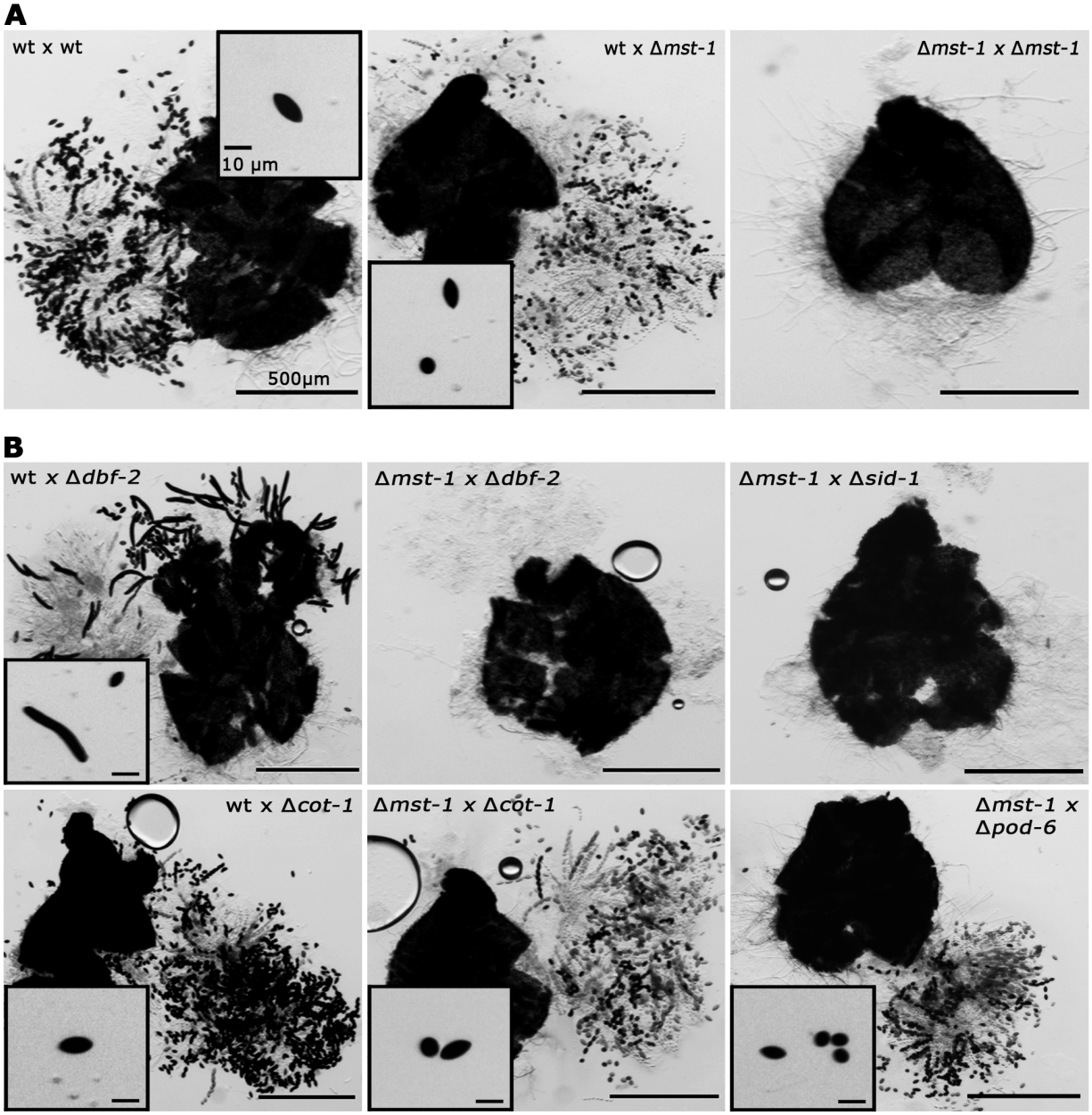

Figure S3. Δmst-1 displays synthetic interactions with SIN, but not MOR pathway mutants. (A) Δ*mst-1* x wild type crosses produced a large number of round ascospores, in contrast to the typical pea-shaped ascospores generated in wild type x wild type crosses. Δ*mst-1* x Δ*mst-1* crosses were blocked after perithecium formation, resulting in fruiting bodies that lacked most asci and all ascopores. **(B)** Synthetic defects were observed in crosses of Δ*mst-1* with *SIN* but not *MOR* mutants. Δ*mst-1* x Δ*dbf-2* and Δ*mst-1* x Δ*sid-1* crosses generated empty perithecia. In contrast, Δ*mst-1* x Δ*cot-1* and Δ*mst-1* x Δ*pod-6* crosses resulted in the expected segregation of round and normally shaped ascospores.