



**Figure S1** *sad-6<sup>Δ</sup>* crosses are homozygous-fertile. Directional crosses were performed by growing the female strain on SCM for 5 days before qualitative transfer of conidial suspensions in water of each male strain to the surface of each female mycelium. Perithecia were allowed to develop for 14 days before dissection. Rosettes of asci were photographed with a VanGuard 1433PHi Compound Microscope with an attached 10 megapixel digital camera (MP1000, AmScope). Strains: (A) F2-01 × ISU 3112; (B) F2-01 × P9-42; (C) ISU 3113 × ISU 3112; (D) ISU 3113 × P9-42. These data show that *sad-6* is not critical for mating, meiosis, or ascospore production.