

**Additional file 8 –Mutants in P type ATPase *ena1* are similar to wt in plate assays for growth and confrontation.** The strains were inoculated on PDA plates photographed at 11 days from above to show overgrowth and sporulation (A) or below to show pH indicator color (B). The wt and  $\Delta ena1$  strains were grown in confrontation with two plant pathogens.

