

Supplementary Figure 1. Raw data and fitted curves of the DR response at relative ages at onset of DR (PASM with 0.02% w/v Glucose) (A) for the autophagy deficient mutants ($\Delta PaUth1$, $\Delta PaAtg8$, $\Delta PaPspA$, and $\Delta PaAtg1$), and the wild-type parental strain *s* (in order of appearance from left to right) combined, and separately for each of the strains: (B) $\Delta PaUth1$, (C) $\Delta PaAtg8$, (D) $\Delta PaPspA$, (E) $\Delta PaAtg1$ and (F) the wild-type parental strain *s* (growth experiments were stopped after 90 days, p-values fitted curves < 0.001).

