



Figure S1 Median survival rates of different AKH genetic manipulations. A. Mean (+/- SEM) median survival rates for three replicates of male animals bearing different AKH genetic manipulations. Combination of the UAS-GFP-nls transgenes with either the a or g RNAi elements produced significant differences in lifespan as compared to controls (compare to Figure 1B) and also were significantly different than each transgene when tested in combination with the GAL80 element (which inhibits GAL4-mediated transcription). Also shown are values for an RNAi element targeting the AKH transgene directly and an AKHR deletion (*AKHR⁰¹*) and a revertant line (*AKHR^{ev}*). B. The AKH-RNAi element showed no evidence of AKH immunosignals indicating that this line produced the desired effect of reduced AKH expression. C. The AKHR deletion line exhibits no significant difference in locomotor activity under replete or starved conditions.