

disease: selectivity, synergy and modulation of protein solubility in *Drosophila*. *Hum Mol Genet*. 2000; 9:2811-2820.

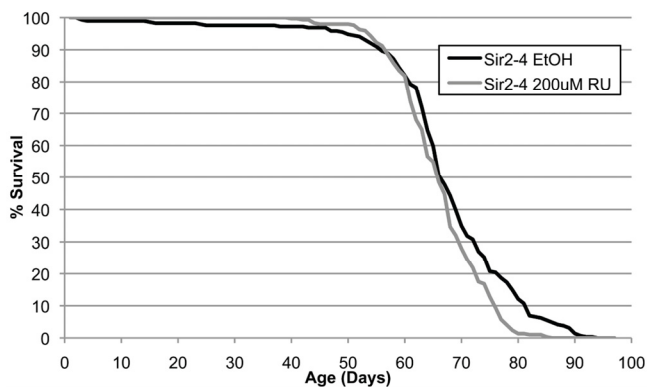
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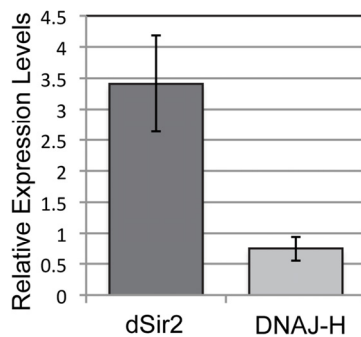
SUPPLEMENTARY FIGURES



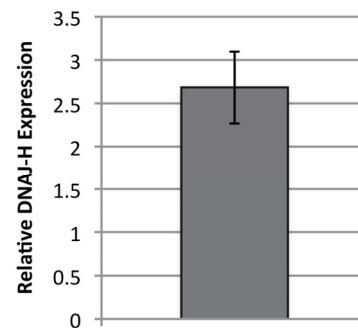
SUPPLEMENTARY TABLES

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Supplementary Figure 1. Life span is not extended in Tubulin-Gene Switch>Sir2-4 flies in the presence of RU-486. The induction of Sir2 in this condition did not extend life span, indicating that the level of dSir2 expression was not able to extend life span.



Supplementary Figure 2. *dnaJ-H* levels are not increased in ELAV-Gal4>dSir2^{EP2300} flies over-expressing *dSir2* from the endogenous *dSir2* locus. While dSir2 is over 3-fold elevated in dSir2^{EP2300} flies (dark grey bar represents *dSir2* levels as measured by qPCR, $p < 0.0001$), *dnaJ-H* levels do not change (light grey bar represents *dnaJ-H* levels as measured by qPCR, $p = 0.34$). Error bars represent SD of 3 biological replicates.



Supplementary Figure 3. When UAS-GFP is expressed using the strong, ubiquitous Daughterless-Gal4 driver, *dnaJ-H* levels are increased ($p = 0.0021$). Error bars represent SD of 3 biological replicates.