

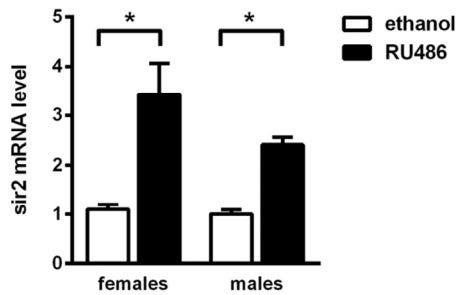
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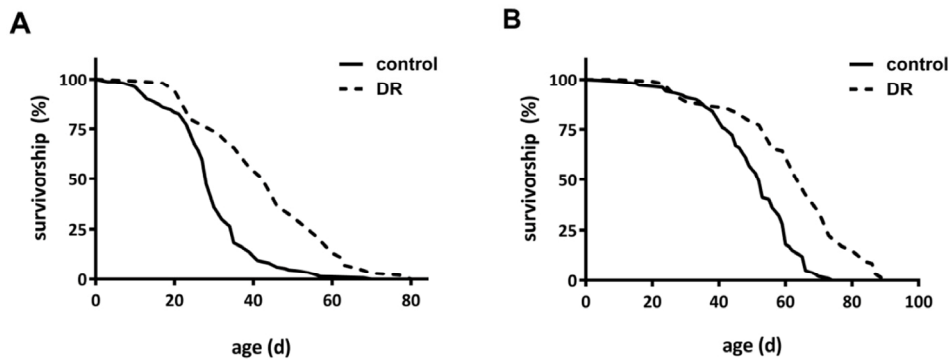
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## SUPPLEMENTAL DATA



**Figure S1. RU-486 induced weak overexpression of *Sir2* in the abdominal fat body of UAS-*Sir2*>*S1106*-Gal4 flies.** Mated flies were fed on fly food containing ethanol or 400  $\mu$ M RU486 for 24 h, fat bodies were dissected and qPCR was performed. Shown are means of 4 replicates + SEM. Mann-Whitney-U-Test was performed using GraphPad Prism 6.00. \* p-value < 0.05.



**Figure S2. DR increased life span of *Drosophila*.** Mated w1118 females (A) or males (B) fed on control medium (5 % yeast extract) or DR medium (0.25 % yeast extract) throughout adult life. n  $\geq$  95 for all groups. For results of log rank analysis see Table S2.

**Table S2. DR increased life span *Drosophila*.**

<b>Food preparation</b>	<b>Gender</b>	<b>Median life span (d)</b>	<b>Median life span extension (% of control)</b>	<b>Maximum life span (d)</b>	<b>p-value</b>	<b>n</b>
Control (5 % YE)	♀	28	-	63	-	98
DR (0.25 % YE)	♀	46	+ 64,3	77	<0,0001	99
Control (5 % YE)	♂	52	-	70	-	100
DR (0.25 % YE)	♂	66	+ 27,0	84	<0,0001	95

Data derived from log rank analysis of the survival curves shown in Fig. S2. The maximum life span is the median of 10 % survival. Log rank test was performed using GraphPad Prism 6.00. Experiments shown are representatives of two independent experiments. ns, not significant.