



Supplementary Material

Hsp90 stabilizes SIRT1 orthologs in mammalian cells and *C. elegans*

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This file includes: Supplementary Figure S1 and Legend.

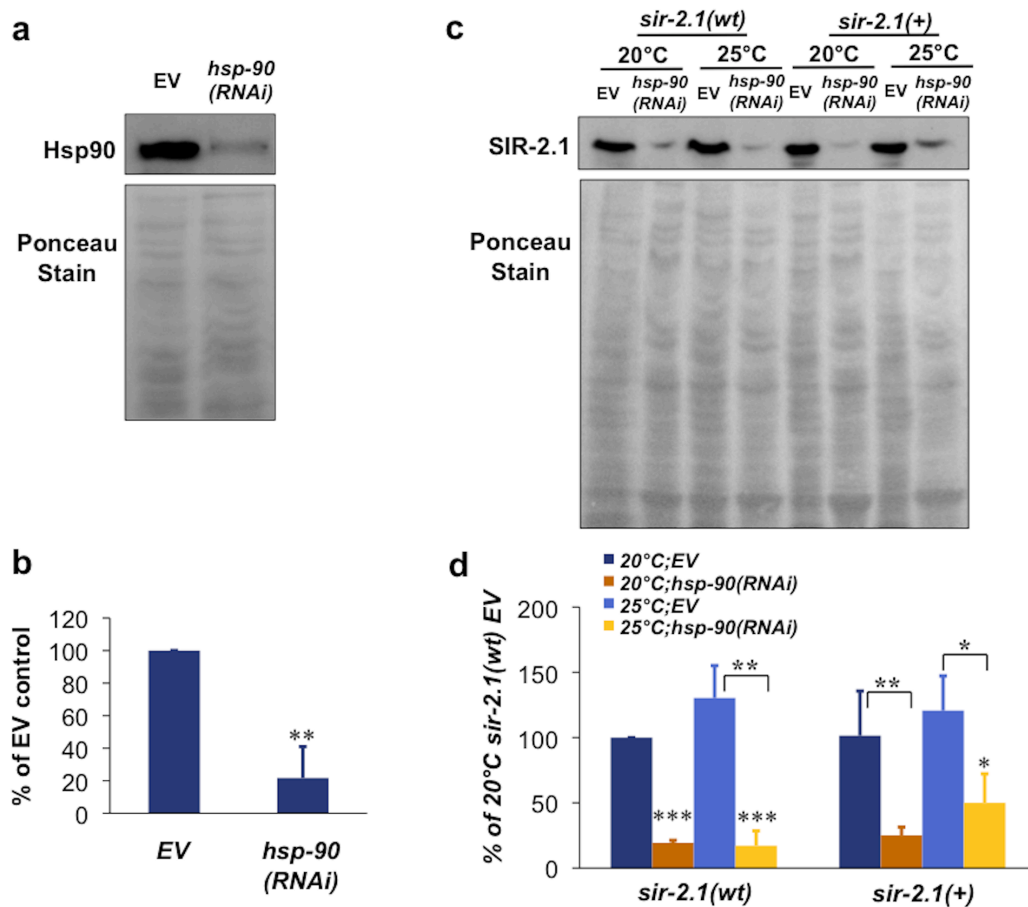


Figure S1 Hsp90 knockdown depletes SIR-2.1 protein levels in a low copy overexpressor *C. elegans* strain. **(a)** *hsp-90(RNAi)* downregulates Hsp90 protein level. Western blots of lysates from young adult N2 wildtype nematodes treated with *hsp-90(RNAi)* or empty vector (EV) from hatching. Worms were kept at 20°C. Images are representatives of three experiments. **(b)** Quantification of protein levels from the experiment shown in panel (a). Values are means \pm S.D. of three experiments and were statistically compared with the EV control. * $P < 0.01$, by two-tailed unpaired *t*-test. **(c)** *hsp-90(RNAi)* depletes SIR-2.1 protein in the low copy transgenic *sir-2.1* and its background strain. Western blots of lysates from young adult SCS004 *sir-2.1(wt)* and SCS003 *sir-2.1(+)* nematodes treated with *hsp-90(RNAi)* or empty vector (EV) from hatching. Worms were kept at 20 or 25°C. Images are representatives of three experiments. **(d)** Quantification of protein levels from the experiment shown in panel (a). Values are means \pm S.D. of three experiments and were statistically compared with the respective EV controls. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$ by two-tailed unpaired *t*-test.



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