



Survival curves of *rrf-3(pk1426)* worms subjected to RNAi at 20°C. RNAi treatment was started from L1 (A-D) or at day 0 of adulthood (E). Please see **table 2** for statistics and additional lifespan analysis results.

RNAi	RNAi start	n	Mean lifespan (days)	% change	P value	95% C.I.
L4440	L1*	128	16.61	-	-	16.22 ~ 17.00
L4440	d0 (1)	180	12.5	-	-	12.07 ~ 12.93
L4440	d0 (2)	83	12.83	-	-	12.35 ~ 13.31

L4440	d0 (3)	122	11.19	-	-	10.63 ~ 11.74
<i>acs-22</i>	L1*	46	14.74	-11.3%	2.00E-09	14.29 ~ 15.19
<i>acs-22</i>	d0 (1)	39	12.85	2.8%	4.53E-01	11.97 ~ 13.72
<i>acs-22</i>	d0 (2)	18	10	-22.1%	8.00E-04	8.57 ~ 11.43
<i>acs-22</i>	d0 (3)	43	10.4	-7.1%	1.22E-01	9.63 ~ 11.16
<i>bcat-1</i>	L1*	74	15.49	-6.7%	1.50E-06	15.18 ~ 15.80
<i>bcat-1</i>	d0 (1)	32	11.91	-4.7%	6.00E-04	11.18 ~ 12.63
<i>bcat-1</i>	d0 (2)	25	11.4	-11.1%	1.10E-03	10.71 ~ 12.09
<i>bcat-1</i>	d0 (3)	42	10.83	-3.2%	3.46E-01	10.03 ~ 11.62
C01B10.3	L1*	65	15.43	-7.1%	3.00E-01	14.56 ~ 16.31
C01B10.3	d0 (1)	29	12.66	1.3%	2.02E-01	11.44 ~ 13.87
C01B10.3	d0 (2)	41	12.7	-1.0%	8.96E-01	11.95 ~ 13.45
C01B10.3	d0 (3)	50	13.2	18.0%	1.40E-03	12.19 ~ 14.21
<i>cey-1</i>	L1*	62	15.65	-5.8%	6.50E-02	14.99 ~ 16.30
<i>cey-1</i>	d0 (1)	37	13.81	10.5%	1.00E-04	12.45 ~ 15.17
<i>cey-1</i>	d0 (2)	32	12.09	-5.8%	2.17E-01	11.19 ~ 13.00
<i>cey-1</i>	d0 (3)	42	10.75	-3.9%	1.32E-01	10.05 ~ 11.45
<i>clcc-41</i>	L1*	49	16.2	-2.5%	7.53E-01	15.46 ~ 16.95
<i>clcc-41</i>	d0 (1)	36	11.83	-5.4%	2.30E-01	10.78 ~ 12.87
<i>clcc-41</i>	d0 (2)	42	13.05	1.7%	5.24E-01	12.30 ~ 13.80
<i>clcc-41</i>	d0 (3)	67	11.97	7.0%	7.94E-02	10.99 ~ 12.95
<i>cpn-1</i>	L1*	44	13.77	-17.1%	0.00E+00	12.97 ~ 14.58
<i>cpn-1</i>	d0 (1)	38	13.34	6.7%	4.20E-03	12.37 ~ 14.32
<i>cpn-1</i>	d0 (2)	31	12.43	-3.1%	1.46E-01	11.93 ~ 12.93
<i>cpn-1</i>	d0 (3)	20	11.4	1.9%	9.97E-01	10.33 ~ 12.47
<i>cth-1</i>	L1*	44	16.59	-0.1%	6.80E-01	15.64 ~ 17.54
<i>cth-1</i>	d0 (1)	18	11.72	-6.2%	3.62E-01	10.31 ~ 13.13
<i>cth-1</i>	d0 (2)	44	12.77	-0.5%	9.26E-01	12.09 ~ 13.45
<i>cth-1</i>	d0 (3)	28	11.25	0.5%	9.53E-01	10.30 ~ 12.20
D2096.8	L1*	34	15.76	-5.1%	2.31E-01	14.05 ~ 17.47
D2096.8	d0 (1)	33	13.73	9.8%	1.00E-04	12.49 ~ 14.97
D2096.8	d0 (2)	13	12.1	-5.7%	1.40E-01	11.40 ~ 12.80
D2096.8	d0 (3)	36	11.14	-0.4%	8.78E-01	10.23 ~ 12.05
<i>pdi-3</i>	L1*	69	14.84	-10.7%	2.20E-06	14.25 ~ 15.43
<i>pdi-3</i>	d0 (1)	42	13.17	5.4%	1.19E-01	12.41 ~ 13.92
<i>pdi-3</i>	d0 (3)	51	10.96	-2.1%	7.36E-01	10.09 ~ 11.83
F13D12.6	d0 (3)	55	11.8	5.5%	4.50E-01	11.14 ~ 12.46
F53F1.2	L1*	43	17	2.3%	1.47E-01	16.11 ~ 17.89
F53F1.2	d0 (1)	33	12.58	0.6%	3.57E-01	11.51 ~ 13.64
F53F1.2	d0 (2)	32	12.4	-3.4%	1.94E-01	11.77 ~ 13.02
F53F1.2	d0 (3)	38	11.47	2.5%	8.21E-01	10.69 ~ 12.26

F55B11.3	L1*	54	16.22	-2.3%	7.24E-01	15.51 ~ 16.94
F55B11.3	d0 (1)	34	13.15	5.2%	8.30E-02	12.21 ~ 14.09
F55B11.3	d0 (2)	29	11.86	-7.6%	1.49E-02	11.26 ~ 12.46
F55B11.3	d0 (3)	81	10.77	-3.8%	2.29E-01	10.20 ~ 11.33
T24B8.5	L1*	74	16.85	1.4%	1.27E-01	16.19 ~ 17.51
T24B8.5	d0 (1)	38	12.45	-0.4%	4.17E-01	11.58 ~ 13.32
T24B8.5	d0 (2)	45	12.35	-3.7%	2.04E-01	11.72 ~ 12.99
T24B8.5	d0 (3)	54	11.67	4.3%	6.52E-01	11.05 ~ 12.28
T26C12.1	L1*	26	14.88	-10.4%	2.46E-01	13.54 ~ 16.23
T26C12.1	d0 (1)	30	11.63	-7.0%	2.80E-01	10.64 ~ 12.63
T26C12.1	d0 (2)	39	12.44	-3.0%	1.64E-01	11.99 ~ 12.88
T26C12.1	d0 (3)	31	11.19	0.0%	8.90E-01	10.16 ~ 12.23
<i>tag-210</i>	L1*	53	16.85	1.4%	1.10E-01	16.00 ~ 17.70
<i>tag-210</i>	d0 (1)	32	13.19	5.5%	1.11E-02	11.86 ~ 14.52
<i>tag-210</i>	d0 (2)	34	12.35	-3.7%	1.69E-01	11.66 ~ 13.04
<i>tag-210</i>	d0 (3)	30	11.1	-0.8%	7.70E-01	10.09 ~ 12.11
Y62H9A.3	L1*	31	17.03	2.5%	7.44E-02	15.70 ~ 18.37
Y62H9A.3	d0 (1)	30	12.17	-2.6%	5.66E-01	11.03 ~ 13.31
Y62H9A.3	d0 (2)	29	11.69	-8.9%	1.60E-02	10.92 ~ 12.46
Y62H9A.3	d0 (3)	27	10.78	-3.7%	5.15E-01	9.67 ~ 11.89
W03F11.1	d0 (1)*	35	13.1	4.8%	4.30E-03	11.95 ~ 14.24
W03F11.1	d0 (2)*	74	12.53	12.0%	1.15E-02	11.75 ~ 13.30

Lifespan analysis of *rrf-3(pk1426)* mutants subjected to RNAi of genes downregulated in both *daf-2* and DR worms. *rrf-3(pk1426)* worms were either fed bacteria containing the empty control vector (L4440) or a vector expressing a specific dsRNA. RNAi treatment was started at juvenile L1 stage or when worms had reached pre-fertile adulthood (d0). 2'fluoro-5'deoxyuridine (FUdR; f.c. 50 μ M) was added to the plates to prevent the production of progeny. Worms were kept at 20°C throughout the experiment. Mean lifespan in days. 'n', the number of worms under assay. '95% C.I.', the 95% confidence interval of mean lifespan. '*' Survival curve shown above.