

Supplementary Table ST1. Results of lifespan trials of *C. elegans* adult hermaphrodites

Trial	Food	Genotype	Treatment	N	Mean lifespan		Log-rank test		% change [†]
					days	s.e.	χ^2	P	
1	live OP50	N2	control	49	15.8	0.31	0.10	0.75	2.2
			10 μ M Res	38	16.2	0.29			
			100 μ M Res	50	16.8	0.26			
2	live OP50	N2	control	35	14.6	0.38	1.95	0.1625	7.2
			10 μ M Res	28	15.7	0.35			
			100 μ M Res	19	16.2	0.59			
3	live OP50	N2	control	57	14.4	0.29	2.72	0.0988	5.8
			10 μ M Res	46	15.3	0.28			
			100 μ M Res	51	16.3	0.34			
4	live OP50	<i>sir-2.1</i>	control	47	11.6	0.45	0.06	0.8055	-3.2
			100 μ M Res	67	11.2	0.49			
			500 μ M Res	68	10.8	0.44			
5	dead OP50 heat killed	N2	control	47	16.0	0.31	23.25	<.0001	14.4
		N2	100 μ M Res	46	18.3	0.35			
		<i>sir-2.1</i>	control	60	15.9	0.34			
		<i>sir-2.1</i>	100 μ M Res	58	16.7	0.46			
6	dead OP50 amp/kan killed	N2	control	46	14.3	0.29	3.57	0.0587	6.5
		N2	100 μ M Res	47	15.3	0.36			
		<i>sir-2.1</i>	control	45	16.4	0.37			
		<i>sir-2.1</i>	100 μ M Res	45	16.0	0.40			
7	dead OP50 amp/kan killed	N2	control	75	17.1	0.28	5.37	0.0205	5.6
		N2	100 μ M Res	72	18.1	0.34			
		<i>sir-2.1</i>	control	72	16.0	0.32			
		<i>sir-2.1</i>	100 μ M Res	71	16.5	0.33			

[†]percent change is relative to control