

Title: Identification of healthspan-promoting genes in *Caenorhabditis elegans* based on a human GWAS study

Journal: Biogerontology

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ESM_7: Pathogen-stress survival characteristics during RNAi treatment (internal controls)

treatment	n	mean survival (days)	SEM	days until deaths of population reached				
				25 %	50 %	75 %	90 %	100 %
Pathogen exposure initiation: 3 rd day of adulthood								
EV	186	5.67	0.07	4.56	5.27	5.8	6.43	8
<i>daf-2</i>	86	10.92*	0.19	9.48*	10.38*	11.54*	12.62*	14
<i>daf-16</i>	93	5.1*	0.09	3.97*	4.59*	5.29*	5.8	7
Pathogen exposure initiation: 7 th day of adulthood								
EV	183	5.88	0.1	4.65	5.55	6.37	6.87	9
<i>daf-2</i>	104	11.04*	0.25	9.25*	10.94*	12.43*	13.45*	15
<i>daf-16</i>	95	3.09*	0.09	2.02*	2.52*	3.07*	3.86*	5

Differences compared to control were considered significant at $p < 0.05$ (*). p-value determination was realized with log-rank test and subsequent Bonferroni correction for the mean lifespan and Fisher's Exact Test for specific time points. No significances were analysed for the time point of 100% deaths.