

Generation	Strain	Mean +/- SD	Median	p values	# worms	Figure
5	WT	18.257 +/- 0.586	18		53/90	
5	<i>spr-5(by101)</i>	18.942 +/- 0.578	18	0.3737	63/90	
5	WT	15.718 +/- 0.456	15		85/90	1a
5	<i>spr-5(by101)</i>	16.457 +/- 0.458	15	0.3211	84/90	1a
19	WT	20.704 +/- 0.631	22		67/90	
19	<i>spr-5(by101)</i>	24.627 +/- 0.750	24	0.0002	56/90	
20	WT	20.612 +/- 0.696	20		72/90	
20	<i>spr-5(by101)</i>	25.402 +/- 0.770	26	<0.0001	53/90	
20	WT	15.703 +/- 0.329	15		68/90	1b
20	<i>spr-5(by101)</i>	20.856 +/- 0.747	21	<0.0001	56/90	1b
20	WT	15.505 +/- 0.447	17		86/90	
20	<i>spr-5(by101)</i>	20.161 +/- 0.564	19	<0.0001	77/90	
22	WT	17.217 +/- 0.562	18		53/90	
22	<i>spr-5(by101)</i>	20.611 +/- 0.640	20	<0.0001	65/90	
6	WT	18.246 +/- 0.397	18		87/90	S1
6	<i>spr-5(by134)</i>	18.821 +/- 0.407	18	0.4614	69/90	S1
7	WT	17.295 +/- 0.394	18		80/90	S1
7	<i>spr-5(by134)</i>	20.753 +/- 0.612	22	<0.0001	66/90	S1
8	WT	18.227 +/- 0.465	17		88/90	S1
8	<i>spr-5(by134)</i>	19.772 +/- 0.449	21	0.0545	71/90	S1
9	WT	17.590 +/- 0.390	18		80/90	S1
9	<i>spr-5(by134)</i>	20.971 +/- 0.450	20	<0.0001	83/90	S1
6	WT	21.403 +/- 0.454	21		72/90	S1
6	<i>spr-5(by134)</i>	21.317 +/- 0.489	21	0.9533	66/90	S1
7	WT	20.686 +/- 0.440	20		79/90	S1
7	<i>spr-5(by134)</i>	20.988 +/- 0.557	22	0.4310	61/90	S1
8	WT	19.624 +/- 0.313	20		84/90	S1
8	<i>spr-5(by134)</i>	23.758 +/- 0.467	25	<0.0001	76/90	S1
9	WT	18.616 +/- 0.369	20		81/90	S1
9	<i>spr-5(by134)</i>	23.355 +/- 0.415	24	0.0001	73/90	S1

**Supplementary Table 1. *Spr-5(by101)* and *spr-5(by134)* mutant worms have a transgenerational extended longevity** The figure panels in which specific experiments are shown or used are indicated in the right column. The mean lifespan and SD values were calculated by StatView from triplicate samples of 30 worms each (90 worms total). # worms: number of observed dead worms at the end of the experiment/number of alive worms at the beginning of the experiment. The difference between both numbers corresponds to the number of censored worms (worms that underwent “matricide”, exhibited ruptured vulva, or crawled off the plates). P values are calculated by log rank (Mantel-Cox) statistical test.