

Table S1 GENESDEV/2017/309625_Zhang

Strain	Temp (°C)	Mean Lifespan ± SEM	Median Lifespan	N(assaye d/total)	P Value against control	Figure
WT	20	18.98±0.55	19	75/103	—	1a
<i>trpa-1(ok999)</i>	20	15.55±0.52	17	59/90	<0.001	1a
<i>xuEx606[Prgef-1::trpa-1]</i>	20	22.26±0.71	23	76/101	<0.001	1a
WT	20	20.83±0.80	21	66/90	—	Exp.2
<i>trpa-1(ok999)</i>	20	18.45±0.43	19	85/115	<0.001	
<i>xuEx606[Prgef-1::trpa-1]</i>	20	23.35±0.84	23	72/93	0.018	
WT	25	12.79±0.53	10	84/107	—	1b
<i>trpa-1(ok999)</i>	25	13.40±0.61	13	42/80	0.965	1b
<i>xuEx606[Prgef-1::trpa-1]</i>	25	12.74±0.54	12	89/106	0.800	1b
WT	25	14.36±0.50	15	65/90	—	Exp.2
<i>trpa-1(ok999)</i>	25	13.46±0.60	14	49/72	0.197	
<i>xuEx606[Prgef-1::trpa-1]</i>	25	14.67±0.53	13	117/136	0.097	
WT	20	20.41±0.56	20	54/91	—	1c
<i>xuEx1372[Posm-6::trpa-1]</i>	20	24.46±0.62	24	50/80	<0.001	1c
WT	20	19.75±0.57	21	65/92	—	Exp.2
<i>xuEx1372[Posm-6::trpa-1]</i>	20	25.09±0.82	26	54/78	<0.001	
WT	20	20.41±0.56	20	54/91	—	1d
<i>xuEx1382[Pglr-1::trpa-1]</i>	20	20.40±0.72	21	58/75	0.526	1d
<i>xuEx1362[Pacr-2::trpa-1]</i>	20	21.82±0.66	21	67/90	0.138	1d
<i>xuEx1366[Punc-25::trpa-1]</i>	20	20.08±0.37	20	83/112	0.475	1d
WT	20	19.70±0.70	19	67/97	—	Exp.2
<i>xuEx1382[Pglr-1::trpa-1]</i>	20	20.54±0.65	21	66/102	0.555	
<i>xuEx1362[Pacr-2::trpa-1]</i>	20	19.06±0.67	19	56/85	0.390	
<i>xuEx1366[Punc-25::trpa-1]</i>	20	19.27±0.34	18	62/96	0.070	
WT	20	19.85±0.57	20	77/106	—	1e
<i>xuEx1670[IL1::trpa-1]</i>	20	23.93±0.78	24	61/97	<0.001	1e
WT	20	19.74±0.48	20	76/104	—	Exp.2
<i>xuEx1670[IL1::trpa-1]</i>	20	22.96±0.56	24	74/102	<0.001	
WT	25	13.62±0.58	12	86/108	—	1f
<i>xuEx1670[IL1::trpa-1]</i>	25	13.74±0.56	14	91/102	0.876	1f
WT	25	12.20±0.44	10	91/105	—	Exp.2
<i>xuEx1670[IL1::trpa-1]</i>	25	12.22±0.40	12	96/104	0.494	
WT	20	21.49±0.56	22	125/157	—	1g
<i>trpa-1(ok999)</i>	20	18.56±0.56	28	70/99	<0.001	1g
<i>trpa-1(ok999); xuEx1670</i>	20	23.00±0.79	24	69/101	0.171	1g
WT	20	21.10±0.52	22	74/99	—	Exp.2
<i>trpa-1(ok999)</i>	20	19.05±0.61	20	72/99	0.045	

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<i>trpa-1(ok999); xuEx1670</i>	20	22.53±0.79	23	47/72	0.034	
WT	20	21.46±0.57	20	54/90	—	1k
<i>xuEx2139[IL1::TeTx]</i>	20	18.55±0.54	22	64/91	<0.001	1k
WT	20	18.50±0.59	19	74/101	—	Exp.2
<i>xuEx2139[IL1::TeTx]</i>	20	16.76±0.50	17	68/96	0.008	
WT	20	17.73±0.59	18	64/99	—	1l
<i>xuEx2367[IL1::syntaxin(T254I)]</i>	20	24.47±0.71	24	77/103	<0.001	1l
WT	20	19.52±0.67	20	49/82	—	Exp.2
<i>xuEx2367[IL1::syntaxin(T254I)]</i>	20	23.23±0.87	24	52/78	<0.001	
WT	20	18.91±0.72	20	65/89	—	1m
<i>xuEx1670[IL1::trpa-1]</i>	20	22.50±0.82	24	60/90	<0.001	1m
<i>daf-16(mgDf47)</i>	20	15.12±0.44	14	82/98	<0.001	1m
<i>daf-16(mgDf47); xuEx1670[IL1::trpa-1]</i>	20	15.79±0.50	16	65/90	<0.001	1m
WT	20	20.40±0.64	21	63/90	—	Exp.2
<i>xuEx1670[IL1::trpa-1]</i>	20	22.83±0.66	23	68/90	0.006	
<i>daf-16(mgDf47)</i>	20	15.82±0.33	17	82/100	<0.001	
<i>daf-16(mgDf47); xuEx1670[IL1::trpa-1]</i>	20	15.24±0.34	15	79/90	<0.001	
WT	20	19.89±0.41	20	78/106	—	1n
<i>xuEX1670[IL1::trpa-1]</i>	20	23.30±0.52	24	73/99	<0.001	1n
<i>daf-16(mgDf47)</i>	20	16.69±0.29	18	84/101	<0.001	1n
<i>daf-16(mgDf47); xuEx1670[IL1::trpa-1]</i>	20	16.47±0.33	18	77/101	<0.001	1n
<i>daf-16(mgDf47); xuEx2302[Pges-1::daf-16]</i>	20	22.29±0.53	22	77/106	<0.001	1n
<i>daf-16(mgDf47); xuEx2302; xuEx1670</i>	20	24.77±0.71	26	46/72	<0.001	1n
WT	20	19.10±0.51	19	78/106	—	1o
<i>xuEX1670[IL1::trpa-1]</i>	20	22.54±0.55	23	62/90	<0.001	1o
<i>daf-16(mgDf47)</i>	20	16.60±0.43	18	81/100	<0.001	1o
<i>daf-16(mgDf47); xuEx1670[IL1::trpa-1]</i>	20	16.42±0.54	16	63/90	<0.001	1o
<i>daf-16(mgDf47); xuEx2463[Prgef-1::daf-16]</i>	20	16.98±0.46	19	70/84	<0.001	1o
<i>daf-16(mgDf47); xuEx2463; xuEX1670</i>	20	16.58±0.57	17	54/75	<0.001	1o
WT	20	19.87±0.58	21	62/89	—	Exp.2
<i>xuEX1670[IL1::trpa-1]</i>	20	22.75±0.54	23	51/82	<0.001	
<i>daf-16(mgDf47)</i>	20	17.10±0.39	18	76/100	<0.001	
<i>daf-16(mgDf47); xuEx1670[IL1::trpa-1]</i>	20	16.42±0.54	16	63/90	<0.001	
<i>daf-16(mgDf47); xuEx2302[Pges-1::daf-16]</i>	20	21.73±0.41	21	129/163	<0.001	
<i>daf-16(mgDf47); xuEx2302; xuEx1670</i>	20	24.69±0.65	24	70/109	<0.001	
<i>daf-16; xuEx2463[Prgef-1::daf-16]</i>	20	18.21±0.35	19	85/99	0.003	
<i>daf-16(mgDf47); xuEx2463; xuEX1670</i>	20	17.47±0.47	19	69/89	<0.001	
<i>unc-13(e51)</i>	20	23.49±1.03	22	77/101	—	2a
<i>unc-13(e51); xuEx1670[IL1::trpa-1]</i>	20	22.90±0.99	22	96/103	0.778	2a
<i>unc-13(e51)</i>	20	30.00±1.22	31	72/94	—	Exp.2
<i>unc-13(e51); xuEx1670[IL1::trpa-1]</i>	20	30.60±1.12	29	75/94	0.819	
<i>unc-31(e169)</i>	20	22.51±0.63	23	82/102	—	2b
<i>unc-31(e169); xuEx1670[IL1::trpa-1]</i>	20	26.21±0.62	27	91/104	<0.001	2b
<i>unc-31(e169)</i>	20	21.96±0.66	23	108/111	—	Exp.2

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<i>unc-31(e169); xuEx1670[IL1::trpa-1]</i>	20	25.14±0.93	25	100/107	<0.001	
WT	20	19.30±0.70	20	71/101	—	2c&2d
<i>xuEx1670[IL1::trpa-1]</i>	20	23.18±0.76	24	63/90	<0.001	2c&2d
<i>xuEx165c [IL1::unc-13(RNAi)]</i>	20	16.49±0.50	15	77/89	<0.001	2c
<i>xuEx165c; xuEx1670</i>	20	15.73±0.56	15	60/81	<0.001	2c
<i>xuEx163c [IL1::unc-31(RNAi)]</i>	20	19.27±0.60	20	66/89	0.458	2d
<i>xuEx163c; xuEx1670</i>	20	22.98±0.64	23	67/89	<0.001	2d
WT	20	18.64±0.61	17	71/101	—	Exp.2
<i>xuEx1670[IL1::trpa-1]</i>	20	21.86±0.71	23	63/90	<0.001	
<i>xuEx165c[IL1::unc-13(RNAi)]</i>	20	16.40±0.56	15	77/89	0.006	
<i>xuEx165c; xuEx1670</i>	20	16.57±0.56	15	60/81	0.011	
<i>xuEx163c [IL1::unc-31(RNAi)]</i>	20	19.13±0.53	18	66/89	0.53	
<i>xuEx163c; xuEx1670</i>	20	23.04±0.81	23	67/89	<0.001	
<i>eat-4(ky5)</i>	20	20.23±0.59	20	52/90	—	2e
<i>eat-4(ky5); xuEx1670[IL1::trpa-1]</i>	20	20.65±0.68	22	49/79	0.660	2e
<i>eat-4(ky5)</i>	20	21.63±0.43	21	81/99	—	Exp.2
<i>eat-4(ky5); xuEx1670[IL1::trpa-1]</i>	20	21.62±0.61	21	57/87	0.646	
WT	20	19.98±0.46	22	73/98	—	2f
<i>xuEx1670[IL1::trpa-1]</i>	20	23.20±0.46	24	70/102	<0.001	2f
<i>xuEx2269[IL1::eat-4(RNAi)]</i>	20	15.87±0.62	18	96/99	<0.001	2f
<i>xuEx2269; xuEx1670</i>	20	16.86±0.75	18	56/61	0.006	2f
WT	20	20.46±0.51	22	80/103	—	Exp.2
<i>xuEx1670[IL1::trpa-1]</i>	20	22.92±0.53	24	62/90	0.001	
<i>xuEx2269[IL1::eat-4(RNAi)]</i>	20	17.47±0.55	18	99/103	<0.001	
<i>xuEx2269; xuEx1670</i>	20	18.27±0.66	18	64/68	0.029	
<i>mgl-1(tm1811)</i>	20	20.82±0.69	20	64/100	—	2h
<i>mgl-1(tm1811); xuEx1670[IL1::trpa-1]</i>	20	20.27±0.69	20	61/94	0.414	2h
<i>mgl-1(tm1811)</i>	20	19.88±0.70	21	55/88	—	Exp.2
<i>mgl-1(tm1811); xuEx1670[IL1::trpa-1]</i>	20	18.33±0.80	19	57/89	0.319	
<i>unc-25(e156)</i>	20	21.73±0.67	22	78/105	—	3a
<i>unc-25(e156); xuEx1670[IL1::trpa-1]</i>	20	27.33±0.79	28	75/101	<0.001	3a
<i>unc-25(e156)</i>	20	21.30±0.71	22	73/101	—	Exp.2
<i>unc-25(e156); xuEx1670[IL1::trpa-1]</i>	20	23.28±0.95	26	65/96	0.007	
<i>cat-2(e1112)</i>	20	19.65±0.66	20	65/95	—	3b
<i>cat-2(e1112); xuEx1670[IL1::trpa-1]</i>	20	23.47±0.66	24	73/100	<0.001	3b
<i>cat-2(e1112)</i>	20	19.70±0.62	20	74/101	—	Exp.2
<i>cat-2(e1112); xuEx1670[IL1::trpa-1]</i>	20	22.43±0.54	22	84/106	0.003	
<i>tbh-1(n3247)</i>	20	19.65±0.66	20	65/95	—	3c
<i>tbh-1(n3247); xuEx1670[IL1::trpa-1]</i>	20	23.47±0.66	24	73/100	<0.001	3c
<i>tbh-1(n3247)</i>	20	19.70±0.62	20	74/101	—	Exp.2
<i>tbh-1(n3247); xuEx1670[IL1::trpa-1]</i>	20	22.43±0.54	22	84/106	0.003	
<i>tdc-1(n3419)</i>	20	19.44±0.72	20	63/89	—	3d
<i>tdc-1(n3419); xuEx1670[IL1::trpa-1]</i>	20	22.52±0.69	24	73/101	0.002	3d

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<i>tdc-1(n3419)</i>	20	19.27±0.60	20	82/124	—	Exp.2
<i>tdc-1(n3419); xuEx1670[IL1::trpa-1]</i>	20	21.44±0.47	22	114/144	0.006	
<i>unc-17(e245)</i>	20	18.10±0.56	18	91/100	—	3e
<i>unc-17(e245); xuEx1670[IL1::trpa-1]</i>	20	20.84±0.65	22	84/101	<0.001	3e
<i>unc-17(e245)</i>	20	17.36±0.62	16	97/102	—	Exp.2
<i>unc-17(e245); xuEx1670[IL1::trpa-1]</i>	20	19.29±0.69	20	92/99	0.016	
<i>tph-1(mg280)</i>	20	20.84±0.71	22	66/91	—	3f
<i>tph-1(mg280); xuEx1670[IL1::trpa-1]</i>	20	19.94±0.81	20	54/90	0.529	3f
<i>tph-1(mg280)</i>	20	21.63±0.63	22	70/105	—	Exp.2
<i>tph-1(mg280); xuEx1670[IL1::trpa-1]</i>	20	20.20±0.64	20	71/101	0.162	
WT	20	17.70±0.58	18	58/91	—	3g
<i>xuEx1670[IL1::trpa-1]</i>	20	21.14±0.74	22	65/90	<0.001	3g&3h
<i>mgl-1(tm1811)</i>	20	17.62±0.81	17	54/83	0.483	3g
<i>mgl-1(tm1811); xuEx1670[IL1::trpa-1]</i>	20	17.87±0.71	17	56/91	0.294	3g&3h
<i>mgl-1(tm1811); xuEx1670; xuEx2364[Ptph-1::mgl-1]</i>	20	22.89±0.96	23	50/85	<0.001	3g
<i>mgl-1(tm1811); xuEx1670; xuEx2331[NSM::mgl-1]</i>	20	23.89±0.86	23	56/83	<0.001	3h
<i>mgl-1(tm1811); xuEx1670; xuEx2378[ADF::mgl-1]</i>	20	18.71±0.60	18	70/100	0.094	3h
WT	20	20.09±0.58	22	78/108	—	Exp.2
<i>xuEx1670[IL1::trpa-1]</i>	20	23.25±0.60	24	71/101	<0.001	
<i>mgl-1(tm1811)</i>	20	18.42±0.67	20	59/91	0.081	
<i>mgl-1(tm1811); xuEx1670[IL1::trpa-1]</i>	20	19.35±0.73	20	63/96	0.908	
<i>mgl-1(tm1811); xuEx1670; xuEx2364[Ptph-1::mgl-1]</i>	20	23.06±0.96	24	58/82	<0.001	
<i>mgl-1(tm1811); xuEx1670; xuEx2331[NSM::mgl-1]</i>	20	23.36±0.73	25	82/110	<0.001	
<i>mgl-1(tm1811); xuEx1670; xuEx2378[ADF::mgl-1]</i>	20	19.66±0.61	20	71/103	0.688	
WT	20	21.55±0.61	22	85/100	—	3i
<i>xuEx1670[IL1::trpa-1]</i>	20	24.66±0.71	26	63/96	0.001	3i
<i>xuEx31c[NSM::TeTx]</i>	20	19.04±0.58	20	70/90	0.001	3i
<i>xuEx31c; xuEx1670</i>	20	18.92±0.59	20	76/97	0.001	3i
WT	20	21.29±0.56	23	84/98	—	Exp.2
<i>xuEx1670[IL1::trpa-1]</i>	20	24.04±0.71	25	65/99	<0.001	
<i>xuEx31c[NSM::TeTx]</i>	20	18.58±0.61	18	70/91	0.001	
<i>xuEx31c; xuEx1670</i>	20	19.08±0.58	20	76/96	0.005	
WT	20	18.20±0.57	20	64/96	—	3j
<i>xuEx2331[NSM::mgl-1]</i>	20	21.51±0.54	22	76/106	<0.001	3j
<i>daf-16(mgDf47)</i>	20	14.95±0.50	14	64/88	<0.001	3j
<i>daf-16(mgDf47); xuEx2331</i>	20	14.90±0.49	14	64/97	<0.001	3j
WT	20	20.22±0.51	20	68/101	—	Exp.2
<i>xuEx2331[NSM::mgl-1]</i>	20	22.87±0.67	24	68/98	<0.001	
<i>daf-16(mgDf47)</i>	20	18.04±0.40	18	84/101	<0.001	
<i>daf-16(mgDf47); xuEx2331</i>	20	17.52±0.42	18	82/103	<0.001	
WT	20	20.26±0.41	21	79/104	—	3k
<i>xuEx2295[NSM::syntaxin(T254I)]</i>	20	23.01±0.59	23	65/87	<0.001	3k

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<i>daf-16(mgDf47)</i>	20	15.85±0.31	17	99/101	<0.001	3k
<i>daf-16(mgDf47); xuEx2295</i>	20	15.89±0.34	17	90/95	<0.001	3k
WT	20	18.76±0.65	20	64/83	—	Exp.2
<i>xuEx2295[NSM::syntaxin(T254I)]</i>	20	21.23±0.67	22	73/102	0.001	
<i>daf-16(mgDf47)</i>	20	15.68±0.50	16	70/96	<0.001	
<i>daf-16(mgDf47); xuEx2295</i>	20	16.21±0.41	16	92/104	<0.001	
<i>ser-7(tm1325)</i>	20	19.00±0.38	20	78/107	—	4b
<i>ser-7(tm1325); xuEx1670[IL1::trpa-1]</i>	20	19.05±0.66	21	55/93	0.149	4b
<i>ser-7(tm1325); xuEx2331[NSM::mgl-1]</i>	20	19.35±0.42	20	69/99	0.483	4b
<i>ser-7(tm1325)</i>	20	20.57±0.40	20	75/100	—	Exp.2
<i>ser-7(tm1325); xuEx1670[IL1::trpa-1]</i>	20	21.06±0.62	22	69/94	0.052	
<i>ser-7(tm1325); xuEx2331[NSM::mgl-1]</i>	20	19.36±0.44	20	71/98	0.076	
WT	20	18.66±0.49	19	63/99	—	4c
<i>xuEx1670[IL1::trpa-1]</i>	20	21.77±0.65	23	72/100	<0.001	4c
<i>ser-7(tm1325)</i>	20	18.28±0.61	19	60/89	0.761	4c
<i>ser-7(tm1325); xuEx1670[IL1::trpa-1]</i>	20	18.77±0.65	19	71/96	0.202	4c
<i>ser-7(tm1325); xuEx1670; xuEx2330[Pges-1::ser-7]</i>	20	22.90±0.76	23	66/92	<0.001	4c
WT	20	18.26±0.63	19	56/83	—	Exp.2
<i>xuEx1670[IL1::trpa-1]</i>	20	21.92±0.72	23	57/90	<0.001	
<i>ser-7(tm1325)</i>	20	19.09±0.50	19	58/91	0.757	
<i>ser-7(tm1325); xuEx1670[IL1::trpa-1]</i>	20	18.82±0.62	19	49/81	0.761	
<i>ser-7(tm1325); xuEx1670; xuEx2330[Pges-1::ser-7]</i>	20	23.24±0.73	23	50/80	<0.001	
vector RNAi	20	19.76±0.45	21	102/108	—	4d
vector RNAi; <i>xuEx2395[Pges-1::ser-7]</i>	20	22.84±0.58	23	78/97	<0.001	4d
<i>daf-16(RNAi)</i>	20	14.97±0.45	15	62/92	<0.001	4d
<i>daf-16(RNAi); xuEx2395</i>	20	15.37±0.43	15	64/94	<0.001	4d
vector RNAi	20	20.61±0.55	21	86/95	—	Exp.2
vector RNAi; <i>xuEx2395[Pges-1::ser-7]</i>	20	23.21±0.72	25	77/97	<0.001	
<i>daf-16(RNAi)</i>	20	18.17±0.46	19	89/100	<0.001	
<i>daf-16(RNAi); xuEx2395</i>	20	17.64±0.57	19	89/98	<0.001	
WT	25	10.52±0.39	11	72/100	—	5c
<i>xuEx2070[ASJ::TeTx]</i>	25	14.83±0.48	14	77/100	<0.001	5c
WT	25	10.21±0.52	10	75/100	—	Exp.2
<i>xuEx2070[ASJ::TeTx]</i>	25	13.03±0.36	13	70/100	<0.001	
WT	20	20.41±0.42	20	77/100	—	5d
<i>xuEx2070[ASJ::TeTx]</i>	20	21.51±0.37	21	77/100	0.198	5d
WT	20	18.89±0.34	19	79/100	—	Exp.2
<i>xuEx2070[ASJ::TeTx]</i>	20	20.42±0.27	20	69/100	0.088	
WT	25	11.02±0.44	10	78/100	—	5e
<i>xuEx2070[ASJ::TeTx]</i>	25	14.00±0.48	14	70/100	<0.001	5e
<i>xuEx2415[ASJ::tax-4(RNAi)]</i>	25	14.37±0.39	14	58/80	<0.001	5e
<i>xuEx2387[ASJ::tax-2(RNAi)]</i>	25	14.02±0.12	14	62/80	<0.001	5e

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WT	25	10.75±0.34	11	75/100	—	Exp.2
<i>xuEx2070[ASJ::TeTx]</i>	25	13.97±0.34	14	74/100	<0.001	
<i>xuEx2415[ASJ::tax-4(RNAi)]</i>	25	13.83±0.40	14	65/80	<0.001	
<i>xuEx2387[ASJ::tax-2(RNAi)]</i>	25	13.77±0.71	14	66/80	<0.001	
WT	25	10.19±0.23	10	80/100	—	5f
<i>xuEx2291[ASJ::syntaxin(T254I)]</i>	25	6.66±0.28	7	62/70	<0.001	5f
WT	25	10.62±0.86	11	76/100	—	Exp.2
<i>xuEx2291[ASJ::syntaxin(T254I)]</i>	25	6.76±0.25	7	60/70	<0.001	
WT	25	10.52±0.41	10	70/100	—	5g
<i>daf-16(mgDf47)</i>	25	8.29±0.35	8	65/80	<0.001	5g
<i>xuEx2070[ASJ::TeTx]</i>	25	14.11±0.42	14	79/100	<0.001	5g
<i>daf-16(mgDf47); xuEx2070</i>	25	8.20±0.31	8	62/84	<0.001	5g
<i>daf-16(mgDf47); xuEx2070;</i> <i>xuEx2416[Pges-1::daf-16]</i>	25	13.50±0.46	14	63/80	<0.001	5g
<i>daf-16(mgDf47); xuEx2070;</i> <i>xuEx2418[Prgef-1::daf-16]</i>	25	7.76±0.31	7	68/80	<0.001	5g
WT	25	10.77±0.21	11	76/100	—	Exp.2
<i>daf-16(mgDf47)</i>	25	8.05±0.68	8	60/80	<0.001	
<i>xuEx2070[ASJ::TeTx]</i>	25	13.91±0.12	14	83/100	<0.001	
<i>daf-16(mgDf47); xuEx2070</i>	25	8.11±0.56	8	60/85	<0.001	
<i>daf-16(mgDf47); xuEx2070;</i> <i>xuEx2416[Pges-1::daf-16]</i>	25	13.52±0.61	14	59/80	<0.001	
<i>daf-16(mgDf47); xuEx2070;</i> <i>xuEx2418[Prgef-1::daf-16]</i>	25	7.57±0.55	8	65/83	<0.001	
WT	25	10.25±0.38	10	73/100	—	6a
<i>xuEx2083[ASJ::unc-13(RNAi)]</i>	25	10.68±0.39	11	80/100	0.539	6a
<i>xuEx2113[ASJ::unc-31(RNAi)]</i>	25	14.08±0.36	14	80/100	<0.001	6a
WT	25	10.27±0.29	10	78/100	—	Exp.2
<i>xuEx2083[ASJ::unc-13(RNAi)]</i>	25	10.33±0.34	10	77/100	0.348	
<i>xuEx2113[ASJ::unc-31(RNAi)]</i>	25	13.86±0.58	14	82/100	<0.001	
vector RNAi	25	10.03±0.14	10	70/100	—	6b
vector RNAi; <i>xuEx2140[ASJ::ins-6(RNAi)]</i>	25	12.02±0.35	12	68/100	<0.001	6b
vector RNAi; <i>xuEx2141[ASJ::daf-28(RNAi)]</i>	25	12.56±0.11	12	66/100	<0.001	6b
vector RNAi; <i>xuEx2133</i> <i>[ASJ::ins-6+daf-28(RNAi)]</i>	25	13.79±0.62	14	65/100	<0.001	6b
<i>daf-16(RNAi)</i>	25	7.89±0.45	8	68/100	<0.001	6b
<i>daf-16(RNAi); xuEx2140</i>	25	7.59±0.78	8	62/100	<0.001	6b
<i>daf-16(RNAi); xuEx2141</i>	25	7.73±0.53	8	71/100	<0.001	6b
<i>daf-16(RNAi); xuEx2133</i>	25	7.94±0.27	8	70/100	<0.001	6b
vector RNAi	25	10.36±0.13	10	76/100	—	Exp.2
vector RNAi; <i>xuEx2140[ASJ::ins-6(RNAi)]</i>	25	11.77±0.83	12	63/100	<0.001	
vector RNAi; <i>xuEx2141[ASJ::daf-28(RNAi)]</i>	25	12.21±0.41	12	67/100	<0.001	
vector RNAi; <i>xuEx2133</i> <i>[ASJ::ins-6+daf-28(RNAi)]</i>	25	13.45±0.18	13	75/100	<0.001	
<i>daf-16(RNAi)</i>	25	8.03±0.29	8	64/100	<0.001	
<i>daf-16(RNAi); xuEx2140</i>	25	8.15±0.35	8	68/100	<0.001	
<i>daf-16(RNAi); xuEx2141</i>	25	7.78±0.85	8	66/100	<0.001	
<i>daf-16(RNAi); xuEx2133</i>	25	8.31±0.13	8	63/100	<0.001	
<i>xuEx2291[ASJ::syntaxin(T254I)]</i>	25	7.89±0.41	8	57/70	—	6c
<i>ins-6(tm2416); daf-28(tm2308)</i>	25	11.87±0.38	12	78/100	<0.001	6c

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<i>ins-6(tm2416); daf-28(tm2308); xuEx2291</i>	25	11.51±0.37	11	77/100	<0.001	6c
<i>xuEx2291[ASJ::syntaxin(T254I)]</i>	25	7.77±0.58	8	55/70	—	Exp.2
<i>ins-6(tm2416); daf-28(tm2308)</i>	25	10.91±0.57	11	80/100	<0.001	
<i>ins-6(tm2416); daf-28(tm2308); xuEx2291</i>	25	11.03±0.43	11	79/100	<0.001	
WT	25	10.01±0.36	10	76/100	—	6d
<i>daf-2(e1368)</i>	25	25.66±0.43	26	80/100	<0.001	6d
<i>xuEx2070[ASJ::TeTx]</i>	25	13.87±0.73	14	70/100	<0.001	6d
<i>daf-2(e1368); xuEx2070</i>	25	26.35±0.40	26	63/70	<0.001	6d
WT	25	10.32±0.25	10	72/100	—	Exp.2
<i>daf-2(e1368)</i>	25	26.77±0.52	27	84/100	<0.001	
<i>xuEx2070[ASJ::TeTx]</i>	25	13.14±0.33	13	68/100	<0.001	
<i>daf-2(e1368); xuEx2070</i>	25	26.21±0.46	26	58/70	<0.001	
WT	25	11.24±0.35	11	76/100	—	6e
<i>daf-2(e1368)</i>	25	27.44±0.38	27	79/100	<0.001	6e
<i>xuEx2291[ASJ::syntaxin(T254I)]</i>	25	7.63±0.65	8	58/70	<0.001	6e
<i>daf-2(e1368); xuEx2291</i>	25	27.03±0.28	27	57/70	<0.001	6e
WT	25	9.97±0.62	10	81/100	—	Exp.2
<i>daf-2(e1368)</i>	25	25.76±0.55	26	77/100	<0.001	
<i>xuEx2291[ASJ::syntaxin(T254I)]</i>	25	8.46±0.19	8	52/70	<0.001	
<i>daf-2(e1368); xuEx2291</i>	25	26.12±0.37	26	55/70	<0.001	
<i>daf-2(e1368)</i>	25	27.44±0.38	27	79/100	—	6f
<i>daf-2(e1368); xuEx2537[Pges-1::daf-2]</i>	25	21.26±0.39	21	63/70	<0.001	6f
<i>daf-2(e1368); xuEx2538[Prgef-1::daf-2]</i>	25	18.48±0.29	18	60/70	<0.001	6f
<i>daf-2(e1368); xuEx2537;</i>	25	12.33±0.40	12	57/70	<0.001	6f
<i>xuEx2291[ASJ::syntaxin(T254I)]</i>	25	17.84±0.49	18	55/70	<0.001	6f
<i>daf-2(e1368); xuEx2538; xuEx2291</i>	25	17.84±0.49	18	55/70	<0.001	6f
<i>daf-2(e1368)</i>	25	25.76±0.55	26	77/100	—	Exp.2
<i>daf-2(e1368); xuEx2537[Pges-1::daf-2]</i>	25	21.78±0.60	22	63/70	<0.001	
<i>daf-2(e1368); xuEx2538[Prgef-1::daf-2]</i>	25	19.34±0.24	19	60/70	<0.001	
<i>daf-2(e1368); xuEx2537;</i>	25	11.73±0.56	12	57/70	<0.001	
<i>xuEx2291[ASJ::syntaxin(T254I)]</i>	25	17.79±0.42	18	55/70	<0.001	
<i>daf-2(e1368); xuEx2538; xuEx2291</i>	25	17.79±0.42	18	55/70	<0.001	

Note: two sets of lifespan data are listed for each experiment. The first set is graphed in the figures. The second set (replicates) is shown here as “Exp. 2”. The Log-rank (Mantel-Cox) test was used for statistical analysis.