

Cell, Volume 166

Supplemental Information

Neuroendocrine Coordination of Mitochondrial

Stress Signaling and Proteostasis

Kristen M. Berendzen, Jenni Durieux, Li-Wa Shao, Ye Tian, Hyun-eui Kim, Suzanne Wolff, Ying Liu, and Andrew Dillin

Table S1. Statistics for Lifespans

Strain	Median (days)	75 th Percentile (days)	Total # Animals Died/Total	P-value
Figure 3 Lifespan				
Control <i>hsp-6p::GFP</i>	19	21	120/139	
Q40; <i>hsp-6p::GFP</i>	19	21	120/135	<0.4823
<i>atfs-1(gk3094)</i> ; <i>hsp-6p::GFP</i>	17	20	94/130	<0.4973
Q40; <i>hsp-6p::GFP</i> ; <i>atfs-1(gk3094)</i>	15	18	112/140	<0.0001*
Lifespan Trial #2				
Control <i>hsp-6p::GFP</i>	13	17	84/125	
Q40; <i>hsp-6p::GFP</i>	15	18	87/125	<0.1650
<i>atfs-1(gk3094)</i>	15	18	88/125	<0.1145
Q40; <i>hsp-6p::GFP</i> ; <i>atfs-1(gk3094)</i>	10	11	71/125	<0.0001*
Control N2	15	17	103/125	
Q40	15	16	70/125	<0.7834
Lifespan Trial #3				
Control <i>hsp-6p::GFP</i>	14	17	87/114	
Q40; <i>hsp-6p::GFP</i>	20	22	70/115	<0.0001*
<i>atfs-1(gk3094)</i>	13	14	42/126	<0.1463
Q40; <i>hsp-6p::GFP</i> ; <i>atfs-1(gk3094)</i>	14	17	35/117	<0.7896
Control N2	19	21	83/112	
Q40	17	19	50/119	<0.2164
Lifespan Trial #4				
Control N2	15	16	70/125	
Q40	15	17	103/125	<0.0755
<i>atfs-1(gk3094)</i>	15	18	80/125	<0.1507

Table S2. Primer Sequences

Sequence-Based Reagents		
<i>spg-7</i> target sequence: ACCGAATTTCTCAGCTGCTT	This paper	N/A
<i>cco-1</i> target sequence: ATCCACTTGAGCACGCTAC	This paper	N/A
<i>spg-7</i> indel Forward primer: TGTTTGCGCAGTGCATGATT	This paper	N/A
<i>spg-7</i> indel Reverse primer: AAAATACGGCCCCGGAAACC	This paper	N/A
<i>enol-1</i> F :5' GCAGTTCCATCTGGAGCTTCTACTG 3', R :5' GTTGATGTTCCGAGACGGCCTTG 3'	(Nargund et al., 2015)	N/A
<i>ldh-1</i> F :5'; GATAAGTTGAAGGGAGAGATGATG 3'; R :5'; GACGAGCACCTGCTGTCCTACTAC 3'	(Nargund et al., 2015)	N/A
<i>aco-2</i> F: 5' -GAGCCACTTGGCTGGACCTG -3'; R: 5'GTACGACTTCGGCTCGAATTTACTG 3'	(Nargund et al., 2015)	N/A
<i>cts-1</i> F: 5' -GCTATTCGCAGACTTATCACCAAG -3'; R: 5'; TGTGGGCTGGGATCTTCTTG 3';	(Nargund et al., 2015)	N/A
<i>nuo-4</i> F: 5' -CAAGGAGTTGTGCTCGAACG- 3'; R: 5'; GTAGTTGAGGAAGAGCATTTTTACG- 3'	(Nargund et al., 2015)	N/A
<i>sdha-1</i> F: 5'-TTACCAGCGTGCTTTCGGAG- 3'; R: 5' AGGGTGTGGAGAAGAGAATGACC- 3'	(Nargund et al., 2015)	N/A
<i>ucr-2.1</i> F: 5' -CGCGCCCATCTGGAAGT- 3'; R: 5'- GAACTCCAGCAGATTTGGCTG- 3'	(Nargund et al., 2015)	N/A
<i>cyc-2.1</i> F: 5'-CGGAGTTATCGGACGTACATCAG- 3'; R: 5'-GTCTCGCGGGTCCAGACG- 3'	(Nargund et al., 2015)	N/A
<i>cco-1</i> F: 5'-GCTGGAGATGATCGTTACGAG- 3'; R: 5'-GCATCCAATGATTCTGAAGTCG- 3'	(Nargund et al., 2015)	N/A
<i>atp-3</i> F: 5'-GTCCTCGACCCAACTCTCAAG- 3'; R: 5'-GTCCAAGGAAGTTTCCAGTCTC- 3'	(Nargund et al., 2015)	N/A
<i>nuaf-1</i> F: 5'-GAGACATAACGAGGCTCGTGTTG- 3'; R: 5'-GAAGCCTTCTTTCCAATCACTATCG- 3'	(Nargund et al., 2015)	N/A
<i>lpd-8</i> F: 5'-GTCAACAGCTTCTCCCAGACG- 3'; F: 5'-GCTTCACTCCGTCGACTCG- 3'	(Nargund et al., 2015)	N/A
Y17G9B.5 F: 5'- GTGCAGTGAAGGTTCTAGATGAAATG- 3'; F: 5'; CTTTGGCATCCAATAGAGCATAACG-3'	(Nargund et al., 2015)	N/A
ND-1 F: 5' -AGCGTCATTT ATTGGGAAGAAGAC-3'; R: 5' -AAGCTTGTGCTAATCCCATAAATGT- 3'	(Nargund et al., 2015)	N/A
<i>act-3</i> F: 5' -TGCGACATTGATATCCGTAAGG- 3'; R: 5' -GGTGGTTCTCCGAAAGAA- 3'	(Nargund et al., 2015)	N/A