

Table S1. Lifespan analyses. Related to Figure 4.

Figure 4	Strains	Median lifespan (Days)	Total Animals	Censored Animals	P-value
with FUDR	wild type; N2	19	118	23	
	<i>rgef-1p::egl-20</i> line 1	24	120	13	*** < 0.0001
	<i>rgef-1p::egl-20</i> line 2	24	125	27	*** < 0.0001
	<i>gly-19p::egl-20</i> line 1	24	80	6	*** < 0.0001
	<i>gly-19p::egl-20</i> line 2	21	142	35	** < 0.0015
without FUDR	wild type; N2	13	180	96	
	<i>rgef-1p::egl-20</i> line 1	17	180	152	*** < 0.0001
	<i>rgef-1p::egl-20</i> line 2	15	180	146	0.1497(ns)
	<i>gly-19p::egl-20</i> line 1	17	180	133	*** < 0.0001
	<i>gly-19p::egl-20</i> line 2	17	180	99	*** < 0.0001

Table S2. Primer sequences used in this study. Related to STAR Methods section.

Primer name	Sequence(5'-3')	Source
Genotyping primers		
vps-35 genotyping primer		
ok1880-F	GAATGCAGCATCAGGGACC	This Study
ok1880-R	AACTGCGAGTGAAACCAGC	This Study
vps-26 genotyping primer		
tm1523-F	GCGTGAACGACCAAATCGAG	This Study
tm1523-R	CATGGACCTTGGGATGAAGC	This Study
vps-29 genotyping primer		
tm1320-F	AGGTGACTCTTACCGCAGGATC	This Study
tm1320-R	TGGTGCTCCTAATCGGCGAC	This Study
mig-14 genotyping primer		
ga62-F	TGAATGGATCTCCTTGACCTAC	This Study
ga62-R	ATTGACAGCTTGCCGAGTTTGG	This Study
dpy-23 genotyping primer		
e840-F	GCTCCTGTCCCAGTGGTAAG	This Study
e840-R	CATTCTCGCCTGCCTTGATC	This Study
glr-1 genotyping primer		

n2461-F	AGGCAAGAATGCAGCTACC		This Study
n2461-R	TGCTAACTTGGCTGCGTTCC		This Study
ced-1 genotyping primer			
e1735-F	GTTCCGAGCACACATCAGAG		This Study
e1735-R	GGCCAATGTCAATGCGAATC		This Study
drp-1 genotyping primer			
tm1108-F	TTCCCGGCATCACAAAGATC		This Study
tm1108-R	TCCTGTGCGGTTTCTAATCG		This Study
egl-20 genotyping primer			
n585-F	GCAATTCATAGGTAGACTGGGTG		This Study
n585-R	CCATCTGCCACATACAGTACG		This Study
cwn-1 genotyping primer			
ok546-F	GCATTCCATCGGCAGACAG		This Study
ok546-R	CATGGTTAGCACTCGGGCTTG		This Study
cwn-2 genotyping primer			
ok895-F	TGAAGCCTGTATGCGAATTACC		This Study
ok895-R	TTTGAGGAACGCAGGAAATG		This Study
lin-44 genotyping primer			
n1792-F	TTTCTAGGGTTGCCATCAG		This Study
n1792-R	AATCGTCAATCCATCCTTGTGC		This Study
mig-1 genotyping primer			
e1787-F	CAGGATGAGCATGATCACGC		This Study
e1787-R	TCATCTAGTTTCCGGTAGATCAC		This Study
tph-1 genotyping primer			
mg280-F	CATTTATTCTCCCACGGAAACC		This Study
mg280-R	GATGGCGAACGTATTGAGTG		This Study
lin-17 genotyping primer			
sy277-F	ATCAGCCAAGTAGAGAGCAC		This Study
sy277-R	CTATGCAAATCACCCGATTCAG		This Study
sma-6 genotyping primer			
wk7-F	GACTTAGCGTTGAGCATTCC		This Study
wk7-R	AAGCTCCACTTCCTCTTCC		This Study
ser-7 genotyping primer			
tm1325-F	ATTTGCTGGCTCCCATTCTTC		This Study
tm1325-R	GTGTATGGTGCGTTCTGCTG		This Study
ser-1 genotyping primer			
ok345-F	GTCGCCGTAGCTCTCTTCAG		This Study
ok345-R	TCAGGTCCCTTTCAACCGAG		This Study
ser-4 genotyping primer			
ok512-F	GGAGCCTAAACATGATGGGTG		This Study
ok512-R	GGTCCTAGTGTGCCGAATTG		This Study
mod-1 genotyping primer			
ok103-F	CCACCCTCTAAAGTCCTTCC		This Study

ok103-R	CGAGTCATGCCACAGTTGAG		This Study
	qPCR primer		
act-1-qF	CCAGGAATTGCTGATCGTATGCAGA A		Chun et al., 2015
act-1-qR	TGGAGAGGGAAGCGAGGATAGA		Chun et al., 2015
egl-20-qF	GGGAACGTCTGGTCGTGAATG		This Study
egl-20-qR	CATTTCACTTCACAACACCAAACG		This Study
mab-5-qF	AACGCACTCGTCAGACAT		This Study
mab-5-qR	TTCATTGCTTCCACCTTC		This Study
lin-39-qF	AATGACAGCGTCTGCTGCAC		This Study
lin-39-qR	CTCCTTCCAGGTGCTTCCAG		This Study
cki-1-qF	GCCAGGAAGAAAGCCAGAAATG		This Study
cki-1-qR	AGCATGTGGTTCTGACAGTGAG		This Study
bus-8-qF	TGTGATAGTGGAGGCCCAGC		This Study
bus-8-qR	ATCCCTCATCTGTGTCCAGTTC		This Study
mlt-11-qF	TTCAGCCAGTCGTTAAGGGATC		This Study
mlt-11-qR	TGGCGACCTTACCGTTCTTG		This Study
col-38-qF	CCCTTGTCGCCATGCATTCC		This Study
col-38-qR	ACGATTCCATGCATCATCAGACATC		This Study
col-71-qF	TACGATGTGCATCCGAGCAAGC		This Study
col-71-qR	CGTTCCTTCGGAGTCAGAGC		This Study
hsp-6-qF	CAAACCTCCTGTGTCAGTATCATGGA AGG		Tian et al., 2016
hsp-6-qR	GCTGGCTTTGACAATCTTGTATGGA ACG		Tian et al., 2016