Table S2. Plasmids

A Plasmids used for data presented in main text

Plasmid	Description	Reference/Source/Construction
pGC464	*ins-33* rescue and overexpression	This work: ~8kb genomic region of *ins-33* was PCR amplified using the following primers: AAGGAGAACAACTGTATCGAGATTTGAGGG and CATCGTCTGGAACAATGAAGAAACGAATGGGCGG and TA cloned into pCR-XL-TOPO (Invitrogen)
pGC467	*ins-3* rescue and overexpression	This work: ~11.5kb genomic region of *ins-3* was PCR amplified using the following primers: ATGAAGCGGAGAGAAGAAGTGCGGAGAGAAGG and GTTATGGACATATCGTACTAAGTCTGCTGCCC and TA- cloned into pCR-XL-TOPO (Invitrogen)
sjj_C46A5.9	*hcf-1*	(Kamath et al., 2003) [a]
sjj_T07A9.6	*daf-18*	(Kamath et al., 2003) [a]
sjj_R13H8.2 [b]	*daf-16*	(Kamath et al., 2003) [a]
sjj_R13H8.1 [b]	*daf-16*	(Kamath et al., 2003) [a]
mv_CAA10315	*daf-18*	(Rual et al., 2004; C.elegans ORF-RNAi library (Geneservice Ltd.))[a]
	RNAi-targeting: *ins-1, ins-2, ins-3*	Kindly provided by Monica Driscoll [a]
pGC488	*daf-2*	This work: created by ligating the *Kpn*I/*Xba*I fragment from pKDK33 (Wolkow et al., 2000) to similarly-digested L4440
pGC461	Distal tip cell expression of DAF-16	This work: *daf-16*::GFP fusion (gift of T. Johnson) was fused to the *lag-2* promoter in pJK590 (Blelloch et al., 1999; Mathies et al., 2003).
pGC492	Germline expression of DAF-16	This work: *daf-16*::GFP fusion (gift of T. Johnson) was fused to nos-2 3'UTR. The *rpl-11.1* promoter (5'-cgcgttcaatccccggttcggccctttttt…..tcacagttttcaaattttatgtatttatgc-3') and then cloned along with the *C. briggsae unc-119(+)* gene into pPD117.01 (kind gift of Barth Grant).

B Plasmids used for data presented in supplementary material

Plasmid	Description	Reference/Source/Construction
pGC487	*ins-3* expression	This work: A 5565 bp 5' fragment of *ins-3* was PCR amplified from pGC467 using primers: CAAGCTAGCTAAGTAAGTTGTATTTGTTACAAACG and CAAGGGCCCGTGTGAAGTCGACTTTGCAGATCAG, digested with *Nhe*I and *Apa*I, and ligated to similarly digested pGC305 (Voutev and Hubbard, 2008), to create pGC485. Next, a 5749 bp fragment covering the first intron to the 3' downstream region, was PCR amplified from pGC467 using primers: AACCTGCAGGGGTTGTCGACATGAAGCGGAGAG and CAACCCGGGTATTCAGAACAGGAATTGATAAATGTGTC, digested with *Sbf*I and *Xma*I, and ligated to similarly digested pGC485, to create pGC487
pGC486	*ins-33* expression	This work: A 1287 bp 5' fragment of *ins-33* was PCR amplified from pGC464 using the following primers: CAAGGATCCAAGGAGAACAACTGTATCGAG and CAAGAGCTCTTTTGTTCAAAAAATCAGCAC, digested with *Bam*HI and *Sac*I, and ligated to similarly digested pGC305 (Voutev and Hubbard, 2008), to create pGC482. Next, a 5800 bp fragment covering the first intron to the 3' downstream region, was PCR amplified from pGC464 using the following primers: CAAGCTAGCTAAGTAAGCGATGAAAATCGATAGAACAC and CAAGGGCCCCATCGTCTGGAACAATGAAGAAACG, digested with *Nhe*I and *Apa*I, and ligated to similarly digested pGC482, to create pGC486
	RNAi-targeting: *ins-4, ins-5 ins-6, ins-8, ins-9, ins-10, ins-11 ins-12, ins-13, ins-14, ins-15, ins-16, ins-17, ins-18, ins-19, ins-20, ins-21, ins-22, ins-23, ins-26, ins-27, ins-28, ins-29, ins-30, ins-32, ins-33, ins-34, ins-35, ins-36, ins-37*	Kindly provided by Monica Driscoll [a]
sjj_F21E9.4	*ins-39*	(Kamath et al., 2003) [a]
pGC314	*ins-7*	This work [c]: ATATTCTAGAATGCCACCAATAATTTTGG and ATATCTCGAGTTAAGGACAGCACTGTTTTC
pGC315	*ins-24*	This work [c]: ATATTCTAGAATGAGATCTCCCACCTTG and ATATCTCGAGTTAGAAAACGAAGCCAGATG
pGC316	*ins-31*	This work [c]: ATATTCTAGAATGAAGATGCCCTTGATC and ATATCTCGAGTCAGTAAAAGCCTGGACG
pGC317	*ins-38*	This work [c]: ATATTCTAGAATGAATCTTTTTCTCCTCG and ATATCTCGAGCTATAGCTTGCTGGGGC
pGC318	*daf-28*	This work [c]: ATATTCTAGAATGAACTGCAAGCTCATCG and ATATCTCGAGGTGGTTCACAGGCGTCTC

[a] Verified by DNA sequencing.
[b] These two reagents gave similar results.
[c] In each case, plasmids were made by PCR amplification from a cDNA library (Invitrogen) using indicated primers, digested with *Xba*I/*Xho*I, and ligated into similarly-digested L4440.