

Table S3. Number of germ nuclei in the proliferative zone

Strain	Genotype	RNAi reagent	RNAi target	Number of nuclei <sup>a</sup>	SEM <sup>b</sup>	n <sup>b</sup>
N2				209.0	±3.6	33
N2		L4440		195.6	±8.4	61
N2		<i>ins-1</i> <sup>c</sup>	<i>ins-1</i>	187.6	±6.5	19
N2		<i>ins-3</i> <sup>c</sup>	<i>ins-3</i>	135.9	±6.6	39
N2		<i>ins-33</i> <sup>c</sup>	<i>ins-33</i>	136.9	±6.0	45
N2		sjj_C46A5.9 <sup>d</sup>	<i>hcf-1</i>	168.9	±3.8	24
N2		pGC488 <sup>e</sup>	<i>daf-2</i>	175.0	±4.4	21
N2	(male)			159.7	±6.0	19
N2	(male)	L4440		162.1	±4.4	19
N2	(male)	<i>ins-3</i> <sup>c</sup>	<i>ins-3</i>	130.0	±9.5	8
N2	(male)	<i>ins-33</i> <sup>c</sup>	<i>ins-33</i>	134.6	±9.1	9
PD8488	<i>rrf-1(pk1417)</i>	L4440		193.9	±3.7	24
PD8488	<i>rrf-1(pk1417)</i>	<i>ins-1</i> <sup>c</sup>	<i>ins-1</i>	187.7	±6.1	17
PD8488	<i>rrf-1(pk1417)</i>	<i>ins-3</i> <sup>c</sup>	<i>ins-3</i>	188.7	±4.4	12
PD8488	<i>rrf-1(pk1417)</i>	<i>ins-33</i> <sup>c</sup>	<i>ins-33</i>	178.8	±7.7	19
PD8488	<i>rrf-1(pk1417)</i>	sjj_C46A5.9 <sup>d</sup>	<i>hcf-1</i>	166.9	±3.9	21
PD8488	<i>rrf-1(pk1417)</i>	pGC488 <sup>e</sup>	<i>daf-2</i>	161.6	±7.4	25
CB1370	<i>daf-2(e1370)</i>			128.4	±3.6	29
CB1370	<i>daf-2(e1370)</i> (male)			110.5	±6.6	12
CB1370	<i>daf-2(e1370)</i>	L4440		140.0	±3.2	34
CB1370	<i>daf-2(e1370)</i>	<i>ins-3</i> <sup>c</sup>	<i>ins-3</i>	142.3	±2.3	16
CB1370	<i>daf-2(e1370)</i>	<i>ins-33</i> <sup>c</sup>	<i>ins-33</i>	138.3	±4.5	15
CB1370	<i>daf-2(e1370)</i>	sjj_T07A9.6 <sup>d</sup>	<i>daf-18</i>	176.5	±5.6	10
CB1370	<i>daf-2(e1370)</i>	mv_CAA10315 <sup>f</sup>	<i>daf-18</i>	184.3	±5.5	15
CB1370	<i>daf-2(e1370)</i>	sjj_R13H8.2 <sup>d</sup>	<i>daf-16</i>	175.5	±4.6	11
CB1370	<i>daf-2(e1370)</i>	sjj_R13H8.1 <sup>d</sup>	<i>daf-16</i>	182.2	±2.8	44
CB1370	<i>daf-2(e1370)</i>	sjj_C46A5.9 <sup>d</sup>	<i>hcf-1</i>	130.5	±5.6	14
GC1019	<i>rrf-1(pk1417);daf-2(e1370)</i>	L4440		144.9	±4.2	26
GC1019	<i>rrf-1(pk1417);daf-2(e1370)</i>	sjj_T07A9.6 <sup>d</sup>	<i>daf-18</i>	177.9	±4.4	11
GC1019	<i>rrf-1(pk1417);daf-2(e1370)</i>	mv_CAA10315 <sup>f</sup>	<i>daf-18</i>	182.6	±3.7	16
GC1019	<i>rrf-1(pk1417);daf-2(e1370)</i>	sjj_R13H8.1 <sup>d</sup>	<i>daf-16</i>	188.8	±4.0	36
DR1309	<i>daf-16(mu86);daf-2(e1370)</i>			194.4	±3.3	20
CF1295sib <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370)</i>			199.1	±5.1	14
CF1295 <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370); muEx108[DAF-16::GFP]</i>			140.5	±5.8	14
GC1112sib <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370)</i>			199.8	±2.2	10
GC1112 <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370); naEx148[DAF-16::GFP]</i>			153.7	±6.8	9
CF1515sib <sup>g,h</sup>	<i>daf-16(mu86);daf-2(e1370)</i>			193.6	±6.5	11
CF1515 <sup>g,h</sup>	<i>daf-16(mu86);daf-2(e1370); muEx212[Pmyo-3::daf-16::GFP]</i>			174.3	±6.3	28
CF1514sib <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370)</i>			192.3	±8.1	10
CF1514 <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370); muEx211[Pge::daf-16::GFP]</i>			188.9	±5.6	16
CF1442sib <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370)</i>			194.1	±5.4	12
CF1442 <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370); muEx169[Punc119::daf-16::GFP]</i>			186.0	±7.1	16
GC1109sib <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370)</i>			204.0	±4.6	10
GC1109 <sup>g</sup>	<i>daf-16(mu86);daf-2(e1370); naEx202 [Plag-2::daf-16::GFP]</i>			183.3	±3.5	12
GC1144	<i>daf-16(mu86);daf-2(e1370); naEx202 ; nals43[Prpl-11.1::daf- 16::GFP]</i>			161.8	±5.5	29
CB1375	<i>daf-18(e1375)</i>	L4440		173.2	±6.5	12
CB1375	<i>daf-18(e1375)</i>	<i>ins-1</i> <sup>c</sup>	<i>ins-1</i>	184.5	±10.4	13
CB1375	<i>daf-18(e1375)</i>	<i>ins-3</i> <sup>c</sup>	<i>ins-3</i>	179.8	±8.9	13
CB1375	<i>daf-18(e1375)</i>	<i>ins-33</i> <sup>c</sup>	<i>ins-33</i>	176.9	±7.5	13
RB712	<i>daf-18(ok480)</i>	L4440		185.3	±7.3	20
RB712	<i>daf-18(ok480)</i>	<i>ins-1</i> <sup>c</sup>	<i>ins-1</i>	172.1	±7.1	14
RB712	<i>daf-18(ok480)</i>	<i>ins-3</i> <sup>c</sup>	<i>ins-3</i>	179.9	±8.8	16
RB712	<i>daf-18(ok480)</i>	<i>ins-33</i> <sup>c</sup>	<i>ins-33</i>	173.4	±5.2	17
CF1038	<i>daf-16(mu86)</i>	L4440		181.3	±6.2	23
CF1038	<i>daf-16(mu86)</i>	<i>ins-1</i> <sup>c</sup>	<i>ins-1</i>	183.2	±5.8	14
CF1038	<i>daf-16(mu86)</i>	<i>ins-3</i> <sup>c</sup>	<i>ins-3</i>	168.7	±3.2	20
CF1038	<i>daf-16(mu86)</i>	<i>ins-33</i> <sup>c</sup>	<i>ins-33</i>	172.6	±4.6	14
CF1038	<i>daf-16(mu86)</i>	sjj_C46A5.9 <sup>d</sup>	<i>hcf-1</i>	191.9	±6.4	16
CF1038	<i>daf-16(mu86)</i>	pGC488 <sup>e</sup>	<i>daf-2</i>	194.5	±3.3	15
RB777	<i>hcf-1(ok559)</i>			128.4	±9.1	14
GC1071	<i>ins-3(ok2488)</i>			162.4	±6.4	18

GC1071	<i>ins-3(ok2488)</i>	L4440		168.6	±6.6	15
GC1071	<i>ins-3(ok2488)</i>	<i>ins-3<sup>c</sup></i>	<i>ins-3</i>	186.5	±2.8	13
GC1071	<i>ins-3(ok2488)</i>	<i>ins-33<sup>c</sup></i>	<i>ins-33</i>	183.8	±5.1	13
GC1071	<i>ins-3(ok2488)</i>	mv_CAA10315 <sup>f</sup>	<i>daf-18</i>	218.2	±4.6	11
GC1071	<i>ins-3(ok2488)</i>	sjj_R13H8.1 <sup>d</sup>	<i>daf-16</i>	216.3	±4.0	15
GC1079sib <sup>g</sup>	<i>ins-3(ok2488)</i> <i>ins-3(ok2488);</i> <i>naEx187[ins3(+)]</i>			170.8	±6.5	6
GC1079 <sup>g</sup>				198.6	±4.3	10
GC1088sib <sup>g</sup>				204.3	±5.7	11
GC1088 <sup>g</sup>	<i>naEx196[ins-3(++)]</i>			167.5	±5.2	13
GC1039	<i>ins-33(tm2988)</i>			170.8	±4.9	20
GC1039	<i>ins-33(tm2988)</i>	L4440		166.4	±7.6	15
GC1039	<i>ins-33(tm2988)</i>	<i>ins-3<sup>c</sup></i>	<i>ins-3</i>	177.6	±4.5	11
GC1039	<i>ins-33(tm2988)</i>	<i>ins-33<sup>c</sup></i>	<i>ins-33</i>	170.2	±5.4	14
GC1039	<i>ins-33(tm2988)</i>	mv_CAA10315 <sup>f</sup>	<i>daf-18</i>	204.7	±5.1	16
GC1039	<i>ins-33(tm2988)</i>	sjj_R13H8.1 <sup>d</sup>	<i>daf-16</i>	214.8	±6.5	16
GC1078sib <sup>g</sup>	<i>ins-33(tm2988)</i> <i>ins-33(tm2988);</i> <i>naEx186[ins-33(+)]</i>			178.6	±4.9	9
GC1078 <sup>g</sup>				202.3	±8.0	8
GC1089sib <sup>g</sup>	<i>ins-33(tm2988)</i> <i>ins-33(tm2988);</i> <i>naEx197[ins-33(+)]</i>			168.9	±4.5	11
GC1089 <sup>g</sup>				200.6	±6.7	12
GC1087sib <sup>g</sup>	<i>ins-33(tm2988)</i> <i>ins-33(tm2988);</i> <i>naEx195[ins-33(+)]</i>			175.2	±4.8	14
GC1087 <sup>g</sup>				198.2	±6.2	12
GC1076sib <sup>g</sup>				214.1	±5.6	10
GC1076 <sup>g</sup>	<i>naEx184[ins-33(++)]</i>			204.3	±6.6	12
GC1077sib <sup>g</sup>				219.6	±7.4	9
GC1077 <sup>g</sup>	<i>naEx185[ins-33(++)]</i>			217.3	±6.3	9
GC1142	<i>ins-33(tm2988);ins-3(ok2488)</i>			183.8	±7.1	16

<sup>a</sup> Worms were grown on OP50 or the indicated RNAi reagent at 20°C from L1 (immediately after hatch-off) until early adulthood, when they were ethanol fixed and DAPI stained. The number of nuclei in the proliferative zone was determined. See Materials and methods (main text) for details.

<sup>b</sup> SEM, standard error of the mean; n, number of gonad arms examined.

<sup>c</sup> RNAi reagent courtesy of Monica Driscoll; see Table S2.

<sup>d</sup> Ahringer library (Kamath et al., 2003).

<sup>e</sup> Vidal library (Rual et al., 2004).

<sup>f</sup> RNAi reagent made for this study; see Table S2.

<sup>g</sup> Sibling progeny from strains bearing transgenes were separated prior to scoring. As indicated under 'Genotype', top line of each pair is data from progeny without the transgene (sibling controls, 'sib') and bottom line of each pair is data from progeny that retained the transgene.

<sup>h</sup> DAF-16::GFP expression in muscle (but not the other tissues) uncovers the 24-hour delay in larval development characteristic of *daf-2(e1370)*, suggesting that *daf-16* activity in the muscle or proximal sheath is important for overall developmental timing.