

Supplemental Table 2. Percent abnormal phenotype and numbers of animals scored per replicate in *let-7* and *alg-1* mutant assays.

Gene Assay RNAi	<i>let-7</i>					<i>alg-1</i>
	N2 % Bursting (n)	<i>let-7(n2853)</i> % Bursting (n)	<i>lin-41::gfp</i> Relative Fluorescence GFP/mCherry (n)	<i>lin-41::gfp;let-7(n2853)</i> Relative Fluorescence GFP/mCherry (n)	<i>lin-41::gfp</i> ΔLCS Relative Fluorescence GFP/mCherry (n)	<i>alg-1(ma202)</i> % wildtype <i>col-19::gfp</i> (n)
Empty vector	0(60), 0(27)	6.7(60), 8.3(60), 13(69), 18.3(60), 11(55), 25(60)	1.73 ± 0.44 (30)	3.88 ± 0.62 (25)	4.42 ± 0.77 (28)	0(14), 0(19)
<i>dcr-1</i>	0(60), 0(30)	27(59), 36.7(60), 37.3(51), 32.4(111)	1.94 ± 0.48 (30)	4.84 ± 0.98 (30)	5.28 ± 1.2 (21)	0(14), 0(12)
<i>fulb-3</i>	0(60), 0(38)	27.6(47), 41.7(48), 25.9(166)	n.d. ^a	n.d.	n.d.	0(17), 0(14)
<i>fulb-4</i>	0(60), 0(30)	20.8(48), 4(50), 25.9(27), 7.1(84)	n.d.	n.d.	n.d.	0(14), 0(18)
<i>fulb-1</i>	0(60), 0(32)	32.7(), 25(0), 20(), 19.1(241)	n.d.	n.d.	n.d.	0(9), 5.3(19)
<i>fulb-2</i>	0(60), 0(48)	14(50), 14(50), 12(50), 8.7(104)	n.d.	n.d.	n.d.	0(8), 4.5(22)
<i>imph-1</i>	0(60), 0(47)	12(50), 8.3(4), 9.5(42), 8.2(183)	n.d.	n.d.	n.d.	0(20), 7.7(13), 14.3(7)
<i>pes-4</i>	0(60), 0(36)	8.6(46), 10.4(58), 12.7(245)	n.d.	n.d.	n.d.	0(8), 0(12)
<i>T10E9.14</i>	0(60), 0(49)	21.7(60), 10(50)	n.d.	n.d.	n.d.	0(23), 0(12)
<i>nova-1</i>	0(60), 0(30)	14.3(49), 14.2(49), 4.3(47), 13.1(160)	n.d.	n.d.	n.d.	0(16), 5.9(17)
<i>mxt-1</i>	0(60), 0(47)	40.8(49), 34(50), 25.5(43), 13.3(181)	2.1 ± 0.44 (29)	4.98 ± 1.1 (30)	5.01 ± 0.87 (27)	0(12), 0(18)
<i>ascc-1</i>	0(60), 0(45)	12.2(49), 23.3(60), 10.2(167)	n.d.	n.d.	n.d.	8.3(12), 0(6)
<i>akap-1</i>	0(60), 0(30)	16.7(48), 10(50), 24(50), 2.1(97)	n.d.	n.d.	n.d.	14.3(21), 0(21)
<i>tofu-7</i>	0(60), 0(31)	25(48), 14(50), 13.4(112)	n.d.	n.d.	n.d.	0(18), 0(16)
<i>C06G4.1</i>	0(60), 0(33)	6.0(50), 15.8(57)	n.d.	n.d.	n.d.	0(8), 4.5(22)
<i>E02D9.1</i>	0(60), 0(21)	11.6(60), 8.8(80), 1.2(81)	n.d.	n.d.	n.d.	71.4(7), 45.5(18)
<i>sfa-1</i>	0(60), 0(33)	13.3(60), 16(50), 54(50), 18(150)	1.92 ± 0.52 (30)	4.69 ± 0.93 (30)	5.35 ± 0.96 (30)	11.1(19), 0(12), 10.5(18)
<i>asd-2</i>	0(60), 0(35)	21.7(60), 58.3(48), 38(50), 12.4(162)	1.83 ± 0.44 (30)	14.64 ± 0.81 (27)	5.88 ± 1.03 (29)	0(19), 0(23)
<i>B0280.17</i>	0(60), 0(32)	25(48), 38(50)	2.05 ± 0.55 (30)	5.08 ± 1.35 (30)	4.72 ± 1.47 (30)	0(6), 0(24)
<i>F54D1.1</i>	0(60), 0(58)	10.4(48), 24(50), 19(58), 9.5(168)	n.d.	n.d.	n.d.	0(3), 0(26)
<i>K07H8.9</i>	1.8(54), 0(60)	4.1(49), 14.6(48), 14(50), 6.1(98)	n.d.	n.d.	n.d.	0(16), 5.9(17)
<i>Y69A2AR.32</i>	0(43), 1.6(63)	15.5(45), 10(50), 10.8(111)	n.d.	n.d.	n.d.	7.1(14), 4.8(21)
<i>bcc-1</i>	0(60), 0(25)	37.7(49), 38.7(49), 16.5(176)	n.d.	n.d.	n.d.	0(14), 0(12)
<i>C41G7.3</i>	0(60), 0(38)	8.2(49), 14(50), 26(50), 5.3(113)	n.d.	n.d.	n.d.	0(15), 4.3(23), 0(20)
<i>pno-1</i>	0(60), 0(37)	16(50), 12(50), 22(50), 5.9(136)	n.d.	n.d.	n.d.	0(8), 0(17)
<i>mask-1</i>	0(60), 0(36)	16.3(49), 12(50), 10.5(153)	n.d.	n.d.	n.d.	0(5), 0(20)

^a n.d. - not determined