

Table S5 Brood size analysis of indicated genotypes

Strain	Genotype	Broodsize	P0 animals scored	Embryonic lethality (%)	Males (%)	Molting defects (%)
N2	WT	213±45 (n=4465)	19	0.16	0	0 (n=4458)
GE24	<i>pha-1(e2123)</i> III	128±34 (n=1520)	12	72.7	0	n/a
KRY42 ^b	<i>nhr-25(kry1[nhr-25::2xFLAG])</i> X	191±42 (n=3627)	19	1.25	0	0 (n=3627)
KRY71	<i>pha-1(kry43[Y169C*e2123])</i> III	210.7±30 (n=2528)	12	1.19	0	0 (n=2528)
KRY49	<i>nhr-23(kry10[nhr-23::2xFLAG])</i> I; <i>pha-1(kry11[Y169C*e2123])</i> III	167.3±34 (n=1840)	11	1.68	0	0 (n=1840)
KRY64	<i>pha-1(kry34[Y169C*e2123])</i> III; <i>nhr-25(kry35[nhr-25::2xFLAG])</i> X	146.8±35 (n=1762)	12	2.27	0.11	0 (n=1762)
KRY72	<i>nhr-23(kry44[nhr-23::3xFLAG])</i> I; <i>pha-1(kry45[Y169C*e2123])</i> III	167.1±68 (n=1671)	10	0.78	0	0 (n=1671)
KRY74	<i>pha-1(kry48[Y169C*e2123])</i> III; <i>nhr-25(kry49[nhr-25::3xFLAG])</i> X	180.8±48 (n=1671)	12	2.00	0	0 (n=2170)
KRY75	<i>nhr-23(kry50[nhr-23::3xFLAG])</i> I; <i>pha-1(kry51[Y169C*e2123])</i> III; <i>nhr-25(kry52[nhr-25::3xFLAG])</i> X	112.7±46 (n=1352)	12	3.42	0.15	0 (n=1352)

^aall remaining progeny arrested as larvae.

^bfrom direct screening approach. *lig-4(ok716)* removed by outcrossing; strain was outcrossed 6x.