Table S3. Genes required for viability and developmental progression following L1 exposure to RNAi.

Sequence Name	Gene ID	Phenotype
C08B6.9	*aos-1*	Ste, arrest
F55A12.7	*apm-1*	**fgcs,** Ste
B0336.2	*arf-1.2*	Ste
D2045.1	*atx-2*	Rbs, Rup
F25D7.3	*blmp-1*	Rup
F57B9.5	*byn-1*	**fgcs,** Ste
C06A8.2	*C06A8.2*	delay
C08H9.3	*C08H9.3*	Rbs, delay
C50F2.3	*C50F2.3*	Ste, arrest
R07G3.1	*cdc-42*	Ste, Rup
K04G2.3	*cdc-48.3*	**fgcs,** Ste
Y54E10A.15	*cdt-1*	Ste, Pvl
T25G3.2	*chs-1*	delay
Y77E11A.9	*clec-171*	Ste, delay
F56D1.4	*clr-1*	Ste, Rup, Clr
Y71F9AL.17	*copa-1*	Let
Y76B12C.7	*cpsf-1*	Sm
T20G5.2	*cts-1*	**fgcs,** Ste
C52E4.6	*cyl-1*	Egl
D1054.14	*D1054.14*	Ste, Rup
T19B4.4	*dnj-21*	**fgcs, no oocytes,** arrest
T23B12.7	*dnj-22*	Ste
M110.5	*dyn-1*	Let, arrest, rup
E02H1.1	*E02H1.1*	Ste, delay
D2013.7	*eif-3.F*	delay
F32D8.6	*emo-1*	arrest
F01G4.6	*F01G4.6*	Ste
F02A9.4	*F02A9.4*	Ste, delay
F10B5.3	*F10B5.3*	Ste, Pvl
F11A3.2	*F11A3.2*	**no germ cells,** Ste
F43D9.1	*F43D9.1*	Ste, Pvl, Rup
F44G4.2	*F44G4.2*	**fgcs,** Ste
F46F11.1	*F46F11.1*	arrest
F53B7.3	*F53B7.3*	Ste
F55A12.8	*F55A12.8*	Ste, Pvl
F55F8.3	*F55F8.3*	Rbs, Pvl, delay
F32H2.1	*gei-11*	**fgcs,** Ste
F22B7.13	*gpr-1*	**Large nuclei,** Ste
T11G6.1	*hars-1*	arrest
C53A5.3	*hda-1*	Ste
F54G8.3	*ina-1*	Ste
K04C2.2	*K04C2.2*	**fgcs,** Ste

K12H4.3	*K12H4.3*	Ste
F57B10.1	*let-607*	Rup, delay
M7.1	*let-70*	Ste
C29E4.8	*let-754*	Ste
F36H1.4	*lin-3*	Ste
W06F12.1	*lit-1*	**Differentiating,** Ste, Pvl, Rup
LLC1.3	*dld-1*	Ste, arrest
H37A05.1	*lpin-1*	Let, Pvl, Rup, Clr
Y48C3A.7	*mac-1*	Ste
F09B12.1	*mlt-9*	Let
B0495.4	*nhx-2*	delay
Y77E11A.13	*npp-20*	Ste, arrest
Y106G6H.2	*pab-1*	Ste, Pvl
W10C8.2	*pop-1*	Rbs, Rup, Pvl
Y113G7B.23	*psa-1*	**fgcs,** Ste, Pvl, Rup
R03E1.2	*R03E1.2*	Ste, Pvl, arrest
R08C7.1	*R08C7.1*	Ste
R08D7.1	*R08D7.1*	Ste, Pvl
C39F7.4	*rab-1*	arrest
K01G5.4	*ran-1*	Ste
Y51H4A.3	*rho-1*	Ste, Pvl, Rup
K04G7.10	*rnp-7*	Ste, Pvl, **fgcs**
T22F3.4	*rpl-11.1*	delay
Y45F10D.12	*rpl-18*	**no germ cells,** delay
C09H10.2	*rpl-41*	arrest
Y105E8A.23	*rpom-1*	delay
Y57A10A.19	*rsr-2*	Rup
C27H6.2	*ruvb-1*	Ste, Pvl, Rup
ZC328.4	*san-1*	delay
ZK180.4	*sar-1*	arrest
C01F1.2	*sco-1*	delay
C33H5.15	*sgo-1*	Ste, Pvl
W08E3.1	*snr-2*	arrest
T28D9.10	*snr-3*	Clr, arrest
Y49E10.15	*snr-6*	Ste, arrest
K08E4.1	*spt-5*	**fgcs,** Ste, Pvl
F26E4.1	*sur-6*	Ste
T13H5.5	*T13H5.5*	Ste, delay
T20H4.5	*T20H4.5*	Ste
W04A8.7	*taf-1*	Ste, arrest
W10D9.5	*tomm-22*	arrest
C47E12.5	*uba-1*	arrest
H06I04.4	*ubl-1*	Let, arrest
F56D2.1	*ucr-1*	Ste, delay
C47E8.7	*unc-112*	Paralyzed
W09C5.2	*unc-59*	**fgcs,** Ste

C38C3.5	*unc-60*	Ste
ZC513.4	*vars-1*	Ste
W03F9.1	*W03F9.1*	Ste
Y110A7A.19	*Y110A7A.19*	Ste, Pvl
Y39A1A.14	*Y39A1A.14*	**fgcs,** Ste, Pvl, Rup
Y43H11AL.2	*Y43H11AL.2*	Ste, Pvl
Y47D3B.1	*Y47D3B.1*	Let
Y48A6C.4	*Y48A6C.4*	**no germ cells,** Ste
Y52B11A.10	*Y52B11A.10*	**fgcs,** Ste
ZK1127.5	*ZK1127.5*	**differentiating gcs, fgcs,** Ste, Pvl
ZK430.7	*ZK430.7*	Ste
ZK616.6	*ZK616.6*	Rbs, Ste, Pvl

Phenotypes reported were observed in > 3 animals. fgcs (fewer germ cells), Rbs (Reduced brood size), Ste (Sterile), Egl (Egg-laying defective), Rup (ruptured through the vulva), Mig (DTC migration defective), Muv (Multivulva), Pvl (Protruded vulva). Germ cell phenotypes are bolded. Sterile worms could not be rapidly distinguished from developmentally delayed young adults.