Table S4. Identification of genes required for DTC plexus formation in an L3/L4 RNAi experiment.

Sequence Name	Gene ID	Total Scored	DTC Plexus Defect	Other Phenotypes Observed
T11G6.1	*hars-1*	10	+++	
C09H10.3	*nuo-1*	11	+++	**fgcs**
C47E8.7	*unc-112*	17	+++	
T27C4.4	*lin-40*	19	+++	**fgcs**
C33H5.9	*sec-10*	18	+++	**fgcs**
F23B12.7	*F23B12.7*	19	+++	
C47E12.5	*uba-1*	18	+++	
K01G5.4	*ran-1*	15	+++	
Y71F9AL.17	*copa-1*	9	+++	Ste
K04A8.6	*dre-1*	29	++	**fgcs**
T22F3.4	*rpl-11.1*	17	++	
F52D10.3	*ftt-2*	18	++	
F32D8.6	*emo-1*	15	++	**fgcs**
C29E4.8	*let-754*	16	++	
Y106G6H.2	*pab-1*	29	++	
R08C7.1	*R08C7.1*	25	++	**fgcs,** Clr, sick
F56D1.4	*clr-1*	21	++	**gonad rupture**
M110.5	*dyn-1*	24	++	
K04G7.10	*rnp-7*	20	++	
Y105E8A.23	*rpom-1*	20	++	
C16A3.5	*C16A3.5*	20	++	
W08E3.1	*snr-2*	16	++	**fgcs**
LLC1.3	*dld-1*	19	++	
F26E4.1	*sur-6*	19	++	
ZK180.4	*sar-1*	19	++	
C15F1.4	*ppp-1*	19	++	
W07E6.2	*W07E6.2*	26	++	
Y49E10.6	*his-72*	20	++	
F36H1.4	*lin-3*	27	++	
Y48G1C.7	*Y48G1C.7*	22	+	
C50F2.3	*C50F2.3*	30	+	**fgcs**
C53A5.3	*hda-1*	23	+	
Y48C3A.7	*mac-1*	23	+	
ZK1127.5	*ZK1127.5*	31	+	
Y48A6C.4	*Y48A6C.4*	31	+	
W03F9.1	*W03F9.1*	24	+	
W02B12.9	*W02B12.9*	24	+	

C09H10.2	*rpl-41*	24	+	
F21H12.5	*fbf-2*	24	+	**large nuclei**
Y45F10D.12	*rpl-18*	16	+	
D2013.7	*eif-3.F*	17	+	
F43G6.9	*patr-1*	26	+	
T20H4.5	*T20H4.5*	26	+	
M117.2	*par-5*	18	+	
T05H10.6	*T05H10.6*	18	+	
K04G2.3	*cdc-48.3*	9	+	
M18.5	*ddb-1*	18	+	
ZK616.6	*ZK616.6*	19	+	
C33H5.15	*sgo-1*	30	+	
F20H11.3	*mdh-2*	20	+	
H35B03.2	*H35B03.2*	20	+	
F10G8.3	*npp-17*	20	+	
T13H5.5	*T13H5.5*	21	+	
F09B12.1	*mlt-9*	21	+	
M7.1	*let-70*	22	-	
C06A8.2	*C06A8.2*	23	-	
B0495.4	*nhx-2*	23	-	
F25D7.3	*blmp-1*	24	-	
K08E4.1	*spt-5*	26	-	
F55F8.3	*F55F8.3*	26	-	
W09C5.2	*unc-59*	27	-	
Y41E3.11	*Y41E3.11*	14	-	
F10E9.4	*F10E9.4*	30	-	
F32H2.1	*gei-11*	15	-	
C04C3.3	*C04C3.3*	15	-	
D1054.14	*D1054.14*	31	-	
ZC513.4	*vars-1*	17	-	
Y66H1A.4	*Y66H1A.4*	36	-	Mig
C27H6.2	*ruvb-1*	18	-	
W06F12.1	*lit-1*	19	-	
Y51H4A.3	*rho-1*	19	-	
C01F1.2	*sco-1*	19	-	
F44G4.2	*F44G4.2*	20	-	
F57B10.1	*let-607*	20	-	
C37C3.6	*mig-6*	20	-	
C52E4.6	*cyl-1*	20	-	
F43D9.1	*F43D9.1*	21	-	
F55A12.8	*F55A12.8*	21	-	
H06I04.4	*ubl-1*	21	-	

R06C1.2	*fdps-1*	21	-	
C39E9.14	*dli-1*	22	-	
F29B9.10	*F29B9.10*	22	-	
Y110A7A.19	*Y110A7A.19*	23	-	
ZK430.7	*ZK430.7*	23	-	
Y76B12C.7	*cpsf-1*	23	-	
Y77E11A.13	*npp-20*	23	-	
F57B9.5	*byn-1*	25	-	
Y55F3AM.15	*csn-4*	25	-	
T22H9.1	*T22H9.1*	25	-	
F22B7.13	*gpr-1*	26	-	**large nuclei**
Y48E1B.5	*Y48E1B.5*	26	-	
W10C8.2	*pop-1*	27	-	
C38C3.5	*unc-60*	29	-	
K12H4.3	*K12H4.3*	29	-	
B0336.2	*arf-1.2*	30	-	
Y57A10A.19	*rsr-2*	31	-	
F11A3.2	*F11A3.2*	33	-	
Y113G7B.23	*psa-1*	25	-	
Y39A1A.14	*Y39A1A.14*	22	-	
R03E1.2	*R03E1.2*	20	-	
F10B5.3	*F10B5.3*	22	-	
Y43H11AL.2	*Y43H11AL.2*	19	-	
Y54E10A.15	*cdt-1*	19	-	
R08D7.1	*R08D7.1*	18	-	
F02A9.4	*F02A9.4*	26	-	
E02H1.1	*E02H1.1*	20	-	
Y77E11A.9	*clec-171*	23	-	
F56D2.1	*ucr-1*	19	-	
W04A8.7	*taf-1*	27	-	
Y49E10.15	*snr-6*	18	-	**large nuclei**
C08B6.9	*aos-1*	23	-	
K04C2.2	*K04C2.2*	22	-	
T20G5.2	*cts-1*	11	-	
T23B12.7	*dnj-22*	14	-	
Y52B11A.10	*Y52B11A.10*	34	-	
F55A12.7	*apm-1*	24	-	
F54G8.3	*ina-1*	26	-	
F01G4.6	*F01G4.6*	30	-	
F53B7.3	*F53B7.3*	20	-	
D2045.1	*atx-2*	8	-	
C08H9.3	*C08H9.3*	20	-	

Y48G1A.4	*Y48G1A.4*	10	-
T04A8.11	*T04A8.11*	23	-
M106.1	*mix-1*	26	-
H37A05.1	*lpin-1*	17	-
Y47D3B.1	*Y47D3B.1*	30	-
T25G3.2	*chs-1*	22	-
ZC328.4	*san-1*	24	-
T28D9.10	*snr-3*	20	-
T19B4.4	*dnj-21*	26	-
W10D9.5	*tomm-22*	23	-
F46F11.1	*F46F11.1*	26	-
C39F7.4	*rab-1*	18	-
W01G7.3	*rpb-11*	18	-
Y77E11A.7	*Y77E11A.7*	27	-
F26F4.11	*rpb-8*	30	-
F10C2.6	*dars-2*	19	-
C17H12.14	*vha-8*	10	-
ZC64.3	*ceh-18*	15	-
F22D6.5	*prpf-4*	10	-
Y38E10A.24	*Y38E10A.24*	22	-
R02D3.5	*fnta-1*	19	-
B0491.5	*B0491.5*	25	-
F42G8.10	*F42G8.10*	24	-
C09F9.2	*C09F9.2*	24	-
control	*L4440*	270	-

Penetrance of DTC defect observed was scored as follows: +++, > 30% penetrance defect; ++, > 15% defect; +, > 10% defect; -, 0-9% defect. Phenotypes reported were observed in > 3 animals. Germ cell phenotypes are bolded. Animals were scored as 1.5-2-day-adults following exposure to RNAi from the L3/L4 larval stage. fgcs (fewer germ cells), Mig (DTC migration defective), Ste (Sterile), Clr (Clear). Sick animals were small and sluggish.