

Supplementary Table. The genome-wide RNAi screen resulted in 512 genes that are hypersensitive to tunicamycin. The *C. elegans* gene sequence name and gene name are given. As mentioned in the Materials and Methods section, the effects of RNAi penetrance and expressivity were measured. The values below (Exp and Pen) are the difference between drug treated scores from non-drug treated scores. Additionally, the presence of *N*-glycosylation sites and cellular location were predicted as stated in the Discussion section. Short descriptions, when available, were also provided.

Sequence Name	CGC Name	Exp	Pen	NetNGlyc	Predicted Location	Description
AC8.6		10	20	No		<i>no predicted function</i>
AH10.1		10	30	No	cytoplasm	AMP-dependent synthetase and ligase
B0035.11		25	-5	No	nucleus	yeast LEO1 protein like
B0035.16		0	20	No	cytoplasm	tRNA methyl transferase
B0035.8	his-48	10	20	No	nucleus	H2B histone
B0205.6		25	5	No		aminotransferase
B0280.5	cpg-2	0	20	No	extracellular	protein with six chitin-binding peritrophin-A domains and three mucin-like regions
B0284.1		30	30	No	cytoplasm	<i>no predicted function</i>
B0285.1		0	20	No	nucleus	serine/threonine kinase
B0285.9	ckb-2	5	15	No	cytoplasm	encodes an isoform of choline kinase
B0302.4		0	20	No		<i>no predicted function</i>
B0334.4		20	15	No		protein similar to predicted member of the intramitochondrial sorting protein family
B0361.9		25	25	Yes	extracellular	<i>no predicted function</i>
B0365.3	eat-6	20	30	No	ER	ortholog of the alpha subunit of a sodium/potassium ATPase
B0391.5	fbxa-153	20	30	No	cytoplasm	F-box protein
B0412.1	dac-1	20	20	No	extracellular	yeast NUD1 protein
B0464.1	drs-1	30	35	No	cytoplasm	putative aspartyl(D) tRNA synthetase
B0464.4	bre-3	10	25	No	plasma membrane	Glycosphingolipid beta-1,4-mannosyltransferase
B0464.7	baf-1	10	20	No	nucleus	novel protein that binds double-stranded DNA nonspecifically
B0491.5		0	30	No		<i>no predicted function</i>
B0545.1	tpa-1	20	20	Yes	cytoplasm	serine/threonine protein kinase
C01F1.2		0	20	No	mitochondrion	orthologous to the human gene SCO (CYTOCHROME OXIDASE DEFICIENT YEAST)
C01G10.6		10	20	No		<i>no predicted function</i>
C01G5.5		0	15	Yes	cytoplasm	aldehyde reductase

C01G8.6		35	15	Yes	extracellular	<i>no predicted function</i>
C01H6.9		30	25	No	cytoplasm	homolog of haploid germ cell-specific nuclear protein kinase
C02B10.2		20	20	Yes		orthologous to Yeast Kinetochores-associated protein required chromosome segregation
C04C3.3		0	30	No		pyruvate dehydrogenase
C04G2.2		0	20	No	cytoplasm	serine/threonine protein kinase
C04H5.6	mog-4	20	15	No	nucleus	encodes a DEAH helicase
C05D9.1	snx-1	30	30	No	cytoplasm	membrane coat complex Retromer and related PX domain-containing proteins
C06A1.3		10	20	No	cytoplasm	serine/threonine protein phosphatase
C06A8.4	skr-17	10	15	No	nucleus	homolog of Skp1 in <i>S. cerevisiae</i> , a core component of the SCF (Skp1p, Cullin, F-box)
C06A8.5	spdl-1	20	20	No	cytoplasm	<i>no predicted function</i>
C06C3.1	mel-11	10	25	No	cytoplasm	ortholog of the vertebrate smooth muscle myosin-associated phosphatase regulatory subunit
C06C6.7		10	20	No	ER	<i>no predicted function</i>
C06E1.4	glr-1	10	30	No	plasma membrane	encodes an AMPA (non-NMDA)-type ionotropic glutamate receptor subunit
C06E4.6		0	15	No	peroxisome	dehydrogenase
C06H2.4	folt-1	10	20	No	plasma membrane	encodes a folate transporter required for folate uptake
C06H5.7		10	20	No	plasma membrane	<i>no predicted function</i>
C07E3.2	pro-2	10	20	No	nucleus	yeast ortholog of Noc2p required for intranuclear ribosome maturation and transport
C07G1.2		20	5	Yes	extracellular	LDL-receptor domain protein
C08H9.2		10	35	No	nucleus	high-density lipoprotein-binding protein
C08H9.3		10	20	No	ER	alpha-1,3-glucosyltransferase - homolog of yeast alg8
C09D4.5	rpl-19	10	30	No	cytoplasm	large ribosomal L19 protein
C09H10.2	rpl-41	10	15	No	cytoplasm	large ribosomal subunit L41 protein
C10G11.5	pnk-1	0	20	No	cytoplasm	<i>no predicted function</i>
C11E4.1		20	30	No	extracellular	glutathione peroxidase
C12D5.2	ahr-152	0	15	No		zinc finger protein
C13B7.4	srd-71	0	30	Yes	plasma membrane	7TM chemoreceptor, srd family
C14A4.3		10	20	No	ER	alpha-1,2-mannosyltransferase
C14A4.5	crn-5	0	20	No	nucleus	ribonuclease
C14B9.1	hsp-12.2	20	25	No	cytoplasm	small heat-shock protein that forms with HSP-12.3 and has no chaperone-like activity
C16C10.6	ccdc-55	20	0	No	nucleus	<i>no predicted function</i>
C16C10.9		10	20	No		<i>no predicted function</i>
C16C8.11		20	20	No		ubiquitin and ubiquitin-like protein

C17A2.8	nhr-72	20	20	No	nucleus	zinc finger protein
C17C3.11		10	20	No	cytoplasm	<i>no predicted function</i>
C17D12.2	unc-75	0	30	No	nucleus	encodes an RNA-binding protein with two N-terminal RNA recognition motifs
C17H12.1	dyci-1	25	15	No	cytoplasm	<i>no predicted function</i>
C17H12.14	vha-8	0	25	No	mitochondrion	ortholog of subunit E of vacuolar proton-translocating ATPase (V-ATPase)
C18A11.2		0	20	No		<i>no predicted function</i>
C18F10.8	srg-7	30	35	No	plasma membrane	receptor-like protein, Srg family
C23G10.4	rpn-2	30	0	Yes	cytoplasm	subunit of the 26S proteasome which functions in ubiquitin moieties in protein degradation
C24B5.2	spas-1	30	30	Yes	nucleus	Integral membrane ankyrin-repeat protein Kidins220 (protein kinase D substrate)
C24F3.2		25	25	No	cytoplasm	dual specificity phosphatase
C24H11.4	srd-74	35	35	No	plasma membrane	chemoreceptor/7TM receptor
C25A1.13		0	20	No	mitochondrion	NADH-ubiquinone oxidoreductase B8 subunit
C25A1.8	clec-87	10	20	Yes	Golgi	C-type lectin
C25A1.9		10	35	No	cytoplasm	<i>no predicted function</i>
C26D10.2	hel-1	10	30	No	nucleus	ortholog of human 56-kD U2AF65 associated protein
C26D10.5	eff-1	30	35	Yes		encodes a type I transmembrane glycoprotein
C26E6.6		30	10	No	mitochondrion	ribosomal protein L3
C26E6.7		0	25	No		<i>no predicted function</i>
C27D8.2		20	20	Yes	nucleus	yeast ortholog involved in protein transport, necessary for protein transport from ER to Golgi
C27H5.5	col-36	20	20	No	extracellular	collagen protein
C30G12.2		10	25	No	ER	predicted short chain-type dehydrogenase
C30G12.7	puf-8	20	20	Yes	cytoplasm	translational repressor Pumilio/PUF3 and related RNA-binding proteins
C30H6.3	clec-21	0	20	No	extracellular	<i>no predicted function</i>
C32D5.2	sma-6	10	20	Yes	cytoplasm	serine/threonine protein kinase
C32E8.5		0	20	No	nucleus	transcriptional regulator SNIP1, contains FHA domain
C32F10.1	obr-4	0	20	No	cytoplasm	oxysterol-binding protein
C33A12.13	sru-2	5	15	Yes	plasma membrane	<i>no predicted function</i>
C33F10.2		5	35	No	cytoplasm	cell division control protein
C33F10.4		0	30	Yes		serine/threonine kinase TIP30/CC3
C34B2.10			30	No	ER	<i>no predicted function</i>
C34E10.6	atp-2	0	30	No	mitochondrion	beta subunit of the soluble, catalytic F1 portion of ATP synthase
C34E11.1	rsd-3	15	5	Yes	extracellular	<i>no predicted function</i>

C35B1.1	ubc-1	0	30	No	nucleus	E2 ubiquitin-conjugating enzyme
C35B8.2	vav-1	0	20	No	cytoplasm	<i>no predicted function</i>
C35D10.13		15	15	No		<i>no predicted function</i>
C35D10.2		10	20	No		<i>no predicted function</i>
C35D6.4		0	30	Yes	nucleus	CCCH-type Zn-finger protein
C36B1.4	pas-4	-5	15	No	nucleus	20S proteasome
C37C3.6	ppn-1	15	-5	No	extracellular	encodes three isoforms of a large, novel multidomain glycoprotein
C37H5.1	nex-4	5	15	No	plasma membrane	encodes a predicted annexin.
C41C4.4	ire-1	0	20	No	cytoplasm	transmembrane serine/threonine protein kinase required for the unfolded protein response
C42C1.14	rpl-34	15	25	No	cytoplasm	large ribosomal subunit L34 protein that affects growth and body coloration
C43E11.7	ndx-7	10	30	No	cytoplasm	NUDIX hydrolase predicted to function as a pyrophosphatase
C46E10.7	srh-99	10	20	No		7TM chemoreceptor
C47A4.5		0	20	No	nucleus	<i>no predicted function</i>
C47B2.6	gale-1	20	20	No		UDP-glucose 4-epimerase/UDP-sulfoquinovose synthase
C47D12.8		30	30	No	nucleus	ortholog to the human gene DNA Repair Protein
C47E12.4	pyp-1	0	35	No	cytoplasm	inorganic pyrophosphatase
C47E12.7		20	20	No	nucleus	nucleolar protein NOP52/RRP1
C48D5.1	nhr-6	25	25	Yes	nucleus	nuclear receptor of the NR4A4 subfamily
C48E7.2		10	30	No		<i>no predicted function</i>
C49A9.6		10	15	No		<i>no predicted function</i>
C49H3.11	rps-2	10	20	No	cytoplasm	small ribosomal subunit S2 protein
C49H3.4		10	20	No		like-Sm ribonucleoprotein
C49H3.8		20	30	No	cytoplasm	heat shock protein 70
C50A2.3		30	30	No		<i>no predicted function</i>
C50B6.2	nasp-2	15	15	No	nucleus	histone binding protein
C50F7.4		5	25	No	mitochondrion	succinyl-CoA synthetase beta chain
C52D10.13	col-138	0	20	No	extracellular	cuticular collagen
C52D10.2		10	20	No		<i>no predicted function</i>
C52E4.3	snr-4	10	15	No	nucleus	small nuclear ribonucleoprotein
C53D5.6	imb-3	0	25	No	cytoplasm	nuclear transport factor that regulates nuclear import of ribosomal proteins
C53H9.1	rpl-27	0	20	No	cytoplasm	large ribosomal subunit L27 protein.
C53H9.2		30	30	No	cytoplasm	small ribosomal subunit S2 protein

C54G4.1		10	20	No	cytoplasm	<i>no predicted function</i>
C55A6.7		0	30	No	cytoplasm	alcohol dehydrogenase
C56C10.6		0	20	No		casein kinase
C56C10.8	icd-1	0	25	No	nucleus	ortholog of the beta-subunit of the nascent polypeptide-associated complex (betaNAC)
C56C10.9		15	15	Yes		<i>no predicted function</i>
D1007.1	ceh-17	0	20	No	nucleus	phox-2-like homeodomain protein
D1007.13		20	20	No	nucleus	<i>no predicted function</i>
D1009.2	cyn-8	20	20	Yes	cytoplasm	peptidyl-propyl cis-trans isomerase of the cyclophilin family implicated in protein folding
D1081.7		10	25	No		<i>no predicted function</i>
D2021.8		-10	20	Yes	cytoplasm	ankyrin repeat and DHHC-type Zn-finger domain containing proteins
D2024.3	elo-3	-10	25	No	ER	paralog of elo-1 and elo-2, which encodes a polyunsaturated fatty acid (PUFA) elongase
D2030.10	aex-1	20	20	No		novel C2 domain protein; C2 is a proposed calcium binding domain
D2030.3		0	20	Yes	nucleus	<i>no predicted function</i>
DY3.1	tin-13	0	20	No	mitochondrion	<i>no predicted function</i>
E01G4.2		0	30	No		<i>no predicted function</i>
E02A10.1		15	15	Yes	mitochondrion	mitochondrial 40S ribosomal protein S5
E04A4.4	hoe-1	10	20	Yes	cytoplasm	ortholog to human ELAC2 associated with prostate cancer
E04F6.9		0	30	No		<i>no predicted function</i>
F01D4.3		0	20	No	cytoplasm	SH2 domain tyrosine protein kinase (FFES/FPS subfamily)
F01D5.5		0	20	No	extracellular	<i>no predicted function</i>
F02A9.3	far-2	20	20	No		encodes a protein similar to a class of secreted fatty acid and retinol-binding proteins
F02D10.5	flr-1	15	15	Yes	plasma membrane	sodium channel like
F02E8.1	asb-2	20	30	No	mitochondrion	ATP synthase B homolog
F07A5.7	unc-15	0	20	No	cytoplasm	paramyosin ortholog that interacts with MHC A, one isoform of myosin heavy chain (MHC)
F07E5.2	fbxb-35	0	15	Yes		protein containing an F-box, a motif predicted to mediate protein-protein interactions
F07H5.6		20	10	No	nucleus	<i>no predicted function</i>
F08B4.5		10	20	No	nucleus	<i>no predicted function</i>
F08C6.2		0	25	No	ER	<i>no predicted function</i>
F08F3.3	rhr-1	30	30	No	plasma membrane	ortholog of human Rhesus Blood-group associated glycoprotein
F08G12.1		5	15	No	cytoplasm	ras-related like protein
F09E5.1	pkc-3	15	15	Yes	cytoplasm	protein kinase C
F09G8.3		30	-5	Yes	mitochondrion	Mitochondrial ribosomal protein S9

F10C2.6	drs-2	0	20	No	cytoplasm	putative aspartyl-tRNA synthetase
F10D11.1	sod-2	20	20	No	mitochondrion	iron/manganese superoxide dismutase
F10E9.4		20	20	No	nucleus	<i>no predicted function</i>
F10G7.11	ttr-41	0	30	No		<i>no predicted function</i>
F11A10.1		10	20	No	cytoplasm	TAT-binding homolog like
F11A3.2		10	20	No	cytoplasm	<i>no predicted function</i>
F11A5.10	glc-1	20	20	Yes	plasma membrane	encodes an alpha subunit of a glutamate-gated chloride channel
F11C1.2		15	15	No		<i>no predicted function</i>
F11C1.3		10	20	No	lysosome	membrane glycoprotein
F12B6.3	lgc-51	0	30	Yes	plasma membrane	Integral membrane ankyrin-repeat protein Kidins220 (protein kinase D substrate)
F14E5.5	lips-10	20	30	No		triacylglycerol lipase
F16B12.6		0	20	No		<i>no predicted function</i>
F16G10.6		10	20	No		<i>no predicted function</i>
F16H6.2	clcc-246	0	15	No	Golgi	C-type lectin domain
F19B6.2	ufd-1	20	20	Yes	cytoplasm	ubiquitin fusion-degradation protein
F20D6.8		20	10	No	plasma membrane	RAS-like protein
F20H11.6		10	20	No	extracellular	<i>no predicted function</i>
F21D12.1	nhr-21	0	15	No	nucleus	modulating N-terminal of steroid/thyroid/retinoic nuclear hormone receptors
F21E9.3	ttr-37	20	20	No	extracellular	<i>no predicted function</i>
F22B7.1		20	25	Yes		<i>no predicted function</i>
F22F7.1		0	20	No		saccharopine dehydrogenase
F23B12.7		30	0	No	nucleus	CCAAT binding factor 1 protein like
F23B12.9	egl-1	10	20	No		programmed cell death activator
F25B3.6		10	15	No	nucleus	<i>no predicted function</i>
F25B4.6		30	20	No	mitochondrion	hydroxymethylglutaryl-CoA synthase
F25C8.4		0	20	No	cytoplasm	AMP-binding enzyme
F25G6.3	acr-16	0	20	No	plasma membrane	alpha-7-like homomer-forming subunit of the nicotinic acetylcholine receptor
F25H2.9	pas-5	10	35	No	nucleus	proteasome zeta chain
F25H5.6		20	0	No		<i>no predicted function</i>
F26A1.1		10	35	No		<i>no predicted function</i>
F26B1.2		0	20	No	nucleus	RNA-binding protein
F26D11.11	let-413	0	20	No		encodes a protein that is required for the assembly of adherens junctions

F26E4.9	cco-1	30	20	No	mitochondrion	cytochrome c oxidase, subunit Vb/COX4
F26F2.6	clec-263	0	30	Yes		cysteine rich C-type lectin
F26F4.10	rrt-1	0	15	No	cytoplasm	arginyl-tRNA synthetase that affects embryonic viability and fertility
F26H11.3		20	20	No		<i>no predicted function</i>
F26H9.6	rab-5	25	35	No	plasma membrane	rab related protein of the Ras GTPase
F27C8.2		10	20	No		<i>no predicted function</i>
F27D4.2		0	30	No	nucleus	<i>no predicted function</i>
F27D4.6		20	20	Yes		zinc-finger protein
F28A10.3		0	20	No		<i>no predicted function</i>
F28C12.5	sra-21	20	30	Yes	plasma membrane	7TM chemoreceptor, sra family
F28H6.1	akt-2	20	20	No	cytoplasm	homolog of the serine/threonine kinase Akt/PKB
F29C12.4		10	35	No	mitochondrion	translation elongation factor EFG/EF2
F29D10.1		10	30	No	nucleus	<i>no predicted function</i>
F29D10.5		0	20	No		<i>no predicted function</i>
F30A10.3		10	20	No	cytoplasm	Inositol polyphosphate kinase
F31C3.5		0	25	Yes	nucleus	GIN5 complex, Psf2 component
F31C3.6		20	20	Yes		<i>no predicted function</i>
F32A11.3		35	35	No	nucleus	<i>no predicted function</i>
F32D8.6	emo-1	20	20	No	ER	ortholog of Sec61p, required for translocation of secreted and membrane proteins into the ER
F33D11.10		25	25	No		initiation factor/helicase
F33D11.3	col-54	0	20	No	extracellular	N-terminal collagen triple helix repeat
F35G2.3		0	20	No	cytoplasm	<i>no predicted function</i>
F35H8.3	zfp-2	20	20	No	nucleus	zinc finger, C2H2 type
F36A2.6	rps-15	20	20	No	cytoplasm	small ribosomal subunit S15 protein
F36A2.7		0	30	No		<i>no predicted function</i>
F36F2.2		10	20	No		<i>no predicted function</i>
F36H1.2		10	20	Yes	cytoplasm	integral membrane ankyrin-repeat protein Kidins220 (protein kinase D substrate)
F36H1.5		0	20	No		<i>no predicted function</i>
F37A8.1		25	25	No		<i>no predicted function</i>
F37B4.7	folt-2	10	20	No	plasma membrane	encodes a putative folate transporter
F37C12.11	rps-21	0	20	No	cytoplasm	small ribosomal subunit S21 protein
F37E3.3		15	35	No		protein kinase-like

F38A1.6		0	20	No		C-type lectin superfamily member
F38A3.2	ram-2	0	30	No	extracellular	cuticle collagen that affects ray cell migration
F38E1.7	mom-2	10	35	No	extracellular	member of the Wnt family of secreted signaling glycoproteins
F39E9.5		5	15	No		mariner transposase
F40B1.2	bath-18	20	10	No	cytoplasm	<i>no predicted function</i>
F40G12.11		20	20	No		yeast ortholog involved in the translocation of macromolecules between the nucleoplasm
F41C3.8		20	10	No		<i>no predicted function</i>
F41E7.7		0	20	No		<i>no predicted function</i>
F42A10.4	efk-1	0	35	No	cytoplasm	calcium/calmodulin-dependent protein kinase
F42A10.5		15	15	No		<i>no predicted function</i>
F42A6.7	hrp-1	10	20	No	nucleus	RNA-binding protein
F42G4.6		10	20	No		<i>no predicted function</i>
F42G8.10		10	20	No		<i>no predicted function</i>
F44A2.1		20	30	No	nucleus	<i>no predicted function</i>
F44F4.2	egg-3	0	20	No	extracellular	protein-tyrosine phosphatase
F44G3.10		20	10	No		claudin homolog required for cohesion of apical junctions in epithelia
F45E4.11		20	30	No	plasma membrane	permease of the major facilitator superfamily
F45E4.7		10	20	No	extracellular	<i>no predicted function</i>
F46A9.3	twk-29	0	15	Yes		<i>no predicted function</i>
F46C3.1	pek-1	10	20	No	ER	protein kinase orthologous to human eukaryotic translation initiation factor 2-alpha kinase 3
F46E10.9	dpy-11	20	25	No	ER	membrane-associated thioredoxin-like (TRX) protein
F46F11.4	ubl-5	0	30	Yes		ortholog of the human ubiquitin-like gene UBL5
F46F3.4	ape-1	10	20	No	cytoplasm	encodes an ortholog of inhibitory p53-interacting protein (iASPP)
F47B10.8		20	20	No		<i>no predicted function</i>
F47B3.2		0	20	No	cytoplasm	protein tyrosine phosphatase
F47B7.5		0	15	No	nucleus	<i>no predicted function</i>
F47G4.2		20	0	No	plasma membrane	<i>no predicted function</i>
F47G9.1	srf-8	10	20	No	Golgi	<i>no predicted function</i>
F47G9.3		20	20	No		<i>no predicted function</i>
F47H4.7	fbxa-187	0	20	No	cytoplasm	predicted to mediate protein-protein interactions either with homologs of yeast Skp-1p
F48C1.5		20	35	No		<i>no predicted function</i>
F48E8.5	paa-1	20	0	No	cytoplasm	protein phosphatase

F49C12.2		0	30	No		<i>no predicted function</i>
F49C12.4		0	30	No		<i>no predicted function</i>
F49C12.5		0	20	Yes		DUF23 type extracellular protein with conserved cysteines
F49C12.8	rpn-7	25	35	No	cytoplasm	non-ATPase subunit of the 19S regulatory complex of the proteasome
F52B11.3	noah-2	-10	15	No		<i>no predicted function</i>
F52B5.6	rpl-25.2	0	15	No	cytoplasm	large ribosomal subunit L23a protein
F52C6.1	bath-22	10	20	No	cytoplasm	<i>no predicted function</i>
F52C6.11	bath-2	25	35	No	cytoplasm	<i>no predicted function</i>
F52E10.5	ifa-3	30	10	Yes	cytoplasm	coiled intermediate filament protein
F52H2.3		10	20	No		<i>no predicted function</i>
F53A3.3	rps-22	20	20	Yes	cytoplasm	ribosomal subunit S15a protein
F53C11.7	swan-2	10	20	No	nucleus	yeast hypothetical protein YPL247C like
F53G12.10	rpl-7	30	30	No	cytoplasm	ribosomal protein L30
F54C8.4		15	15	No	nucleus	protein-tyrosine phosphatase
F54C8.5	rheb-1	15	15	No	plasma membrane	Ras small GTPase
F54C9.2	stc-1	0	20	No	ER	heat shock 70Kd protein
F54D10.3		0	30	Yes		<i>no predicted function</i>
F54D10.6		10	20	No		<i>no predicted function</i>
F54E7.2	rps-12	10	20	No	cytoplasm	ribosomal subunit S12 protein
F54E7.5	sdz-21	20	20	No		<i>no predicted function</i>
F55A12.3	ppk-1	25	35	No	cytoplasm	phosphatidylinositol-4-phosphate 5-kinase
F55D10.2	rpl-25.1	15	25	No	cytoplasm	ribosomal protein L23
F55G11.5	dod-22	0	15	No		<i>no predicted function</i>
F55H2.2	vha-14	10	30	No	mitochondrion	ortholog of subunit D of the cytoplasmic (V1) domain of vacuolar proton-translocating ATPase
F56A12.1	unc-39	0	20	No	nucleus	homeodomain transcription factor that belongs to the Six4/5 family
F56B3.10	gst-40	35	35	No	cytoplasm	glutathione S-transferase
F56E10.1		0	20	Yes	nucleus	<i>no predicted function</i>
F56F10.2		0	20	No		<i>no predicted function</i>
F57B1.2	sun-1	0	20	No	nucleus	nuclear envelope receptor for CED-4 during apoptosis, and is bound by CED-4 in vitro
F57B9.6	inf-1	15	5	No	nucleus	<i>no predicted function</i>
F58B4.1	nas-31	0	20	No		zinc metalloprotease
F58B4.5		20	20	No	ER	<i>no predicted function</i>

F58G1.2		25	25	No	nucleus	zinc finger, C2H2 type
F59A1.13		10	20	No	plasma membrane	<i>no predicted function</i>
F59A1.4	str-89	0	20	No	plasma membrane	7-transmembrane olfactory receptor
F59A3.3		20	10	No		<i>no predicted function</i>
F59B2.11		20	20	Yes	nucleus	<i>no predicted function</i>
F59C6.5		30	5	No	mitochondrion	NADH ubiquinone oxidoreductase
F59E10.3		-10	15	No	Golgi	subunit of the coatomer (COPI) complex
H02I12.6	his-66	30	20	No	nucleus	H2B histone
H04J21.3	gip-1	10	20	No		gamma-tubulin-binding protein
H06H21.3		15	25	No	cytoplasm	translation initiation factor
H12I19.3	srz-30	10	35	No		<i>no predicted function</i>
H13N06.3	gob-1	25	25	Yes		trehalose-6-phosphatase
H23N18.4		10	30	Yes	ER	UDP-glucuronosyl and UDP-glucosyl transferase
H39E20.1		10	20	No		<i>no predicted function</i>
JC8.11		0	20	No		<i>no predicted function</i>
K01A6.4		0	20	No	nucleus	<i>no predicted function</i>
K01C8.6		30	0	No	cytoplasm	<i>no predicted function</i>
K01C8.9	nst-1	0	30	No	nucleus	encodes a homolog of human FLJ10613 and nucleostemin
K02D10.5		20	20	No	plasma membrane	SNAP-25 (synaptosome-associated protein) component of SNARE complex
K02D3.1		0	25	No		<i>no predicted function</i>
K02F2.3	tag-203	25	25	Yes	nucleus	splicing factor 3b, subunit 3
K04A8.10		30	30	No	ER	UDP-glucuronosyltransferase
K04G2.1	iftb-1	20	20	No	cytoplasm	translational initiation factor 2 beta subunit
K04G7.11		20	0	No	cytoplasm	<i>no predicted function</i>
K05C4.1	pbs-5	35	35	No	cytoplasm	20S proteasome, regulatory subunit beta type PSMB5/PSMB8/PRE2
K06H7.6	apc-2	0	20	No	cytoplasm	subunit 2 of APC, a cyclin-specific E3 RING ubiquitin ligase
K06H7.8		0	20	No	cytoplasm	casein kinase (serine/threonine/tyrosine protein kinase)
K07C5.8	cash-1	35	35	No	cytoplasm	nuclear autoantigen
K07E8.3	sdz-24	25	25	Yes	nucleus	single-stranded DNA-binding replication protein A (RPA)
K07H8.1		10	20	No	cytoplasm	<i>no predicted function</i>
K08C9.2		20	20	No		<i>no predicted function</i>
K08E3.1	tyr-2	0	20	No	extracellular	tyrosinase

K08E3.6	cyk-4	0	20	No	cytoplasm	GTPase-activator protein for Rho-like GTPases
K08E3.7	pdr-1	0	20	No	nucleus	E3 ubiquitin-protein ligase
K08F4.5		5	35	No	nucleus	<i>no predicted function</i>
K09A9.5	gas-1	10	20	No	mitochondrion	NADH-ubiquinone oxidoreductase 49KD subunit
K09D9.11		0	20	No	nucleus	<i>no predicted function</i>
K09E10.2		10	20	No	mitochondrion	integral membrane ankyrin-repeat protein Kidins220 (protein kinase D substrate)
K09E4.2		10	30	No	ER	alpha-1,3-mannosyltransferase
K10C2.2		25	35	No		<i>no predicted function</i>
K12H4.3		15	15	No	nucleus	<i>no predicted function</i>
K12H6.2		20	0	No		<i>no predicted function</i>
M01A10.5		0	20	No		<i>no predicted function</i>
M01E10.2	dpy-1	0	35	Yes	extracellular	integral membrane ankyrin-repeat protein Kidins220 (protein kinase D substrate)
M03D4.1	zen-4	30	25	No	Golgi	kinesin-like protein
M04G12.3	gcy-34	20	20	No	cytoplasm	guanylyl cyclase that is expressed in four sensory neurons connected to the pseudocoelom
M110.4	ifg-1	0	20	No		ortholog of the translational initiation factor eIF4 (eIF-4) gamma
M117.3		0	20	No	cytoplasm	protein with similarity to the C-terminal half of the 14-3-3 proteins PAR-5 and FTT-2
M88.2		35	5	Yes	mitochondrion	mitochondrial ribosomal protein S34
R02C2.3	tag-40	0	30	No	plasma membrane	<i>no predicted function</i>
R02D3.8		20	20	No	extracellular	exonuclease
R03A10.4	knat-3	15	15	Yes		gluamine-phenylpyruvate transaminase
R03G5.1	eft-4	0	20	No	cytoplasm	elongation factor EF-1-alpha
R04A9.2		0	30	No	cytoplasm	<i>no predicted function</i>
R05H10.2		30	10	No	nucleus	RNA recognition motif
R06A4.7	mes-2	10	20	No	nucleus	ortholog of the Drosophila Polycomb group protein Enhancer of zeste
R06F6.1	cdl-1	30	35	No	nucleus	homolog of human hairpin (stem-loop) binding proteins (HBP/SLBP)
R07E5.6		30	30	Yes	Golgi	<i>no predicted function</i>
R07G3.1	cdc-42	0	20	No	cytoplasm	RHO GTPase which controls polarity of both individual cells and developing embryos
R07H5.3		0	20	No		<i>no predicted function</i>
R08D7.1		25	35	No	nucleus	<i>no predicted function</i>
R09B3.4	ubc-12	25	25	Yes	cytoplasm	ubiquitin-conjugating enzyme
R10E4.4	mcm-5	20	20	No	nucleus	<i>no predicted function</i>
R10H10.2	spe-26	30	30	No	cytoplasm	encodes a Kelch motif-containing protein

R11A5.2	nud-2	10	20	No	Golgi	NUD-2 is required to prevent convulsions induced by exposure to the GABA antagonist
R11D1.8	rpl-28	10	20	No	cytoplasm	ribosomal subunit L28 protein
R13A1.8	glb-23	0	30	No	nucleus	globin
R13A5.11		20	20	No	cytoplasm	<i>no predicted function</i>
R13A5.8	rpl-9	15	15	Yes	cytoplasm	ribosomal subunit L9 protein that affects fertility and embryonic viability
T01A4.2		10	20	Yes	plasma membrane	<i>no predicted function</i>
T01E8.6		25	25	No	mitochondrion	mitochondrial ribosomal protein S14
T04A11.5		0	30	No	cytoplasm	<i>no predicted function</i>
T04A8.14	emb-5	30	25	No	nucleus	ortholog of the Spt6 family of RNA polymerase II transcription elongation factors
T04G9.4		0	35	No	cytoplasm	<i>no predicted function</i>
T05B4.9		0	20	No	extracellular	<i>no predicted function</i>
T05E11.7		35	35	No	Golgi	<i>no predicted function</i>
T05G5.7	rmd-1	20	10	No	cytoplasm	<i>no predicted function</i>
T05H10.4		20	20	Yes	nucleus	<i>no predicted function</i>
T05H10.6		0	20	No	mitochondrion	pyruvate dehydrogenase E1 alpha subunit
T06D8.8	rpn-9	35	35	Yes	cytoplasm	subunit of the 19S regulatory complex of the proteasome
T06E6.2	cyb-3	5	15	No	nucleus	member of the cyclin B family that is required for embryonic viability
T06G6.9		0	20	No	cytoplasm	human VHL binding protein like
T07D4.2		10	20	No	cytoplasm	calcineurin-like metallophosphoesterase
T07F10.4		-5	25	No	plasma membrane	predicted membrane protein
T08B1.1		0	30	No	plasma membrane	sugar transporter
T08D2.1		35	35	No	Golgi	<i>no predicted function</i>
T09A5.11		20	20	No	ER	N-oligosaccharyl transferase 48kd subunit
T09D3.3		0	20	No	extracellular	<i>no predicted function</i>
T10B5.5	cct-7	0	30	No	cytoplasm	<i>no predicted function</i>
T10B5.6	knl-3	10	25	No	cytoplasm	KNL-3 activity is essential for formation of a functional kinetochore
T10B9.8	cyp-13A1	0	20	No	ER	cytochrome P450
T11F8.3	rme-2	0	15	No	extracellular	LDL-like receptor
T11G6.8		15	15	No	nucleus	<i>no predicted function</i>
T12A2.1		15	15	No	cytoplasm	<i>no predicted function</i>
T12B3.2		20	30	No	plasma membrane	<i>no predicted function</i>
T13A10.5	nlp-16	0	30	No	ER	predicted neuropeptide

T13F3.1	str-183	10	20	No	plasma membrane	7TM receptor
T14B4.3		10	30	No		<i>no predicted function</i>
T14G12.2	tag-81	20	0	No	plasma membrane	synaptosomal associated protein 25A (SNAP-25A)
T15B7.3	col-143	0	20	No	extracellular	cuticle collagen
T16G1.9		10	20	No	extracellular	<i>no predicted function</i>
T17H7.4	gei-16	25	25	Yes	nucleus	protein with similarity to the B20 antigen of the parasitic nematode <i>Onchocerca volvulus</i>
T19A5.3		0	20	No	nucleus	<i>no predicted function</i>
T19B10.2		0	25	No		<i>no predicted function</i>
T20B12.3		10	30	No		predicted nucleolar protein involved in ribosome biogenesis
T20B3.2	tni-3	0	35	No	cytoplasm	troponin I
T20D4.19		20	20	No		<i>no predicted function</i>
T20D4.5		-5	15	Yes		<i>no predicted function</i>
T21B10.2	enol-1	20	20	Yes	cytoplasm	ortholog of human ENOLASE 1
T21C9.12	scpl-4	20	20	No	nucleus	REV protein (anti-repression transactivator protein)
T21D12.12		0	20	No	extracellular	protease inhibitor
T22D1.10	ruvb-2	20	-5	No	nucleus	<i>no predicted function</i>
T22F3.4	rpl-11.1	20	35	No	cytoplasm	large ribosomal subunit L11 protein
T22F7.1		20	20	Yes	plasma membrane	protease inhibitor
T23B12.7	dnj-22	15	15	No	nucleus	encodes a protein containing a DnaJ ('J') domain that is predicted to be mitochondrial
T24D1.1	sqv-5	20	20	No		chondroitin synthase that both initiates and elongates chondroitin chains
T24D5.3		10	20	No		<i>no predicted function</i>
T24F1.4		20	-10	No	extracellular	<i>no predicted function</i>
T26A5.8		20	20	Yes	nucleus	DNA polymerase epsilon, subunit D
T26E3.7		10	25	No	mitochondrion	ATP synthase alpha and beta subunits
T27C4.4	lin-40	0	35	No	nucleus	<i>no predicted function</i>
T27E9.9	acc-4	0	35	Yes	plasma membrane	ligand-gated ion channel
T27F2.3	bir-1	20	20	No	cytoplasm	homolog of the baculoviral inhibitor-of-apoptosis (IAP) repeat (BIR) proteins (BIRPs) family
VC5.4	mys-1	30	30	No	nucleus	MYST acetyltransferase
VW02B12L.4	adbp-1	20	25	Yes		<i>no predicted function</i>
W02A2.1	fat-2	0	30	No	ER	delta-12 fatty acyl desaturase that increases membrane fluidity
W02D7.7	sel-9	10	20	No	Golgi	member of p24 family that regulates the transport of lin-12 and glp-1 to the cell surface
W02H5.1		20	20	No		<i>no predicted function</i>

W03G1.2		10	20	No	nucleus	<i>no predicted function</i>
W04C9.5		0	35	No	plasma membrane	Ras-related GTPase
W04G3.2		20	20	Yes		<i>no predicted function</i>
W05E10.1		0	20	No	plasma membrane	multidrug resistance protein (major facilitator superfamily MFS-1)
W05F2.2		15	15	Yes	cytoplasm	<i>no predicted function</i>
W05F2.3		15	15	No		<i>no predicted function</i>
W06B11.1		-10	15	No		<i>no predicted function</i>
W06D4.5	snx-3	0	15	No	cytoplasm	<i>no predicted function</i>
W06H8.2		0	20	No	mitochondrion	<i>no predicted function</i>
W06H8.4		0	20	No		<i>no predicted function</i>
W09C5.1		15	15	No	nucleus	<i>no predicted function</i>
W09C5.2	unc-59	20	20	Yes	cytoplasm	encodes two septin isoforms required for normal axonal migration
W09C5.4	ins-33	0	30	No	extracellular	insulin-like peptide of the insulin superfamily of proteins
W09C5.6	rpl-31	15	15	No	cytoplasm	ribosomal subunit L31 protein
W09D6.5		10	20	No	nucleus	ortholog of GPI-anchored cell surface glycoprotein
W10G6.1		35	35	No		uncharacterized protein, contains BRCT, WSN domains and ankyrin repeats
Y102A5C.8	fbxa-110	0	30	No		protein containing an F-box, a motif predicted to mediate protein-protein interactions
Y105E8B.4	bath-40	10	20	No	nucleus	<i>no predicted function</i>
Y106G6H.13		30	30	No		<i>no predicted function</i>
Y106G6H.3	rpl-30	0	30	No	cytoplasm	ribosomal subunit L30 protein
Y106G6H.9		10	30	No	cytoplasm	protein containing an F-box, a motif predicted to mediate protein-protein interactions
Y110A7A.13	chp-1	20	20	No	cytoplasm	protein containing two CHORD domains that is required for germline development
Y110A7A.8		10	30	No		mRNA splicing protein
Y116A8C.12	arf-6	30	30	No	cytoplasm	GTP-binding protein of the ADP-ribosylation factor (ARF) family
Y116A8C.42	snr-1	20	20	No	nucleus	small nuclear ribonucleoprotein Sm D3
Y119D3B.17	pes-4	20	20	No	nucleus	encodes a protein that contains two type 1 KH domains
Y11D7A.5		10	20	No		<i>no predicted function</i>
Y17D7B.4		10	20	No		<i>no predicted function</i>
Y17G7B.10		20	20	No	cytoplasm	predicted kinase
Y17G9B.8		25	25	No		<i>no predicted function</i>
Y23H5A.1	crs-2	10	30	No	cytoplasm	aminoacyl-tRNA synthetase
Y24D9A.7		10	20	No		<i>no predicted function</i>

Y24D9A.8		15	10	No	cytoplasm	ortholog of the human gene TRANSALDOLASE 1
Y37H9A.6	ndx-4	0	15	Yes	cytoplasm	homodimeric diadenosine tetraphosphate (Ap(4)A) hydrolase
Y38H6C.3	dct-14	10	30	No		<i>no predicted function</i>
Y39A1A.14		20	0	No	nucleus	protein required for 18S rRNA maturation and 40S ribosome biogenesis
Y39C12A.1		25	25	No	cytoplasm	SAM domain; Ankyrin repeat
Y40B1A.1		0	20	No		<i>no predicted function</i>
Y43H11AL.3	pqn-85	20	0	Yes	nucleus	protein predicted to contain a glutamine/asparagine (Q/N)-rich ('prion') domain
Y45F10C.4		10	20	Yes		<i>no predicted function</i>
Y45F3A.3		20	20	No	mitochondrion	very-long-chain acyl-CoA dehydrogenase
Y45G5AM.9		20	20	No	nucleus	<i>no predicted function</i>
Y46H3A.4		10	35	No		<i>no predicted function</i>
Y47D7A.1	skr-7	25	35	Yes	nucleus	homolog of Skp1 in <i>S. cerevisiae</i> that is required for posterior body morphogenesis
Y47G6A.24		0	15	No		protein required for proper attachment of chromosomes to the mitotic spindle
Y47H9C.5		0	20	No	ER	<i>no predicted function</i>
Y48A6C.2		10	20	No		<i>no predicted function</i>
Y48A6C.4		30	20	No		ortholog of <i>S. cerevisiae</i> IPI1 that may suppress tumorous growth in the germline
Y48B6A.1		30	10	No	nucleus	ortholog of human BOP1 (overexpressed in colon cancer); may suppress tumorous growth
Y48C3A.14		10	20	No	nucleus	<i>no predicted function</i>
Y49F6B.1	cyh-1	0	30	No	nucleus	<i>no predicted function</i>
Y51A2D.7		25	-5	No		<i>no predicted function</i>
Y51H1A.3		0	30	No	mitochondrion	<i>no predicted function</i>
Y51H4A.22		10	20	No	extracellular	<i>no predicted function</i>
Y51H4A.3	rho-1	20	0	No	plasma membrane	GTP-binding protein that is a member of the Rho family of GTPases
Y53C12B.2		30	10	No	cytoplasm	predicted RNA-binding protein Pno1p involved in 26S proteasome assembly
Y53F4B.14		20	20	No		<i>no predicted function</i>
Y53F4B.3		0	20	No	nucleus	transcription factor CBF/NF
Y53G8AR.3	ral-1	5	15	No	plasma membrane	Ras small GTPase
Y54E10BR.5		35	35	No	ER	signal peptidase I
Y54G2A.18		35	35	No	Golgi	B-cell receptor-associated protein 31-like
Y54H5A.2	tag-262	10	20	Yes	cytoplasm	<i>no predicted function</i>
Y54H5A.3		35	0	Yes	cytoplasm	RNA-binding protein
Y55F3C.6		0	30	No		<i>no predicted function</i>

Y56A3A.1	ntl-3	25	25	Yes	nucleus	ortholog of NOT3/NOT5, a member of a protein complex also predicted to contain ccf-1
Y56A3A.4	taf-12	20	20	No	nucleus	homolog of transcription initiation factor TFIID
Y57A10A.19	rsr-2	25	25	Yes	nucleus	splicing coactivator SRm160/300, subunit SRm300
Y57G11C.23		10	30	Yes	plasma membrane	synaptic vesicle transporter
Y58A7A.1		20	20	No	plasma membrane	copper transporter
Y62E10A.13		0	20	No	cytoplasm	<i>no predicted function</i>
Y62F5A.1	mdt-8	25	15	Yes	nucleus	<i>no predicted function</i>
Y64G10A.5		25	35	No		<i>no predicted function</i>
Y65B4A.3		20	0	No		<i>no predicted function</i>
Y65B4A.6		35	0	No	nucleus	<i>no predicted function</i>
Y6B3B.9		20	20	No		<i>no predicted function</i>
Y71D11A.2	smr-1	0	30	No	nucleus	splicing factor SPF30
Y71F9B.8		10	20	No	plasma membrane	<i>no predicted function</i>
Y71H2B.3	ppfr-3	20	20	No	cytoplasm	protein phosphatase 2A-associated protein
Y73C8C.2	clec-210	20	20	No	extracellular	C-type lectin
Y73F8A.10		35	35	No		<i>no predicted function</i>
Y73F8A.22		0	30	No		<i>no predicted function</i>
Y79H2A.1	brp-1	20	20	No	nucleus	glutamine-rich protein that is conserved in nematodes
ZC204.12		0	20	No		<i>no predicted function</i>
ZC239.13		10	30	No		<i>no predicted function</i>
ZC395.2	clk-1	15	15	No	cytoplasm	partially controls lifespan in vivo; it encodes a homolog of the yeast COQ9 protein
ZC443.6	ugt-16	10	20	No	ER	UDP-glucuronosyltransferase
ZC477.9	deb-1	0	20	No	cytoplasm	muscle attachment protein required for attaching actin filaments to the basal sarcolemma
ZC513.4	vrs-1	10	25	No	cytoplasm	valyl-tRNA synthetase
ZK1010.2		10	20	No	cytoplasm	<i>no predicted function</i>
ZK1058.4	ccdc-47	20	20	Yes	nucleus	<i>no predicted function</i>
ZK1127.7	cin-4	20	20	No	nucleus	DNA topoisomerase, type IIA
ZK180.4		20	20	No	Golgi	GTP-binding protein
ZK185.1		0	20	No		<i>no predicted function</i>
ZK39.2	clec-95	10	30	No	extracellular	C-type lectin
ZK418.4	lin-37	10	25	No		<i>no predicted function</i>
ZK430.7		20	20	Yes	nucleus	ribosomal processing protein

ZK430.8	mlt-7	35	0	No	lysosome	peroxidase
ZK512.4		35	35	No	cytoplasm	signal recognition particle 9Kd protein
ZK632.13	lin-52	20	20	No		protein that appears to function with lin-35/Rb to negatively regulate vulval development
ZK669.1	tag-341	30	30	No	cytoplasm	chimaerin and related Rho GTPase activating proteins
ZK809.3		-10	20	No		<i>no predicted function</i>
ZK856.11		20	20	No	nucleus	<i>no predicted function</i>
ZK899.4	tba-8	25	35	No	cytoplasm	tubulin alpha chain
ZK899.7		10	20	No		<i>no predicted function</i>