Casein kinase II promotes target silencing by miRISC through direct phosphorylation of the DEAD-box RNA helicase CGH-1

Supporting Information Corrected February 08, 2016

Supporting Information

Supplemental figures

Supplemental figure legends

Supplemental materials and methods

Supplemental tables

Supplemental table legends

SUPPLEMENTAL FIGURE LEGENDS

Figure S1. RNAi efficiently knocks down CK2. (A) *kin-10* mRNA is efficiently depleted by *kin-10* RNAi at L3 (F1 RNAi, 1:1 dilution with vector) and young adult stage (P0 RNAi, full strength). (B) KIN-3 protein is efficiently depleted in late L4-young adult by *kin-3* RNAi (P0 RNAi, 1:1 dilution with vector).

Figure S2. CK2 promotes miRNA-mediated adult hypodermal remodeling. (A) *kin-3* and *kin-10* RNAi delay expression of adult-specific P*col-19*::*gfp* reporter. Penetrance of GFP expression was substantially decreased in populations fed *kin-3* and *kin-10* RNAi versus vector at time points spanning young to gravid adulthood (60 hr, 72 hr and 80 hr post L1 at 20°C). Mean and standard deviation of biological replicates are plotted (n>50 each). (B) KIN-3 is broadly expressed in larval animals. Top panels: Fluorescence microscopy of KIN-3::GFP driven by a 2 kb *kin-3* endogenous promoter. Bottom panels: DIC.

Figure S3. RNAi treatments do not cause substantial developmental delay by L2 stage. Representative images of larvae used in LIN-14 western blot analysis taken at the same magnification. Substantial growth observed between 8 hr and 20 hr suggests a lack of RNAi-induced developmental delay.

Figure S4. CK2 does not affect miRNA levels. (A) CK2 RNAi does not affect global miRNA abundance. Mature miRNA levels are quantified by deep sequencing and represented as number of reads mapping to each mature miRNA normalized to total mapped library size in millions (RPM). (B) Global analysis in (A) was confirmed by northern blotting: *kin-3* and *kin-10* RNAi do not alter levels of precursor or mature miR-1 or miR-58 in wild-type or *alg-1*(*tm369*).

Figure S5. CGH-1 and DDX6 have N-terminal intrinsically disordered regions that contain S2. Amino acid sequence of (A) CGH-1 and (B) DDX6 are plotted on the x-axis. Regions of the protein above the dotted line, highlighted in orange, are predicted to be intrinsically disordered. S2 is marked with a blue asterisk.

Figure S6. Relative CGH-1::GFP expression of S2 variants. CGH-1::GFP expression was determined by SDS-PAGE and western blotting lysates of young adults (52 hr 20°C) using antibodies against GFP and endogenous CGH-1. γ-Tubulin was used as a loading control. (A) Soma-enriched expression of wild-type and S2 variant CGH-1::GFP expressing strains. *glp-1* RNAi was used to deplete germline. Two exposures of the anti-CGH-1 western blot are shown to best illustrate expression of either CGH-1::GFP (exposure 1) or endogenous CGH-1 (exposure 2). (B) Expression of CGH-1::GFP. Band specificity demonstrated in S2 fed *cgh-1* RNAi [Lane 1] or *gfp* RNAi [Lane 2], to knockdown endogenous *cgh-1* or both the *cgh-1::gfp* transgene and endogenous *cgh-1*, respectively, compared to no RNAi treatment [Lane 3]. Wild-type CGH-1::GFP = S2. Phospho-defective CGH-1::GFP= S2A Lines 1 and 2. Phospho-mimic CGH-1::GFP= S2D and S2E.

Figure S7. Post-dauer suppression of miRNA phenotypes requires KIN-3, but not CK2 phosphorylation of CGH-1. (A) KIN-3 is required for post-dauer suppression of *alg-1(gk214)* alae defects. *alg-1(gk214)* on vector RNAi significantly suppress alae defects in post-dauer development (PDD). *kin-3* RNAi abrogates suppression of defective alae phenotypes in PDD (significance determined by two-tailed Student's *t*-test of biological replicates, mean and standard deviation are plotted, n≥39 per replicate). (B) Phosphorylation of CGH-1 is required only during continuous development (CD), and not during post-dauer development (PDD). Strains were grown at the permissive temperature until the L2 molt (for CD) or dauer (for PDD) (see Methods). Asterisk indicates $p<0.0001$ by two-tailed Fisher's exact test, n>60, each experiment was carried out at least twice. For all: TG= transgene, S2A Lines 1 and 2 = phospho-defective, S2D/E = phospho-mimic.

SUPPLEMENTAL MATERIALS AND METHODS

Plasmids and Transgenic Strains. The *kin-3::gfp* reporter plasmid (pJK194*)* was generated by introducing the following fragments into pJK211 (a derivation of Fire vector pPD49.26): *kin-3* endogenous promoter (2.0 kb fragment immediately upstream of the *kin-3* start codon), *kin-3* genomic coding region (2.2 kb fragment with mutated termination codon), *gfp* coding region (0.9 kb fragment with synthetic introns and termination codon), and *kin-3* endogenous 3′UTR (1.2 kb fragment immediately downstream of *kin-3* termination codon). The *Pmef-2::gfp::mef-2* 3'UTR reporter (KP#1438) was generated by sub-cloning the following fragments into *gfp* 3'UTR reporter KP#1436 (55): *mef-2* endogenous promoter (4.1kb fragment upstream of the *mef-2* coding region) and *mef-2* endogenous 3′UTR (2.2kb fragment downstream of *mef-2* termination codon). The two most 5' miR-1 sites in the *mef-2* 3'UTR were scrambled to abrogate seed recognition using SOE-PCR and subcloned into KP#1438 to create the *Pmef-2::gfp::mef-2 3'UTR (scrambled miR-1 sites I and II)* plasmid. The *cgh-1::gfp* reporter plasmid (pJK297) was generated by introducing the following fragments into pJK211: *cgh-1* endogenous promoter and genomic coding region (~3.7 kb fragment including 2.1 kb immediately upstream of the *cgh-1* start codon and the *cgh-1* coding region with mutated termination codon), *gfp* coding region (0.9 kb fragment with synthetic introns and termination codon), and *unc-54* 3'UTR (0.76 kb PCR fragment downstream of the *unc-54* termination codon which includes the 282 bp annotated *unc-54* 3'UTR. *cgh-1::gfp* S2 variants were generated from pJK297 by introducing site-specific mutations to alter serine to encode alanine (pJK789), aspartic acid (pJK787), or glutamic acid (pJK791) Reporter plasmids were used to generate multi-copy integrated transgenes as described (80).

The *cgh-1* 3'UTR RNAi clone (pJK301), which was made by subcloning a ~0.5 kb fragment amplified from the *cgh-1* 3'UTR into the vector, *L4440* [Primer I: ACACTAGTTCTCATATCCCCAAACCTCCAAAACACACAGCGGCCGCCATATCCCCA AACCTCCAAAACAC (Not-I); Primer 2: AATGTGGTGCGGCTCAACAGAATAACTACAAATGCTAGCCGGCTCAACAGAATAAC TACA (Nhe I)] , followed by transformation into *E. coli HT115*.

Modified RNAi Conditions. Since several genes in this study are essential for development and/or fertility, feeding RNAi (i) duration (one versus two generations) and (ii) strength (RNAi cultures were diluted with cultures from bacteria expressing the empty vector *L4440*) were optimized to achieve a balance of efficient knockdown and viability. For RNAi spanning two generations, two rounds of synchronization were performed. RNAi conditions for alae defect, seam cell number, adult collagen (*Pcol-19::gfp*) expression, lethargus, Rup, and Muv assays were as follows: *kin-3* RNAi (1 generation, no dilution), *kin-10* RNAi (2 generations, 1:1 dilution), *alg-1* RNAi (1 generation, 1:1 dilution), *ain-1* RNAi (2 generations, no dilution), and *nhl-2* RNAi (2 generations, no dilution). RNAi for *mef-2* GFP reporters were for two generations as follows, images of young adults were taken in the second generation: *kin-3* RNAi (P0 1:2 dilution, F1 1:1 dilution), *kin-10* RNAi (P0 and F1 1:1 dilution), *alg-1* RNAi (P0 vector, F1 1:1 dilution), and both *gfp* and *vector* RNAi (P0 and F1 no dilution). RNAi for LIN-14 western analysis was as follows: *kin-3* RNAi (1 generation, 1:2 dilution), *kin-10* RNAi (1 generation, 1:1 dilution), *alg-1* RNAi (2 generations: P0 at 1:2 and F1 at 1:1), and *lin-14* RNAi (1 generation, 1:1 dilution). RNAi conditions for analysis of *lin-41* and *daf-12* mRNA levels are as follows: *kin-3* RNAi (1 generation, no dilution), *kin-10* RNAi (1 generation, no dilution), *alg-1* RNAi (1 generation, 1:1 dilution). The aforementioned RNAi conditions were also used for GFP::ALG-1 RIP samples with the addition of *gfp* RNAi (1 generation, no dilution). Additional modifications to the standard feeding protocol include: (i) assays with QK005 were grown on vector RNAi for 36 hr, transferred to undiluted RNAi, then scored for ASEL neuron specification as adults, (ii) assays with MT14119 were grown on vector RNAi until the L3 larval stage, then transferred to undiluted RNAi; adults were removed post-egg lay and their eggs scored for viability. *glp-1* RNAi for CGH-1::GFP co-IP experiment was fed from starved L1 to L4 (40h) at 25°C. Adult sterility was verified at 96 hr. Other temperature modifications include: QK005, SD551, and QK039-QK044 were grown at 25°C. MT14119 and parallel experiments with wild-type (N2) were grown at 15°C.

Dauer Induction and Post-Dauer Phenotyping

For *kin-3* RNAi experiments *alg-1(gk214)* embryos isolated by alkaline-hypochlorite embryo extraction were plated directly on RNAi at 20˚C. For continuous development, animals were grown for 2-3 days to reach young adult stage. For post-dauer development post-dauer development, animals were grown on RNAi plates with crude dauer pheromone (81) in parallel to animals in continuous development. After 2-3 days, dauer were picked by morphology to fresh RNAi plates lacking pheromone. These post-dauer larvae were grown for an additional day to reach young adult stage. For comparison between continuous development and post-dauer development in QK039-QK044, strains were maintained at 20˚C. For continuous development, a synchronized population was obtained by an adult egg lay for 3-4 hrs at 20˚C. Adults were removed and progeny were kept at 20˚C for ~30 hrs (until the L2 molt). Larvae were then shifted to 25˚C where they grew for another 40-45 hrs (~24 hrs past L4 molt). For post-dauer development, dauers were selected from populations starved at 20˚C by treatment in 1% SDS for 20 minutes. Dauers were then grown on fresh plates at 25˚C for 48 hrs (~24 hrs past the L4 molt). For analysis of continuous development only QK039-QK044 were kept at 25˚C from adult egg lay. In all cases, each individual was categorized as having either no adult alae, gapped adult alae, or complete adult alae. One side was scored per individual using DIC optics on a Zeiss AxioImager D2 compound microscope.

Immunoprecipitation. The following adaptations of (74) were used to perform immunoprecipitations for mass spectrometry: *C. elegans* homogenates were suspended in lysis buffer (50 mM HEPES pH 7.4, 1 mM EGTA, 1 mM $MgCl_2$, 100 mM KCl, 10% glycerol, 0.05% NP-40 supplemented with Complete, Mini, EDTA-free Protease Inhibitor Cocktail tablet (Roche Applied Sciences), and clarified by centrifugation at 12,000X g for 12 min at 4°C. For immunoprecipitations, primary antibody conjugated to Dynabeads Protein A (Invitrogen) was incubated with homogenates at 4°C for 4 hr, then washed three times with wash buffer (50 mM HEPES pH 7.4, 1 mM EGTA, 1 mM $MgCl_2$, 300 mM KCl, 10% glycerol, 0.05% NP-40 supplemented with Complete, Mini, EDTA-free Protease Inhibitor Cocktail tablet (Roche Applied Sciences). Phosphatase inhibitor (Roche Applied Sciences) was added to lysis and wash buffers for AIN-1 mass

spectrometry and CGH-1 phosphoproteomic mass spectrometry samples. Immunoprecipitated proteins were eluted from beads with three aliquots of 150 µL of 0.1 M glycine, pH 2.6. Eluates were neutralized with 150 µL of 2M Tris-HCl, pH 8.5, combined with 1/5 volume of 100% trichloroacetic acid, and precipitated overnight at 4°C. Proteins were pelleted by centrifugation at 20,000X g for 30 min and washed twice with acetone.

Mass spectrometry. Unless otherwise noted, all chemicals were purchased from Thermo Fisher Scientific (Waltham, MA). Deionized water (18.2 MW, Barnstead, Dubuque, IA) was used for all preparations. Buffer A consists of 5% acetonitrile 0.1% formic acid, buffer B consists of 80% acetonitrile 0.1% formic acid, and buffer C consists of 500 mM ammonium acetate. All buffers were filtered through 0.2 mm membrane filters (PN4454, Pall Life Sciences, Port Washington, NY). Immunoprecipitated protein pellets were dissolved in digestion buffer (0.1% [w/v] Rapigest [Waters Corporation] in 50 mM Ammonium Bicarbonate), and then reduced with TCEP (Tris[2-Carboxyethyl]-Phosphine Hydrochloride), alklyated with iodoacetamide, and digested with trypsin. A MudPIT microcolumn was prepared by first creating a Kasil frit at one end of an undeactivated 250 mm ID/360 mm OD capillary (Agilent Technologies, Inc., Santa Clara, CA). The Kasil frit was prepared by briefly dipping a 20 - 30 cm capillary in well-mixed 300 mL Kasil 1624 (PQ Corporation, Malvern, PA) and 100 mL formamide, curing at 100°C for 4 hrs, and cutting the frit to ~2 mm in length. Strong cation exchange particles (SCX Partisphere, 5 mm dia., 125 Å pores, Whatman) were packed in-house from particle slurries in methanol to 2.5 cm. 2.5 cm reverse phase particles (C18 Aqua, 3 mm dia., 125 Å pores, Phenomenex, Torrance, CA) were then packed into the capillary using the same method as SCX loading, to create a biphasic column. The MudPIT microcolumn was equilibrated using 60% buffer A, 40% buffer B for 5 min followed by 100% buffer A for 15 min. An analytical RPLC column was generated by pulling a 100 mm ID/360 mm OD capillary (Polymicro Technologies, Inc, Phoenix, AZ) to 5 mm ID tip. Reverse phase particles (Aqua C18, 3 mm dia., 125 Å pores, Phenomenex, Torrance, CA) were packed directly into the pulled column at 800 psi until 12 cm long. The column was further packed, washed, and equilibrated with buffer B followed by buffer A. The MudPIT microcolumn was connected to an analytical column

using a zero-dead volume union (Upchurch Scientific (IDEX Health & Science), P-720-01, Oak Harbor, WA). LC-MS/MS analysis was performed using an Eksigent nano-flow pump and a Thermo LTQ-Orbitrap using an in-house built electrospray stage. MudPIT experiments were performed where each step corresponds to 0, 10, 20, 30, 40, 50, 60, 70, 80, 90 and 100% buffer C being run for 5 min at the beginning of each gradient of buffer B. Electrospray was performed directly from the analytical column by applying the ESI voltage at a tee (150 mm ID, Upchurch Scientific) while flowing at 350 nL/min through the columns. Electrospray directly from the LC column was done at 2.5 kV with an inlet capillary temperature of 250 °C. Data-dependent acquisition of MS/MS spectra with the LTQ-Orbitrap were performed with the following settings: MS/MS on the 10 most intense ions per precursor scan, 1 microscan, unassigned and charge state 1 reject; dynamic exclusion repeat count, 1, repeat duration,-30 second; exclusion list size 120; and exclusion duration, 120 second. Tandem mass spectra were extracted from raw files using RawExtract 1.9.9 and were searched against a worm protein database (http://www.wormbase.org) with reversed sequences using ProLuCID. The search space included all fully- and half-tryptic peptide candidates. Carbamidomethylation (+57.02146) of cysteine was considered as a static modification. Peptide candidates were filtered using DTASelect, with filtering parameters listed in the supplementary tables.

SUPPLEMENTAL TABLE LEGENDS

Table S1: Mass spectrometry of AIN-1 complexes

Table S2: Percent lethargus in wild-type (N2) with CK2 RNAi.

Table S3: Percent embryonic lethality in wild-type (N2) with CK2 RNAi.

Table S4: Quantification of mature miRNAs.

Table S5: Mass spectrometry of CGH-1 complexes.

Table S6: Phosphoproteomic analysis of mass spectrometry of CGH-1 complexes.

Table S7: *C. elegans* strains used in this study.

Table S8: Oligos, Probes, and Peptides used in this study.

Figure S1

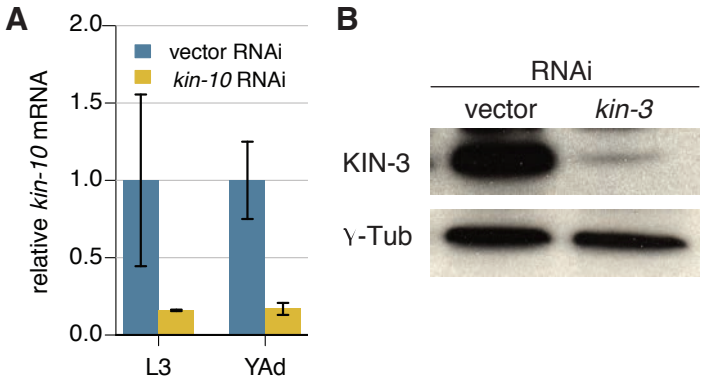
A
2.0
1.5
1.0
0.5
0.0
vector RNAi
kin-10 RNAi
relative kin-10 mRNA
L3
YAd
B
RNAi
vector
kin-3
KIN-3
γ-Tub

Figure S2

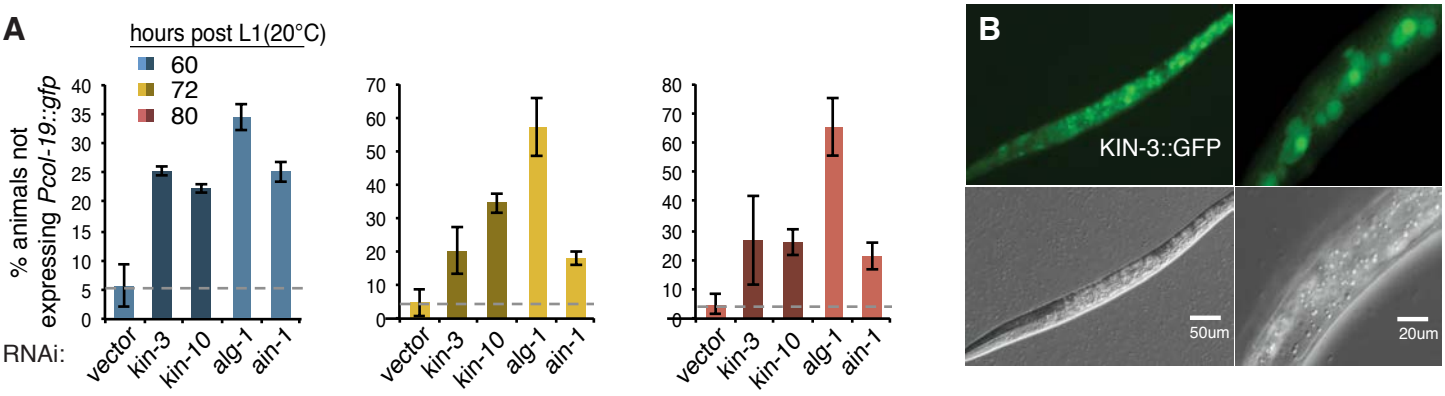
A
hours post L1(20°C)
60
72
80
% animals not expressing Pcol-19::gfp
RNAi:
vector
kin-3
kin-10
alg-1
ain-1
B
KIN-3::GFP
50um
20um

Figure S3

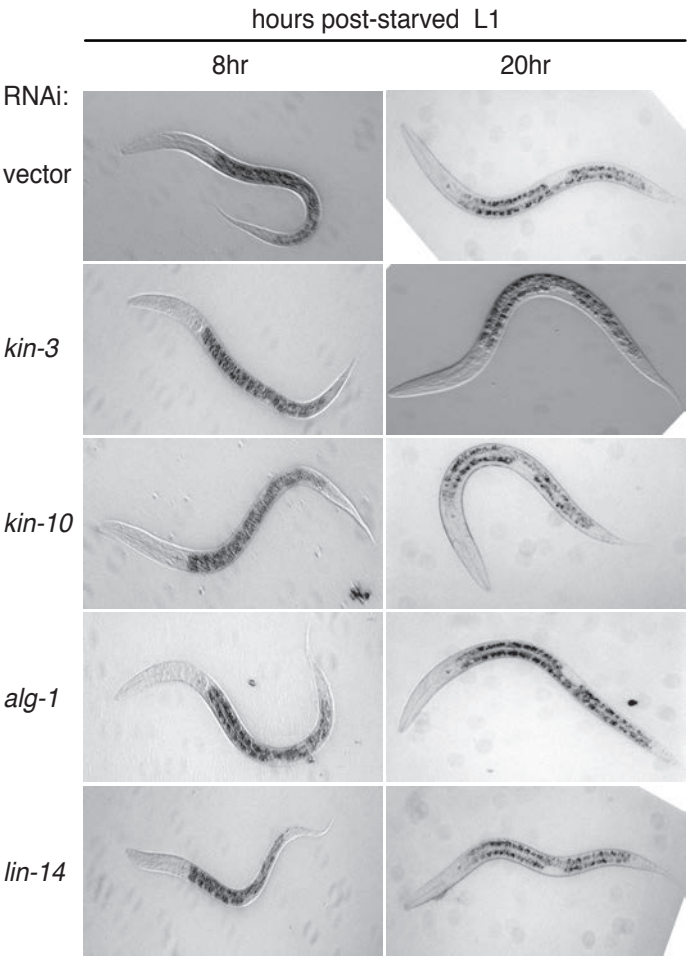
hours post-starved L1
8hr
20hr
RNAi:
vector
kin-3
kin-10
alg-1
lin-14

Figure S4

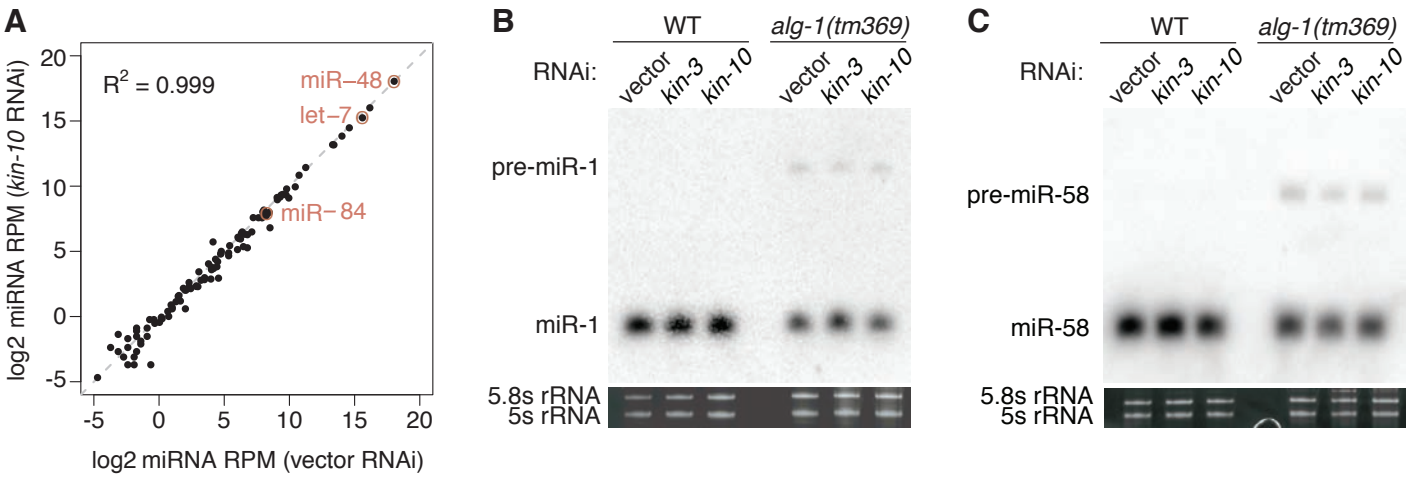
A
B
C
WT
alg-1(tm369)
RNAi:
vector
kin-3
kin-10
pre-miR-1
miR-1
5.8s rRNA
5s rRNA
pre-miR-58
miR-58
R2 = 0.999
miR–48
let–7
miR– 84
log2 miRNA RPM (kin-10 RNAi)
log2 miRNA RPM (vector RNAi)

Figure S5

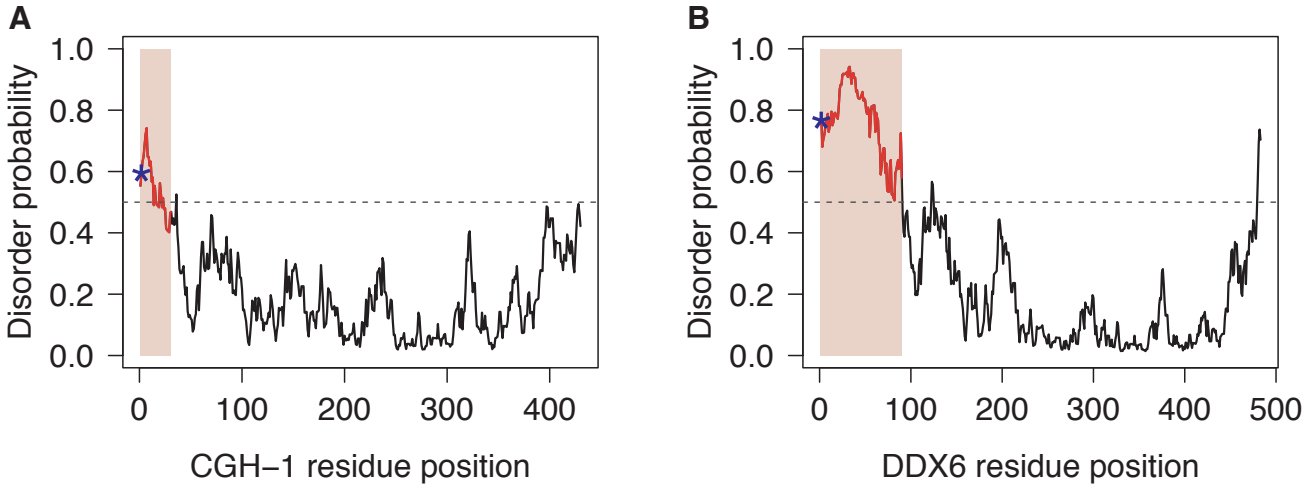
A
Disorder probability
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
CGH–1 residue position
B
Disorder probability
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500
DDX6 residue position

Figure S6

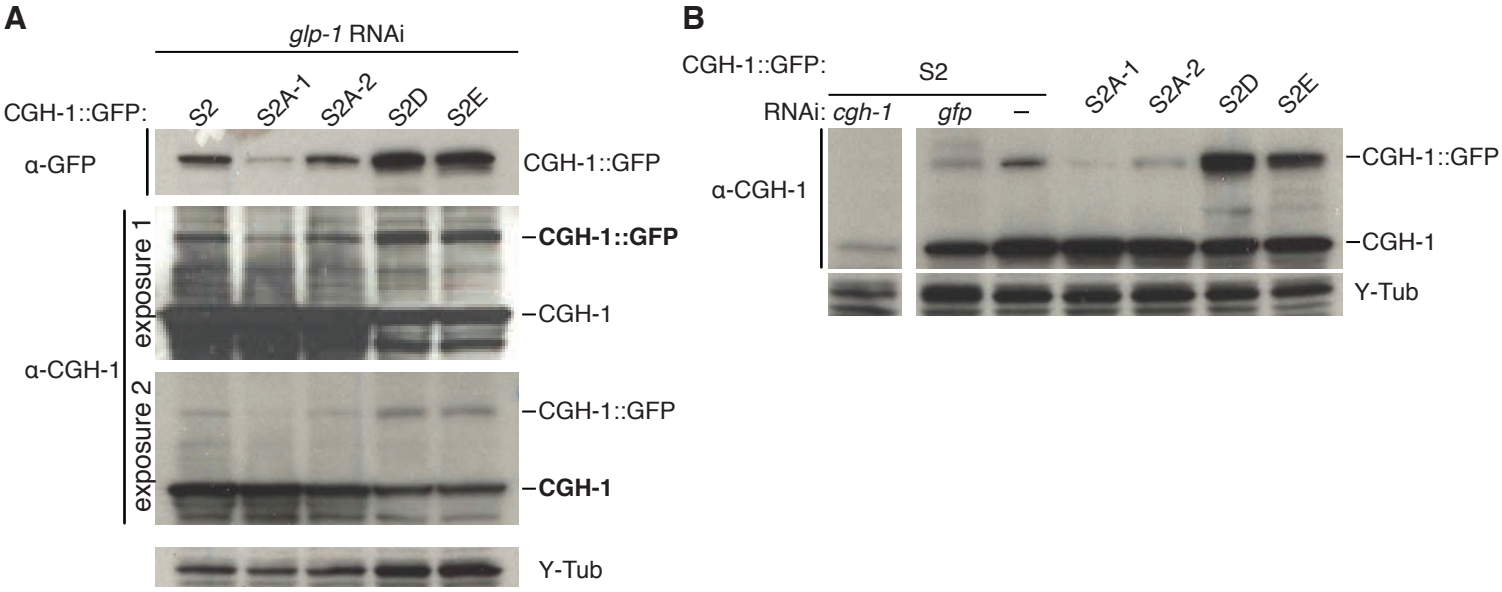
A
glp-1 RNAi
CGH-1::GFP:
S2
S2A-1
S2A-2
S2D
S2E
α-GFP
CGH-1::GFP
exposure 1
CGH-1::GFP
CGH-1
α-CGH-1
exposure 2
CGH-1::GFP
CGH-1
Y-Tub
B
CGH-1::GFP:
S2
RNAi:
cgh-1
gfp
–
S2A-1
S2A-2
S2D
S2E
α-CGH-1
CGH-1::GFP
CGH-1
Y-Tub

Figure S7

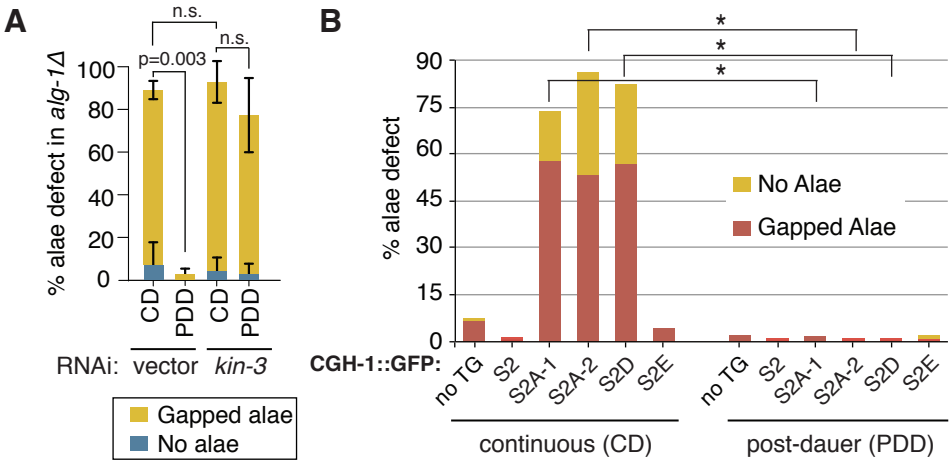
A
n.s.
n.s.
p=0.003
% alae defect in alg-1Δ
100
80
60
40
20
0
CD
PDD
CD
PDD
RNAi: vector kin-3
Gapped alae
No alae
B
*
*
*
90
75
60
45
30
15
0
% alae defect
No Alae
Gapped Alae
CGH-1::GFP:
no TG
S2
S2A-1
S2A-2
S2D
S2E
no TG
S2
S2A-1
S2A-2
S2D
S2E
continuous (CD)
post-dauer (PDD)

Table S1

Instrument	Filtering parameter
LTQ	-p 1 -y 1 --trypstat --pfp 0.01 --modstat --extra --pI --DB --dm -in --brief --quiet
Orbitrap	-p 1 -y 1 --trypstat --pfp 0.01 --modstat --extra --pI -DM 10 --DB --dm -in --brief --quiet

Mass spectrometry of AIN-1 complexes in adults

Accession	Peptide counts				Spectral counts				Sequence coverage				Protein	Total spectral counts	
	WT LTQ	*ain-1 (tm3681)* LTQ	WT orbitrap	*ain-1 (tm3681)* orbitrap	WT LTQ	*ain-1 (tm3681)* LTQ	WT orbitrap	*ain-1 (tm3681)* orbitrap	WT LTQ	*ain-1 (tm3681)* LTQ	WT orbitrap	*ain-1 (tm3681)* orbitrap		WT	*ain-1* (tm3681)
F48F7.1	28	0	24	0	66	0	51	0	26.90%	0	30.10%	0	ALG-1	117	0
T07D3.7	19	0	19	0	45	0	30	0	20.10%	0	26.90%	0	ALG-2	75	0
C06G1.4	23	7	20	13	45	8	23	16	36.00%	15.30%	33.10%	25.60%	AIN-1	68	24
C07H6.5	8	1	0	0	33	1	0	0	20.50%	4.90%	0	0	CGH-1	33	1
T01G9.6	**2**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**12.00%**	**0**	**0**	**0**	**KIN-10**	**2**	**0**
F56D12.5	1	0	0	0	2	0	0	0	4.20%	0	0	0	VIG-1	2	0
B0205.7	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**3.60%**	**0**	**3.60%**	**0**	**KIN-3**	**2**	**0**
F41E6.2	0	1	0	1	0	1	0	1	0	16.70%	0	12.70%	CE10246 WBGene00001694 locus:grd-5 status:Confirmed TR:O16462 p	0	2
F26D12.1a	0	0	0	2	0	0	0	2	0	0	0	4.20%	CE36294 WBGene00001439 locus:fkh-7 status:Partially_confirmed TR:Q	0	2
T28D6.4	0	1	0	0	0	2	0	0	0	1.10%	0	0	CE16523 WBGene00012124 Ank repeat (8 domains) status:Partially_con	0	2
H20J18.1b	0	0	0	2	0	0	0	2	0	0	0	4.60%	CE31554 WBGene00004739 locus:scd-1 status:Confirmed TR:Q8MQ12	0	2
H20J18.1a	0	0	0	2	0	0	0	2	0	0	0	4.40%	CE18818 WBGene00004739 locus:scd-1 status:Confirmed TR:Q9XXK5 p	0	2
F35H10.1	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001904 locus:his-30 histone H2A status:Predicted S	0	1
K06C4.3	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001895 locus:his-21 histone H2A status:Predicted S	0	1
F31D4.3	0	1	0	0	0	1	0	0	0	4.20%	0	0	CE15929 WBGene00001431 locus:fkb-6 FKBP-type peptidyl-prolyl cis-tra	0	1
H02I12.7	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001939 locus:his-65 Core histones H2A, H2B, H3 a	0	1
T10C6.12	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001877 locus:his-3 histone H2A status:Partially_con	0	1
ZK131.6	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001886 locus:his-12 histone H2A status:Predicted S	0	1
C05D10.1b	0	0	0	1	0	0	0	1	0	0	0	4.20%	CE30420 WBGene00015477 status:Partially_confirmed TR:Q8T3F6 prot	0	1
C05D10.1c	0	0	0	1	0	0	0	1	0	0	0	3.90%	CE37698 WBGene00015477 status:Partially_confirmed TR:Q5TYM0 pro	0	1
C05D10.1a	0	0	0	1	0	0	0	1	0	0	0	3.40%	CE24783 WBGene00015477 status:Partially_confirmed SW:Q11178 prot	0	1
B0035.7	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001921 locus:his-47 histone H2A status:Confirmed	0	1
C50F4.13	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE05477 WBGene00001909 locus:his-35 histone H2A status:Confirmed	0	1
C06G1.1	0	1	0	0	0	1	0	0	0	1.90%	0	0	CE27054 WBGene00015545 status:Partially_confirmed TR:Q17743 prot	0	1
F54E12.5	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001931 locus:his-57 histone H2A status:Predicted S	0	1
F52B5.6	0	1	0	0	0	1	0	0	0	8.90%	0	0	CE05721 WBGene00004439 locus:rpl-25.2 60S ribosomal protein status:	0	1
F55G1.10	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001935 locus:his-61 Histone status:Partially_confirr	0	1
Y59H11AR.2b	0	1	0	0	0	1	0	0	0	1.20%	0	0	CE33894 WBGene00022010 status:Partially_confirmed TR:Q86FP2 prot	0	1
Y59H11AR.2a	0	1	0	0	0	1	0	0	0	1.20%	0	0	CE29894 WBGene00022010 status:Partially_confirmed TR:Q9N323 prot	0	1
F26D12.1c	0	0	0	1	0	0	0	1	0	0	0	6.90%	CE36296 WBGene00001439 locus:fkh-7 status:Partially_confirmed TR:Q	0	1
F26D12.1b	0	0	0	1	0	0	0	1	0	0	0	2.20%	CE36295 WBGene00001439 locus:fkh-7 status:Confirmed TR:Q86ME9 p	0	1
ZK1098.1	0	1	0	0	0	1	0	0	0	2.20%	0	0	CE03847 WBGene00014218 WW\rsp5\WWP domain containing protein	0	1
Y87G2A.3	0	1	0	0	0	1	0	0	0	4.50%	0	0	CE23129 WBGene00013595 status:Partially_confirmed TR:Q9NA30 prot	0	1
K06C4.11	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001893 locus:his-19 histone H2A status:Predicted S	0	1
F54E7.5	0	1	0	0	0	1	0	0	0	4.30%	0	0	CE01316 WBGene00018828 locus:sdz-21 status:Partially_confirmed TR:	0	1
C16A3.9	0	1	0	0	0	1	0	0	0	7.90%	0	0	CE04009 WBGene00004482 locus:rps-13 40S ribosomal protein S13 sta	0	1
F23C8.6	0	1	0	0	0	1	0	0	0	6.30%	0	0	CE20715 WBGene00017735 status:Confirmed TR:Q9TXI3 protein_id:AA	0	1
Reverse_T22B7.7	0	1	0	0	0	1	0	0	0	5.10%	0	0	CE13952 WBGene00020674 status:Partially_confirmed TR:Q23044 prot	0	1
C44B7.10	0	0	0	1	0	0	0	1	0	0	0	3.20%	CE32326 WBGene00016630 status:Confirmed TR:Q18599 protein_id:AA	0	1
F07B7.3	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001927 locus:his-53 status:Predicted SW:P09588 p	0	1
F45F2.4	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001881 locus:his-7 histone H2A status:Predicted SV	0	1
Y105E8B.1e	0	1	0	0	0	1	0	0	0	3.50%	0	0	CE31733 WBGene00002978 locus:lev-11 status:Partially_confirmed SW:	0	1
Y105E8B.1c	0	1	0	0	0	1	0	0	0	3.50%	0	0	CE29059 WBGene00002978 locus:lev-11 status:Partially_confirmed SW:	0	1
Y71H2AM.16	0	1	0	0	0	1	0	0	0	2.50%	0	0	CE22949 WBGene00022181 status:Partially_confirmed TR:Q9BL40 prot	0	1
ZK484.2a	0	1	0	0	0	1	0	0	0	2.10%	0	0	CE27353 WBGene00001819 locus:haf-9 transporter protein status:Confir	0	1
ZK1151.1e	0	0	0	1	0	0	0	1	0	0	0	0.50%	CE36461 WBGene00006876 locus:vab-10 status:Partially_confirmed TR:	0	1
ZK1151.1d	0	0	0	1	0	0	0	1	0	0	0	0.50%	CE36460 WBGene00006876 locus:vab-10 status:Partially_confirmed TR:	0	1
ZK1151.1f	0	0	0	1	0	0	0	1	0	0	0	0.50%	CE36462 WBGene00006876 locus:vab-10 status:Partially_confirmed TR:	0	1
ZK1151.1a	0	0	0	1	0	0	0	1	0	0	0	0.50%	CE35150 WBGene00006876 locus:vab-10 status:Confirmed TR:O18290	0	1
ZK1151.1h	0	0	0	1	0	0	0	1	0	0	0	0.50%	CE39998 WBGene00006876 locus:vab-10 status:Partially_confirmed TR:	0	1
C42D4.1	0	1	0	0	0	1	0	0	0	6.80%	0	0	CE04189 WBGene00016594 status:Confirmed TR:Q18577 protein_id:AA	0	1
ZK512.1	0	1	0	0	0	1	0	0	0	7.50%	0	0	CE41494 WBGene00013982 status:Confirmed SW:P34639 protein_id:CA	0	1

F43G9.5	0	1	0	0	0	1	0	0	0	7.90%	0	0	CE10362 WBGene00009668 status:Confirmed TR:Q93716 protein_id:CA	0	1
H28G03.4	0	1	0	0	0	1	0	0	0	3.10%	0	0	CE11604 WBGene00019252 transposase status:Predicted TR:Q9TXP4 p	0	1
T21D12.4	0	1	0	0	0	1	0	0	0	4.00%	0	0	CE18268 WBGene00003932 locus:pat-6 status:Confirmed SW:O16785 p	0	1
T24C12.3	0	0	0	1	0	0	0	1	0	0	0	2.20%	CE31247 WBGene00020765 status:Partially_confirmed TR:Q22721 prote	0	1
F55D10.2	0	1	0	0	0	1	0	0	0	8.80%	0	0	CE02777 WBGene00004438 locus:rpl-25.1 Ribosomal protein L23 status	0	1
Y45F10D.12	0	0	0	1	0	0	0	1	0	0	0	9.00%	CE16650 WBGene00004430 locus:rpl-18 Eukaryotic ribosomal protein L1	0	1
F31D5.3c	0	0	0	1	0	0	0	1	0	0	0	7.00%	CE31797 WBGene00006495 locus:tag-149 status:Partially_confirmed TR	0	1
F07B7.10	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001925 locus:his-51 status:Predicted SW:P09588 p	0	1
ZK131.10	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001890 locus:his-16 histone H2A status:Partially_co	0	1
F56A6.4	0	1	0	0	0	1	0	0	0	5.00%	0	0	CE34319 WBGene00018923 status:Partially_confirmed TR:Q9GZG5 pro	0	1
Y74C10AR.1	0	1	0	0	0	1	0	0	0	3.40%	0	0	CE30325 WBGene00001232 locus:eif-3.I status:Partially_confirmed TR:C	0	1
Reverse_Y14H12B.2	0	0	0	1	0	0	0	1	0	0	0	1.70%	CE21366 WBGene00021192 status:Confirmed TR:Q9TYP8 protein_id:AA	0	1
F08G2.2	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001917 locus:his-43 Core histones H2A, H2B, H3 a	0	1
F17E9.13	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001907 locus:his-33 status:Predicted SW:P09588 p	0	1
F39B2.4a	0	1	0	0	0	1	0	0	0	1.10%	0	0	CE28023 WBGene00006349 locus:sur-2 SUR-2 PROTEIN status:Confirm	0	1
F39B2.4b	0	1	0	0	0	1	0	0	0	1.10%	0	0	CE28024 WBGene00006349 locus:sur-2 status:Confirmed SW:Q10669 p	0	1
T23D8.6	0	0	0	1	0	0	0	1	0	0	0	18.10%	CE04501 WBGene00001942 locus:his-68 histone H2A status:Confirmed	0	1
Y48G8AL.8a	0	0	0	1	0	0	0	1	0	0	0	5.30%	CE22195 WBGene00004429 locus:rpl-17 status:Confirmed TR:Q9BL19 p	0	1
DY3.1	0	1	0	0	0	1	0	0	0	16.70%	0	0	CE15745 WBGene00006574 locus:tin-13 status:Confirmed SW:O45319 p	0	1
F52E1.7a	1	0	0	0	1	0	0	0	8.70%	0	0	0	CE04635 WBGene00002021 locus:hsp-17 heat shock protein status:Con	1	0
F52E1.7b	1	0	0	0	1	0	0	0	8.80%	0	0	0	CE35323 WBGene00002021 locus:hsp-17 status:Confirmed TR:Q7JP52	1	0
Y57G11C.10b	0	0	1	0	0	0	1	0	0	0	4.10%	0	CE39445 WBGene00001558 locus:gdi-1 status:Partially_confirmed TR:Q	1	0
Y57G11C.10a	0	0	1	0	0	0	1	0	0	0	4.30%	0	CE14944 WBGene00001558 locus:gdi-1 GDI-1 GDP dissociation inhibito	1	0
C46G7.4b	0	0	1	0	0	0	1	0	0	0	2.70%	0	CE08781 WBGene00004112 locus:pqn-22 status:Partially_confirmed TR:	1	0
Y67D8C.10a	1	0	0	0	1	0	0	0	1.50%	0	0	0	CE28372 WBGene00003153 locus:mca-3 status:Partially_confirmed TR:(	1	0
Y67D8C.10b	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE28373 WBGene00003153 locus:mca-3 status:Partially_confirmed TR:(	1	0
Y67D8C.10c	1	0	0	0	1	0	0	0	1.50%	0	0	0	CE31664 WBGene00003153 locus:mca-3 status:Partially_confirmed TR:(	1	0
F56F3.5	0	0	1	0	0	0	1	0	0	0	3.90%	0	CE00664 WBGene00004470 locus:rps-1 Ribosomal protein S3a (human)	1	0
F56D2.1	1	0	0	0	1	0	0	0	3.40%	0	0	0	CE11226 WBGene00018963 locus:ucr-1 Mitochondrial processing protea	1	0
Y106G6H.3	1	0	0	0	1	0	0	0	8.00%	0	0	0	CE20413 WBGene00004444 locus:rpl-30 status:Partially_confirmed TR:C	1	0
F25H5.3b	1	0	0	0	1	0	0	0	1.80%	0	0	0	CE15899 WBGene00009126 Pyruvate kinase status:Confirmed TR:O178	1	0
F25H5.3a	1	0	0	0	1	0	0	0	2.00%	0	0	0	CE15898 WBGene00009126 Pyruvate kinase status:Confirmed TR:O178	1	0
F25H5.3d	1	0	0	0	1	0	0	0	2.00%	0	0	0	CE37832 WBGene00009126 Pyruvate kinase status:Confirmed TR:Q3S1	1	0
F25H5.3c	1	0	0	0	1	0	0	0	2.10%	0	0	0	CE36135 WBGene00009126 status:Confirmed TR:Q7JL40 protein_id:CA	1	0
C02F5.9	1	0	0	0	1	0	0	0	5.40%	0	0	0	CE26745 WBGene00003952 locus:pbs-6 Proteasome component C5 sta	1	0
C06C3.7	1	0	0	0	1	0	0	0	13.30%	0	0	0	CE00888 WBGene00007377 status:Partially_confirmed TR:Q17714 prote	1	0
F56D5.6	1	0	0	0	1	0	0	0	4.20%	0	0	0	CE33797 WBGene00010150 status:Partially_confirmed TR:Q20881 prote	1	0
Reverse_F40G9.5	1	0	0	0	1	0	0	0	1.80%	0	0	0	CE19852 WBGene00018241 status:Partially_confirmed TR:Q9TZ72 prote	1	0
F28A10.6	1	0	0	0	1	0	0	0	4.60%	0	0	0	CE19411 WBGene00017874 acyl-coA dehydrogenase status:Partially_co	1	0
ZK669.4	1	0	0	0	1	0	0	0	3.10%	0	0	0	CE01115 WBGene00014054 lipoamide acyltransferase status:Confirmed	1	0
T28D9.10	0	0	1	0	0	0	1	0	0	0	15.90%	0	CE02065 WBGene00004916 locus:snr-3 small nuclear ribonucleoprotein	1	0
F41C3.5	1	0	0	0	1	0	0	0	2.60%	0	0	0	CE02733 WBGene00018271 Serine carboxypeptidase status:Confirmed	1	0
T04H1.7	1	0	0	0	1	0	0	0	2.70%	0	0	0	CE31984 WBGene00011452 locus:ugt-55 UDP-sugartransferase status:P	1	0
Y53C10A.12	1	0	0	0	1	0	0	0	2.80%	0	0	0	CE22380 WBGene00002004 locus:hsf-1 HSF-type DNA-binding domain	1	0
C42C1.2	1	0	0	0	1	0	0	0	4.90%	0	0	0	CE36275 WBGene00016580 protein phosphatase status:Partially_confirm	1	0
T02H6.11	1	0	0	0	1	0	0	0	11.50%	0	0	0	CE21147 WBGene00020181 ubiquinol-cytochrome c reductase complex	1	0
R09E10.7	1	0	0	0	1	0	0	0	1.00%	0	0	0	CE37845 WBGene00004140 locus:pqn-55 status:Partially_confirmed TR	1	0
B0403.4	1	0	0	0	1	0	0	0	4.10%	0	0	0	CE03880 WBGene00015168 locus:tag-320 protein disulfide-isomerase st	1	0
W02F12.5	1	0	0	0	1	0	0	0	4.50%	0	0	0	CE31083 WBGene00020950 dihydrolipoamide succinyltransferase status	1	0
F37E3.3	1	0	0	0	1	0	0	0	5.00%	0	0	0	CE09999 WBGene00018158 status:Partially_confirmed TR:O01765 prote	1	0
T09A5.8	1	0	0	0	1	0	0	0	3.50%	0	0	0	CE01089 WBGene00011636 chromosomal organisation modifier protein	1	0
C06A1.1	1	0	0	0	1	0	0	0	1.90%	0	0	0	CE02114 WBGene00007352 locus:cdc-48.1 transitional endoplasmic reti	1	0
C54G4.3	1	0	0	0	1	0	0	0	5.70%	0	0	0	CE05509 WBGene00008313 status:Partially_confirmed TR:Q18848 prote	1	0
W04B5.3c	0	0	1	0	0	0	1	0	0	0	4.20%	0	CE32738 WBGene00021020 status:Confirmed TR:Q8ITW2 protein_id:AA	1	0
W04B5.3b	0	0	1	0	0	0	1	0	0	0	3.50%	0	CE30200 WBGene00021020 status:Confirmed TR:Q8WSM4 protein_id:A	1	0
W04B5.3a	0	0	1	0	0	0	1	0	0	0	3.50%	0	CE29362 WBGene00021020 status:Confirmed TR:Q9UA61 protein_id:AA	1	0
F59A2.3	1	0	0	0	1	0	0	0	4.70%	0	0	0	CE17940 WBGene00010303 Splicing factor-associated 32K chain status	1	0
F23F12.6	1	0	0	0	1	0	0	0	4.60%	0	0	0	CE01253 WBGene00004503 locus:rpt-3 status:Confirmed SW:P46502 pr	1	0
C23G10.2a	0	0	1	0	0	0	1	0	0	0	13.50%	0	CE37747 WBGene00016011 status:Confirmed SW:Q10121 protein_id:AA	1	0
C23G10.2c	0	0	1	0	0	0	1	0	0	0	16.80%	0	CE37748 WBGene00016011 status:Confirmed SW:Q10121 protein_id:AA	1	0
C23G10.2b	0	0	1	0	0	0	1	0	0	0	16.00%	0	CE30613 WBGene00016011 status:Confirmed SW:Q10121 protein_id:AA	1	0
Y67D2.6	1	0	0	0	1	0	0	0	1.20%	0	0	0	CE27311 WBGene00022056 status:Partially_confirmed SW:Q9BKQ8 pro	1	0
F29F11.6	0	0	1	0	0	0	1	0	0	0	5.20%	0	CE20735 WBGene00001747 locus:gsp-1 serine\/threonine protein phosp	1	0

F23B12.5	0	0	1	0	0	0	1	0	0	0	2.40%	0	CE09597 WBGene00009082 dihyrolipoamide acetyltransferase compone	1	0
R05D3.7	1	0	0	0	1	0	0	0	2.00%	0	0	0	CE26945 WBGene00006840 locus:unc-116 Kinesin heavy chain status:C	1	0
T05E11.1	0	0	1	0	0	0	1	0	0	0	9.50%	0	CE06360 WBGene00004474 locus:rps-5 40S ribosomal protein S5 status	1	0
C09B8.6b	1	0	0	0	1	0	0	0	6.80%	0	0	0	CE33558 WBGene00002023 locus:hsp-25 status:Confirmed TR:Q86GU1	1	0
C09B8.6a	1	0	0	0	1	0	0	0	6.40%	0	0	0	CE02466 WBGene00002023 locus:hsp-25 Small heat shock protein statu	1	0
C39F7.4	0	0	1	0	0	0	1	0	0	0	9.30%	0	CE16905 WBGene00004266 locus:rab-1 RAS-related protein status:Con	1	0
C06E7.3a	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE03959 WBGene00015540 S-adenosylmethionine synthetase status:Pa	1	0
C06E7.3b	1	0	0	0	1	0	0	0	2.80%	0	0	0	CE33517 WBGene00015540 status:Partially_confirmed TR:Q86NI4 prote	1	0
C06E7.1a	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE03957 WBGene00015538 S-adenosylmethionine synthetase status:C	1	0
C06E7.1d	1	0	0	0	1	0	0	0	5.80%	0	0	0	CE33515 WBGene00015538 status:Confirmed TR:Q86NI3 protein_id:AA	1	0
Y80D3A.7	1	0	0	0	1	0	0	0	2.40%	0	0	0	CE23110 WBGene00004236 locus:ptr-22 status:Predicted TR:Q9U1R3 p	1	0
F55G1.13	1	0	0	0	1	0	0	0	2.80%	0	0	0	CE07289 WBGene00018906 status:Partially_confirmed TR:Q20852 prote	1	0
C07G1.5	1	0	0	0	1	0	0	0	1.50%	0	0	0	CE32574 WBGene00004101 locus:hgrs-1 status:Confirmed TR:Q17796 p	1	0
F47B10.1	1	0	0	0	1	0	0	0	2.10%	0	0	0	CE03351 WBGene00009812 succinate-CoA ligase status:Confirmed SW	1	0
F49C12.3	0	0	1	0	0	0	1	0	0	0	3.70%	0	CE40764 WBGene00009873 status:Predicted TR:Q20581 protein_id:CA/	1	0
F57B9.6a	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE01341 WBGene00002083 locus:inf-1 status:Confirmed SW:P27639 pr	1	0
F57B9.6b	1	0	0	0	1	0	0	0	8.70%	0	0	0	CE38524 WBGene00002083 locus:inf-1 status:Confirmed SW:P27639 pr	1	0
F45G2.4	1	0	0	0	1	0	0	0	4.10%	0	0	0	CE16047 WBGene00009732 status:Confirmed SW:O62246 protein_id:CA	1	0
C18C4.10a	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE27362 WBGene00002215 locus:klc-2 kinesin light chain status:Confirr	1	0
C18C4.10d	1	0	0	0	1	0	0	0	2.40%	0	0	0	CE36917 WBGene00002215 locus:klc-2 status:Confirmed SW:P46822 pr	1	0
C18C4.10c	1	0	0	0	1	0	0	0	2.60%	0	0	0	CE32803 WBGene00002215 locus:klc-2 status:Confirmed SW:P46822 pr	1	0
C18C4.10b	1	0	0	0	1	0	0	0	2.40%	0	0	0	CE32802 WBGene00002215 locus:klc-2 status:Confirmed SW:P46822 pr	1	0
F56E10.4	1	0	0	0	1	0	0	0	9.60%	0	0	0	CE19904 WBGene00004496 locus:rps-27 ribosomal protein status:Confi	1	0
ZK1248.7	0	0	1	0	0	0	1	0	0	0	6.10%	0	CE02907 WBGene00022877 status:Predicted TR:Q23415 protein_id:AA(	1	0
C41C4.8	1	0	0	0	1	0	0	0	1.90%	0	0	0	CE05402 WBGene00008053 locus:cdc-48.2 P97 protein status:Confirme	1	0
T27E9.1a	1	0	0	0	1	0	0	0	2.70%	0	0	0	CE14263 WBGene00006439 locus:tag-61 ADP\ATP carrier protein status	1	0
T27E9.1b	1	0	0	0	1	0	0	0	6.20%	0	0	0	CE33843 WBGene00006439 locus:tag-61 status:Confirmed TR:Q86CZ9	1	0
T27E9.1c	1	0	0	0	1	0	0	0	3.90%	0	0	0	CE33844 WBGene00006439 locus:tag-61 status:Confirmed TR:Q86CZ8	1	0
F01G10.1	1	0	0	0	1	0	0	0	2.90%	0	0	0	CE09163 WBGene00008506 transketolase status:Confirmed TR:O17759	1	0
W04D2.1a	1	0	0	0	1	0	0	0	1.70%	0	0	0	CE06539 WBGene00000228 locus:atn-1 alpha-actinin status:Confirmed T	1	0
W04D2.1b	1	0	0	0	1	0	0	0	1.80%	0	0	0	CE21256 WBGene00000228 locus:atn-1 status:Confirmed TR:Q9XVU8 p	1	0
C12C8.3b	1	0	0	0	1	0	0	0	1.10%	0	0	0	CE27063 WBGene00003026 locus:lin-41 status:Partially_confirmed SW:(	1	0
C12C8.3a	1	0	0	0	1	0	0	0	1.10%	0	0	0	CE27062 WBGene00003026 locus:lin-41 status:Confirmed SW:Q9U489	1	0
K04G7.10	1	0	0	0	1	0	0	0	8.70%	0	0	0	CE30443 WBGene00004390 locus:rnp-7 SN-RNP U1 status:Confirmed T	1	0
F46E10.10a	1	0	0	0	1	0	0	0	5.10%	0	0	0	CE20820 WBGene00018491 lactate dehydrogenase status:Confirmed TF	1	0
F46E10.10b	1	0	0	0	1	0	0	0	6.20%	0	0	0	CE33096 WBGene00018491 status:Confirmed TR:Q8IA49 protein_id:AA	1	0
F40F4.5	0	0	1	0	0	0	1	0	0	0	4.60%	0	CE30131 WBGene00006535 locus:tba-9 tubulin beta chain status:Partial	1	0
H28O16.1b	1	0	0	0	1	0	0	0	10.30%	0	0	0	CE34194 WBGene00010419 status:Confirmed SW:Q9XXK1 protein_id:C	1	0
Y71F9B.4	1	0	0	0	1	0	0	0	16.90%	0	0	0	CE22871 WBGene00004920 locus:snr-7 small nuclear ribonucleoprotein	1	0
F21H12.6	1	0	0	0	1	0	0	0	0.70%	0	0	0	CE01917 WBGene00017686 Tripeptidyl-peptidase II status:Partially_conf	1	0
B0303.3	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE00561 WBGene00015125 Acetyl-coa acetyltransferase status:Confirm	1	0
T21B10.2a	1	0	0	0	1	0	0	0	3.50%	0	0	0	CE03684 WBGene00011884 locus:enol-1 enolase status:Confirmed SW:	1	0
T21B10.2c	1	0	0	0	1	0	0	0	3.20%	0	0	0	CE36954 WBGene00011884 locus:enol-1 status:Confirmed SW:Q27527	1	0
T21B10.2b	1	0	0	0	1	0	0	0	4.50%	0	0	0	CE32730 WBGene00011884 locus:enol-1 status:Confirmed SW:Q27527	1	0
F57A8.2a	1	0	0	0	1	0	0	0	3.40%	0	0	0	CE31547 WBGene00010178 status:Confirmed TR:Q20913 protein_id:CA	1	0
F57A8.2b	1	0	0	0	1	0	0	0	3.20%	0	0	0	CE39508 WBGene00010178 status:Confirmed TR:Q2PJ77 protein_id:CA	1	0
ZK892.1b	1	0	0	0	1	0	0	0	6.70%	0	0	0	CE18468 WBGene00002266 locus:lec-3 galactoside-binding lectin status	1	0
ZK892.1a	1	0	0	0	1	0	0	0	6.40%	0	0	0	CE24743 WBGene00002266 locus:lec-3 galactoside-binding lectin status	1	0
F09C8.2	1	0	0	0	1	0	0	0	1.30%	0	0	0	CE03178 WBGene00008622 status:Confirmed TR:O01299 protein_id:CA	1	0
C36B1.4	1	0	0	0	1	0	0	0	5.50%	0	0	0	CE05371 WBGene00003925 locus:pas-4 proteasome A-type submit statu	1	0
Y22D7AL.5	0	0	1	0	0	0	1	0	0	0	3.00%	0	CE27244 WBGene00002025 locus:hsp-60 status:Confirmed SW:P50140	1	0
F25H2.11	1	0	0	0	1	0	0	0	5.50%	0	0	0	CE09656 WBGene00009122 locus:tct-1 TCTP protein status:Confirmed S	1	0
ZK892.1d	1	0	0	0	1	0	0	0	6.10%	0	0	0	CE32782 WBGene00002266 locus:lec-3 status:Confirmed TR:Q8I4A4 pr	1	0
ZK892.1c	1	0	0	0	1	0	0	0	8.60%	0	0	0	CE32781 WBGene00002266 locus:lec-3 status:Confirmed TR:Q8I4A5 pr	1	0
Y38A10A.5	1	0	0	0	1	0	0	0	5.30%	0	0	0	CE21562 WBGene00000802 locus:crt-1 calreticulin precursor status:Con	1	0
C15B12.5b	1	0	0	0	1	0	0	0	2.80%	0	0	0	CE29667 WBGene00001517 locus:gar-1 status:Confirmed SW:Q18007 p	1	0
C15B12.5a	1	0	0	0	1	0	0	0	2.90%	0	0	0	CE29666 WBGene00001517 locus:gar-1 Muscarinic acetycholine recepto	1	0
R186.7	1	0	0	0	1	0	0	0	3.60%	0	0	0	CE27772 WBGene00011308 status:Confirmed TR:Q95ZQ5 protein_id:CA	1	0
C15B12.5c	1	0	0	0	1	0	0	0	3.20%	0	0	0	CE29668 WBGene00001517 locus:gar-1 status:Confirmed SW:Q18007 p	1	0
F46A9.5	0	0	1	0	0	0	1	0	0	0	10.80%	0	CE10580 WBGene00004807 locus:skr-1 cyclin A\CDK2-associated prote	1	0
ZK593.1	1	0	0	0	1	0	0	0	2.10%	0	0	0	CE24731 WBGene00014001 pyruvate kinase status:Confirmed TR:Q235	1	0
R01H10.3a	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE00590 WBGene00000768 locus:cor-1 Coronin (beta transducin) status	1	0
R01H10.3b	1	0	0	0	1	0	0	0	2.80%	0	0	0	CE30350 WBGene00000768 locus:cor-1 Coronin (beta transducin) status	1	0

R01H10.3c	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE30351 WBGene00000768 locus:cor-1 Coronin (beta transducin) status	1	0
R01H10.3d	1	0	0	0	1	0	0	0	3.00%	0	0	0	CE30352 WBGene00000768 locus:cor-1 Coronin (beta transducin) status	1	0
T05C3.5	1	0	0	0	1	0	0	0	4.30%	0	0	0	CE13229 WBGene00001037 locus:dnj-19 DNAJ-like protein status:Confi	1	0
F59B8.2	1	0	0	0	1	0	0	0	2.90%	0	0	0	CE03436 WBGene00010317 isocitrate dehydrogenase status:Confirmed	1	0
F40E10.3	1	0	0	0	1	0	0	0	2.60%	0	0	0	CE05839 WBGene00000822 locus:csq-1 calsequestrin like status:Confir	1	0
ZC518.2	1	0	0	0	1	0	0	0	1.20%	0	0	0	CE32286 WBGene00004756 locus:sec-24.2 Yeast YIK9 like status:Partia	1	0
H43I07.2	1	0	0	0	1	0	0	0	3.60%	0	0	0	CE29979 WBGene00019275 transferase status:Confirmed TR:Q9UAY9 p	1	0
ZK652.4	1	0	0	0	1	0	0	0	8.10%	0	0	0	CE00450 WBGene00004449 locus:rpl-35 60S ribosomal protein L35 stat	1	0
B0393.1	1	0	0	0	1	0	0	0	5.80%	0	0	0	CE00854 WBGene00004469 locus:rps-0 40S ribosomal protein status:Co	1	0
C17H12.3	1	0	0	0	1	0	0	0	2.90%	0	0	0	CE16864 WBGene00015929 protein-tyrosine phosphatase status:Partiall	1	0
T08D2.1	1	0	0	0	1	0	0	0	10.20%	0	0	0	CE21168 WBGene00011606 emp24/gp25L/p24 family status:Predicted	1	0
Y41E3.11	1	0	0	0	1	0	0	0	0.90%	0	0	0	CE18379 WBGene00012769 status:Partially_confirmed TR:Q9U2H8 prot	1	0
F58H1.2	1	0	0	0	1	0	0	0	7.40%	0	0	0	CE06026 WBGene00010285 status:Partially_confirmed TR:Q21011 prote	1	0
C05E4.9b	1	0	0	0	1	0	0	0	1.60%	0	0	0	CE32565 WBGene00001564 locus:gei-7 status:Confirmed TR:Q8IA71 pr	1	0
C06H2.1	1	0	0	0	1	0	0	0	9.40%	0	0	0	CE15602 WBGene00007385 locus:atp-5 ATP synthase D chain status:Co	1	0
F21G4.6	1	0	0	0	1	0	0	0	0.70%	0	0	0	CE37360 WBGene00009027 status:Partially_confirmed TR:Q93547 prote	1	0
ZK418.9b	1	0	0	0	1	0	0	0	3.10%	0	0	0	CE34457 WBGene00022738 status:Confirmed TR:Q7Z145 protein_id:AA	1	0
ZK418.9a	1	0	0	0	1	0	0	0	2.90%	0	0	0	CE28190 WBGene00022738 possible RNA binding protein status:Confirm	1	0
ZK721.2	1	0	0	0	1	0	0	0	4.10%	0	0	0	CE40008 WBGene00006764 locus:unc-27 troponin I status:Confirmed SV	1	0
Y45G12B.1c	1	0	0	0	1	0	0	0	2.70%	0	0	0	CE33341 WBGene00021562 locus:nuo-5 status:Partially_confirmed TR:Q	1	0
Y45G12B.1a	1	0	0	0	1	0	0	0	2.30%	0	0	0	CE21933 WBGene00021562 locus:nuo-5 NADH-ubiquinone reductase st	1	0
R13A5.3	1	0	0	0	1	0	0	0	8.60%	0	0	0	CE01375 WBGene00020047 status:Partially_confirmed TR:Q95Y92 prot	1	0
C49F5.1	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE08852 WBGene00008205 locus:sams-1 s-adenosylmethionine synthe	1	0
F16D3.1	0	0	1	0	0	0	1	0	0	0	4.70%	0	CE09434 WBGene00006531 locus:tba-5 tubulin status:Partially_confirme	1	0
F58D5.7	1	0	0	0	1	0	0	0	5.40%	0	0	0	CE25024 WBGene00010246 status:Confirmed TR:Q9NLC7 protein_id:CA	1	0
Y79H2A.3a	1	0	0	0	1	0	0	0	0.80%	0	0	0	CE23092 WBGene00013580 status:Partially_confirmed TR:Q9U1R8 prot	1	0
R12H7.2	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE03567 WBGene00000217 locus:asp-4 aspartyl protease status:Confir	1	0
T28C6.9	1	0	0	0	1	0	0	0	0.80%	0	0	0	CE40137 WBGene00044793 status:Partially_confirmed TR:Q1NZ30 prot	1	0
F32H2.5	1	0	0	0	1	0	0	0	0.60%	0	0	0	CE09880 WBGene00009342 locus:fasn-1 fatty acid synthase status:Parti	1	0
F32H2.9	1	0	0	0	1	0	0	0	1.90%	0	0	0	CE34484 WBGene00006532 locus:tba-6 tubulin alpha chain status:Confi	1	0
W01A11.4	1	0	0	0	1	0	0	0	6.20%	0	0	0	CE14396 WBGene00002273 locus:lec-10 galaptin (S-lectin) status:Confir	1	0
C55B7.4b	0	0	1	0	0	0	1	0	0	0	9.50%	0	CE32840 WBGene00016943 locus:acdh-1 status:Confirmed TR:Q8IAB6	1	0
C49H3.5b	1	0	0	0	1	0	0	0	2.60%	0	0	0	CE30505 WBGene00003827 locus:ntl-4 status:Partially_confirmed TR:Q8	1	0
C49H3.5a	1	0	0	0	1	0	0	0	2.00%	0	0	0	CE27872 WBGene00003827 locus:ntl-4 zinc-finger transcription regulato	1	0
B0041.4	0	0	1	0	0	0	1	0	0	0	4.30%	0	CE07669 WBGene00004415 locus:rpl-4 ribosomal protein L1 status:Conf	1	0
Y38A8.2	1	0	0	0	1	0	0	0	7.40%	0	0	0	CE07571 WBGene00003949 locus:pbs-3 Peptidase status:Confirmed SV	1	0
Y73B3A.18b	0	0	1	0	0	0	1	0	0	0	5.50%	0	CE31261 WBGene00022219 status:Partially_confirmed TR:Q8MXR8 pro	1	0
Y73B3A.18a	0	0	1	0	0	0	1	0	0	0	4.70%	0	CE27328 WBGene00022219 status:Partially_confirmed TR:Q95XE4 prot	1	0
T13A10.11a	1	0	0	0	1	0	0	0	2.50%	0	0	0	CE30175 WBGene00006416 locus:tag-32 S-adenosylmethionine synthet	1	0
T13A10.11b	1	0	0	0	1	0	0	0	2.80%	0	0	0	CE31726 WBGene00006416 locus:tag-32 status:Confirmed SW:Q27522	1	0
Reverse_B0238.1	0	0	1	0	0	0	1	0	0	0	3.10%	0	CE07691 WBGene00015067 carboxylesterase status:Partially_confirmed	1	0
M01F1.2	1	0	0	0	1	0	0	0	4.00%	0	0	0	CE01030 WBGene00004428 locus:rpl-16 L13P family ribosomal protein s	1	0
F25G6.2	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE30764 WBGene00017797 status:Partially_confirmed TR:O16929 prote	1	0
F49E10.5	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE29966 WBGene00006424 locus:ctbp-1 dehydrogenase status:Partially	1	0
W09C2.3a	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE32951 WBGene00003151 locus:mca-1 calcium ATPase, isoform a stat	1	0
W09C2.3b	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE25154 WBGene00003151 locus:mca-1 calcium ATPase, isoform b stat	1	0
W09C2.3c	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE03800 WBGene00003151 locus:mca-1 calcium ATPase, isoform c stat	1	0
T05F1.3	1	0	0	0	1	0	0	0	8.90%	0	0	0	CE13265 WBGene00004488 locus:rps-19 Ribosomal protein S19e status	1	0
C10G6.1b	1	0	0	0	1	0	0	0	2.60%	0	0	0	CE37193 WBGene00015680 status:Partially_confirmed TR:Q65ZH5 prot	1	0
C10G6.1a	1	0	0	0	1	0	0	0	2.60%	0	0	0	CE27677 WBGene00015680 status:Partially_confirmed TR:Q17902 prote	1	0
F15A4.8a	1	0	0	0	1	0	0	0	1.50%	0	0	0	CE15845 WBGene00008842 chitinase status:Partially_confirmed TR:O17	1	0
F15A4.8b	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE32863 WBGene00008842 status:Partially_confirmed TR:Q8I123 prote	1	0
T13C2.6b	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE36568 WBGene00020481 status:Confirmed TR:Q7JP80 protein_id:AA	1	0
T13C2.6a	1	0	0	0	1	0	0	0	1.40%	0	0	0	CE36567 WBGene00020481 status:Confirmed TR:Q7JP81 protein_id:AA	1	0
C10F3.5b	1	0	0	0	1	0	0	0	6.40%	0	0	0	CE41195 WBGene00003954 locus:pcm-1 status:Confirmed	1	0
C10F3.5a	1	0	0	0	1	0	0	0	6.20%	0	0	0	CE08070 WBGene00003954 locus:pcm-1 L-isoaspartyl/D-aspartyl methy	1	0
C05G5.4	1	0	0	0	1	0	0	0	3.70%	0	0	0	CE05227 WBGene00007350 succinyl-CoA synthetase status:Confirmed	1	0
Y60A3A.9	1	0	0	0	1	0	0	0	8.10%	0	0	0	CE24533 WBGene00013360 status:Confirmed TR:Q9U1Z4 protein_id:CA	1	0
Y105E8A.16	1	0	0	0	1	0	0	0	14.50%	0	0	0	CE29835 WBGene00004489 locus:rps-20 status:Confirmed TR:Q8WQA8	1	0
F55B11.4	1	0	0	0	1	0	0	0	13.10%	0	0	0	CE16119 WBGene00010086 status:Confirmed TR:O17890 protein_id:CA	1	0
Y18D10A.1	1	0	0	0	1	0	0	0	1.00%	0	0	0	CE21397 WBGene00012474 status:Partially_confirmed TR:Q9XW25 pro	1	0
F08G2.7	1	0	0	0	1	0	0	0	3.20%	0	0	0	CE19779 WBGene00008578 status:Partially_confirmed TR:Q9XVA2 prot	1	0
Y38F1A.1	1	0	0	0	1	0	0	0	4.80%	0	0	0	CE32962 WBGene00012605 status:Confirmed TR:Q9XWM5 protein_id:C	1	0

T07A9.11	1	0	0	0	1	0	0	0	10.70%	0	0	0	CE40119 WBGene00004493 locus:rps-24 ribosomal protein status:Confir	1	0
M02F4.8	1	0	0	0	1	0	0	0	5.20%	0	0	0	CE34058 WBGene00000175 locus:aqp-7 MIP family protein status:Confi	1	0
T25F10.6a	1	0	0	0	1	0	0	0	3.40%	0	0	0	CE07537 WBGene00020808 calponin-like protein status:Confirmed TR:C	1	0
F39B2.10	1	0	0	0	1	0	0	0	3.20%	0	0	0	CE16015 WBGene00001030 locus:dnj-12 DnaJ, prokaryotic heat shock p	1	0
D2096.8	0	0	1	0	0	0	1	0	0	0	6.60%	0	CE04306 WBGene00017075 status:Confirmed TR:Q19007 protein_id:AA	1	0
F22G12.1	1	0	0	0	1	0	0	0	3.10%	0	0	0	CE39571 WBGene00009061 status:Predicted TR:O45395 protein_id:CAE	1	0
Y71A12B.10	0	0	1	0	0	0	1	0	0	0	2.00%	0	CE26237 WBGene00013507 status:Partially_confirmed TR:Q9GRV1 pro	1	0
F22B7.5a	1	0	0	0	1	0	0	0	2.60%	0	0	0	CE24911 WBGene00001028 locus:dnj-10 status:Confirmed SW:Q8TA83	1	0
F22B7.5b	1	0	0	0	1	0	0	0	2.70%	0	0	0	CE27991 WBGene00001028 locus:dnj-10 status:Confirmed SW:Q8TA83	1	0
F55F8.4	1	0	0	0	1	0	0	0	3.20%	0	0	0	CE11194 WBGene00018892 locus:cir-1 status:Confirmed TR:P91342 pro	1	0
F56C9.1	0	0	1	0	0	0	1	0	0	0	5.10%	0	CE01319 WBGene00001748 locus:gsp-2 status:Confirmed SW:P48727 p	1	0
C46G7.4c	1	0	1	0	1	0	1	0	1.20%	0	1.70%	0	CE37214 WBGene00004112 locus:pqn-22 status:Partially_confirmed TR:	2	0
C46G7.4a	1	0	1	0	1	0	1	0	0.90%	0	1.40%	0	CE08780 WBGene00004112 locus:pqn-22 status:Partially_confirmed TR:	2	0
K02F2.2	2	0	0	0	2	0	0	0	6.20%	0	0	0	CE17154 WBGene00019322 S-adenosylhomocysteine hydrolase status:(	2	0
K01C8.10	2	0	0	0	2	0	0	0	7.00%	0	0	0	CE02262 WBGene00000379 locus:cct-4 T-complex protein status:Confir	2	0
Y65B4BR.5a	2	0	0	0	2	0	0	0	13.80%	0	0	0	CE22740 WBGene00022042 status:Confirmed SW:Q86S66 protein_id:AA	2	0
Y65B4BR.5b	2	0	0	0	2	0	0	0	13.70%	0	0	0	CE33239 WBGene00022042 status:Confirmed SW:Q86S66 protein_id:AA	2	0
F20B6.2	1	0	0	0	2	0	0	0	2.40%	0	0	0	CE04424 WBGene00006921 locus:vha-12 vacuolar ATP synthase (strong	2	0
K10B3.10	2	0	0	0	2	0	0	0	1.20%	0	0	0	CE07373 WBGene00004951 locus:spc-1 spectrin alpha chain status:Part	2	0
R12E2.13	2	0	0	0	2	0	0	0	13.10%	0	0	0	CE18145 WBGene00020038 status:Confirmed TR:O61793 protein_id:AA	2	0
Y106G6G.1	2	0	0	0	2	0	0	0	6.50%	0	0	0	CE23211 WBGene00013710 status:Partially_confirmed TR:Q23311 prote	2	0
C34F11.3c	2	0	0	0	2	0	0	0	3.50%	0	0	0	CE39332 WBGene00016415 status:Confirmed TR:Q2V4S6 protein_id:AE	2	0
C34F11.3a	2	0	0	0	2	0	0	0	3.80%	0	0	0	CE33034 WBGene00016415 AMP deaminase status:Confirmed TR:Q184	2	0
C34F11.3b	2	0	0	0	2	0	0	0	3.70%	0	0	0	CE33035 WBGene00016415 status:Confirmed TR:Q95ZX5 protein_id:AA	2	0
F44E5.4	1	0	1	0	1	0	1	0	2.00%	0	2.00%	0	CE18679 WBGene00009691 Heat shock hsp70 proteins status:Partially_	2	0
F44E5.5	1	0	1	0	1	0	1	0	2.00%	0	2.00%	0	CE18679 WBGene00009692 Heat shock hsp70 proteins status:Partially_	2	0
Y43F8B.1b	1	0	1	0	1	0	1	0	6.40%	0	6.40%	0	CE32016 WBGene00012812 status:Confirmed TR:Q8I4D3 protein_id:CA	2	0
R119.4	1	0	1	0	1	0	1	0	2.20%	0	2.20%	0	CE23925 WBGene00004143 locus:pqn-59 status:Confirmed TR:O61708	2	0
F54H12.6	1	0	0	0	2	0	0	0	6.10%	0	0	0	CE00548 WBGene00018846 Elongation factor 1 status:Confirmed SW:P3	2	0
D2085.1	2	0	0	0	2	0	0	0	1.20%	0	0	0	CE03105 WBGene00004259 locus:pyr-1 glutamine-dependent carbamoy	2	0
Y82E9BR.15	2	0	0	0	2	0	0	0	24.20%	0	0	0	CE27039 WBGene00001236 locus:elc-1 status:Confirmed TR:Q9BKS1 p	2	0
F46F11.2	0	0	2	0	0	0	2	0	0	0	13.10%	0	CE10598 WBGene00000473 locus:cey-2 status:Confirmed TR:P91306 p	2	0
Y18D10A.17	1	0	0	0	2	0	0	0	5.60%	0	0	0	CE21413 WBGene00012484 locus:car-1 status:Confirmed TR:Q9XW17 p	2	0
C12C8.1	1	0	1	0	1	0	1	0	2.00%	0	2.00%	0	CE08110 WBGene00002026 locus:hsp-70 heat shock protein 70 status:F	2	0
C34G6.7b	1	0	1	0	1	0	1	0	4.80%	0	4.80%	0	CE32816 WBGene00004109 locus:pqn-19 status:Confirmed TR:Q8I7I2 p	2	0
C34G6.7a	1	0	1	0	1	0	1	0	4.20%	0	4.20%	0	CE29700 WBGene00004109 locus:pqn-19 status:Confirmed TR:O01498	2	0
E04A4.8	0	0	2	0	0	0	2	0	0	0	15.00%	0	CE21392 WBGene00004432 locus:rpl-20 ribosomal protein status:Confir	2	0
Y66H1A.4	1	0	1	0	1	0	1	0	6.60%	0	6.60%	0	CE36757 WBGene00022046 nucleolar protein required for pre-rRNA spli	2	0
C05E4.9a	2	0	0	0	2	0	0	0	2.70%	0	0	0	CE23521 WBGene00001564 locus:gei-7 isocitrate lyase status:Confirmed	2	0
T23G11.3	1	0	1	0	1	0	1	0	3.00%	0	5.40%	0	CE14096 WBGene00001595 locus:gld-1 female germline-specific tumor s	2	0
Y71A12B.1	1	0	0	0	2	0	0	0	6.10%	0	0	0	CE24592 WBGene00004475 locus:rps-6 40S ribosomal protein S6 status	2	0
R31.1	2	0	0	0	2	0	0	0	0.70%	0	0	0	CE27773 WBGene00004855 locus:sma-1 spectrin beta chain status:Part	2	0
C49H3.11	2	0	0	0	2	0	0	0	8.10%	0	0	0	CE04237 WBGene00004471 locus:rps-2 status:Confirmed SW:P51403 p	2	0
C55B7.4a	0	0	2	0	0	0	2	0	0	0	9.40%	0	CE09015 WBGene00016943 locus:acdh-1 acyl-CoA dehydrogenase stat	2	0
B0250.1	2	0	0	0	2	0	0	0	8.10%	0	0	0	CE18478 WBGene00004413 locus:rpl-2 Ribosomal Proteins L2 status:Co	2	0
C27A2.2a	1	0	1	0	1	0	1	0	8.50%	0	8.50%	0	CE04102 WBGene00004434 locus:rpl-22 ribosomal protein L22 status:Co	2	0
Y41E3.10a	1	0	0	0	2	0	0	0	4.90%	0	0	0	CE37568 WBGene00012768 Elongation factor 1 (beta\/delta chain) statu	2	0
F54E2.3b	2	0	0	0	2	0	0	0	0.90%	0	0	0	CE28729 WBGene00004130 locus:ketn-1 status:Confirmed TR:Q965G2	2	0
F54E2.3a	2	0	0	0	2	0	0	0	0.80%	0	0	0	CE30078 WBGene00004130 locus:ketn-1 status:Partially_confirmed	2	0
F54E2.3d	2	0	0	0	2	0	0	0	0.80%	0	0	0	CE30808 WBGene00004130 locus:ketn-1 status:Partially_confirmed TR:(	2	0
F54E2.3c	2	0	0	0	2	0	0	0	0.80%	0	0	0	CE30807 WBGene00004130 locus:ketn-1 status:Partially_confirmed TR:(	2	0
F32B6.4	2	0	1	0	2	0	1	0	12.60%	0	6.30%	0	CE20742 WBGene00009321 status:Confirmed TR:O45432 protein_id:CA	3	0
F38B2.1a	1	0	2	0	1	0	2	0	2.10%	0	5.20%	0	CE31506 WBGene00002050 locus:ifa-1 intermediate filament protein sta	3	0
F38B2.1b	1	0	2	0	1	0	2	0	2.10%	0	5.20%	0	CE31507 WBGene00002050 locus:ifa-1 intermediate filament protein sta	3	0
F38B2.1c	1	0	2	0	1	0	2	0	2.10%	0	5.30%	0	CE05824 WBGene00002050 locus:ifa-1 status:Confirmed TR:Q0G822 pr	3	0
Y24D9A.4c	1	0	2	0	1	0	2	0	4.90%	0	10.60%	0	CE30401 WBGene00004419 locus:rpl-7A status:Confirmed SW:Q966C6	3	0
Y24D9A.4a	1	0	2	0	1	0	2	0	4.50%	0	9.80%	0	CE27398 WBGene00004419 locus:rpl-7A status:Confirmed SW:Q966C6	3	0
R07E5.14	1	0	2	0	1	0	2	0	13.40%	0	27.50%	0	CE01044 WBGene00004387 locus:rnp-4 RNA binding domain status:Con	3	0
K10C8.3a	2	0	1	0	2	0	1	0	7.90%	0	3.60%	0	CE31969 WBGene00010736 Human KIIAA0174 protein like status:Confir	3	0
K10C8.3c	2	0	1	0	2	0	1	0	8.10%	0	3.70%	0	CE06169 WBGene00010736 status:Confirmed TR:A5Z2T2 protein_id:CA	3	0
B0365.3	3	0	0	0	3	0	0	0	5.00%	0	0	0	CE07721 WBGene00001137 locus:eat-6 Na(+)\/K(+) ATPase alpha subur	3	0
JC8.3a	2	0	1	0	2	0	1	0	17.00%	0	7.90%	0	CE17986 WBGene00004424 locus:rpl-12 Ribosomal protein L11 status:C	3	0
H28O16.1c	2	0	1	0	2	0	1	0	5.40%	0	4.40%	0	CE34195 WBGene00010419 status:Confirmed SW:Q9XXK1 protein_id:C	3	0

F25H2.10	2	0	1	0	2	0	1	0	9.60%	0	3.80%	0	CE09655 WBGene00004408 locus:rpa-0 deoxyribonuclease status:Confi	3	0
F17C11.9a	2	0	0	0	3	0	0	0	8.50%	0	0	0	CE05656 WBGene00008920 elongation factor 1-gamma status:Confirme	3	0
F17C11.9c	2	0	0	0	3	0	0	0	9.30%	0	0	0	CE39492 WBGene00008920 status:Confirmed TR:Q2PJ76 protein_id:CA	3	0
F17C11.9b	2	0	0	0	3	0	0	0	9.10%	0	0	0	CE32385 WBGene00008920 status:Confirmed TR:Q8I4K9 protein_id:CA	3	0
C14B1.1	1	0	1	0	2	0	1	0	4.70%	0	3.30%	0	CE00897 WBGene00003962 locus:pdi-1 protein disulfide isomerase statu	3	0
Y22F5A.5	1	0	1	0	2	0	1	0	6.80%	0	5.40%	0	CE16606 WBGene00003091 locus:lys-2 status:Confirmed TR:O62416 pr	3	0
R08B4.1a	3	0	0	0	3	0	0	0	3.70%	0	0	0	CE34080 WBGene00001690 locus:grd-1 groundhog status:Partially_conf	3	0
R08B4.1b	3	0	0	0	3	0	0	0	3.60%	0	0	0	CE34081 WBGene00001690 locus:grd-1 groundhog status:Partially_conf	3	0
F25B5.4c	1	0	0	0	4	0	0	0	3.00%	0	0	0	CE31915 WBGene00006727 locus:ubq-1 status:Confirmed TR:Q8MYQ4	4	0
F25B5.4a	1	0	0	0	4	0	0	0	1.90%	0	0	0	CE01921 WBGene00006727 locus:ubq-1 status:Confirmed	4	0
C44B11.3	1	0	2	0	2	0	2	0	4.00%	0	8.70%	0	CE24843 WBGene00003175 locus:mec-12 alpha tubulin status:Confirme	4	0
F39B2.6	1	0	1	0	2	0	2	0	12.80%	0	12.80%	0	CE16012 WBGene00004495 locus:rps-26 40S ribosomal protein S26 sta	4	0
F37C12.11	1	0	0	0	4	0	0	0	20.50%	0	0	0	CE30779 WBGene00004490 locus:rps-21 Ribosomal protein S21 status:	4	0
ZK1010.1	1	0	0	0	4	0	0	0	12.50%	0	0	0	CE15495 WBGene00006728 locus:ubq-2 UBQ-2 ubiquitin\; 60S Ribosom	4	0
W09H1.6b	3	0	1	0	3	0	1	0	16.50%	0	3.50%	0	CE16577 WBGene00002264 locus:lec-1 galectin status:Confirmed TR:O	4	0
W09H1.6a	3	0	1	0	3	0	1	0	16.80%	0	3.60%	0	CE16576 WBGene00002264 locus:lec-1 galectin status:Confirmed SW:P	4	0
M142.5	2	0	1	0	3	0	1	0	12.00%	0	5.30%	0	CE37539 WBGene00010922 status:Confirmed TR:Q21541 protein_id:CA	4	0
Y73B6BL.6b	3	0	0	0	4	0	0	0	14.30%	0	0	0	CE38662 WBGene00022235 locus:sqd-1 status:Confirmed TR:Q4W5P0	4	0
Y73B6BL.6a	3	0	0	0	4	0	0	0	14.40%	0	0	0	CE29008 WBGene00022235 locus:sqd-1 status:Confirmed TR:Q8MXR6	4	0
Reverse_F55A12.4a	1	0	0	0	4	0	0	0	3.50%	0	0	0	CE26924 WBGene00000966 locus:dhs-2 dehydrogenase status:Partially	4	0
Reverse_F55A12.4c	1	0	0	0	4	0	0	0	3.80%	0	0	0	CE11123 WBGene00000966 locus:dhs-2 status:Partially_confirmed TR:Q	4	0
F09E5.15	3	0	0	0	4	0	0	0	20.50%	0	0	0	CE32361 WBGene00006434 locus:prdx-2 status:Confirmed TR:Q8IG31 p	4	0
C44B12.5	1	0	2	0	1	0	4	0	3.50%	0	8.60%	0	CE16921 WBGene00016638 status:Partially_confirmed TR:O44144 prote	5	0
C44B12.1	2	0	2	0	3	0	2	0	14.30%	0	14.80%	0	CE27850 WBGene00016636 status:Confirmed TR:O44145 protein_id:AA	5	0
K08H10.1	3	0	2	0	3	0	2	0	5.50%	0	4.00%	0	CE18875 WBGene00002263 locus:lea-1 status:Confirmed TR:O16527 pr	5	0
Y42H9AR.1	2	0	3	0	2	0	4	0	4.30%	0	10.10%	0	CE25278 WBGene00021536 status:Partially_confirmed TR:Q9N3Y1 prot	6	0
F55D12.2	4	0	3	0	5	0	3	0	7.00%	0	6.60%	0	CE32439 WBGene00010111 status:Partially_confirmed TR:Q20833 prote	8	0
Y106G6H.4	1	1	0	0	1	1	0	0	5.60%	5.60%	0	0	CE20414 WBGene00013717 status:Partially_confirmed TR:Q9XWS3 pro	1	1
ZK899.4	1	0	0	1	1	0	0	1	2.00%	0	0	4.60%	CE37468 WBGene00006534 locus:tba-8 tubulin alpha chain status:Partia	1	1
Y71F9AL.13b	0	1	1	0	0	1	1	0	0	8.40%	8.40%	0	CE28379 WBGene00004412 locus:rpl-1 status:Confirmed TR:Q95Y46 pr	1	1
F43E2.8	0	0	1	1	0	0	1	1	0	0	2.30%	2.30%	CE07244 WBGene00002008 locus:hsp-4 heat shock protein status:Partia	1	1
F46H5.3a	1	1	0	0	1	1	0	0	4.00%	3.50%	0	0	CE37112 WBGene00018519 arginine kinase status:Confirmed SW:Q104	1	1
F46H5.3b	1	1	0	0	1	1	0	0	4.50%	3.90%	0	0	CE33098 WBGene00018519 status:Confirmed SW:Q10454 protein_id:AA	1	1
R03G5.1a	1	0	0	1	1	0	0	1	2.80%	0	0	2.80%	CE01270 WBGene00001169 locus:eft-4 elongation factor EF-1-alpha sta	1	1
R03G5.1d	1	0	0	1	1	0	0	1	3.00%	0	0	3.00%	CE33155 WBGene00001169 locus:eft-4 status:Confirmed TR:Q86NF5 pr	1	1
T05E11.3	1	1	0	0	1	1	0	0	1.20%	1.60%	0	0	CE06362 WBGene00011480 endoplasmin precursor (GRP94) status:Cor	1	1
F57A8.1	0	0	1	1	0	0	1	1	0	0	7.40%	7.40%	CE34035 WBGene00010177 ETS domain status:Partially_confirmed TR:	1	1
W08E12.7	1	1	0	0	1	1	0	0	3.30%	3.30%	0	0	CE21275 WBGene00021088 peptidase status:Confirmed TR:Q9N5B3 pr	1	1
F52D10.3a	0	1	1	0	0	1	1	0	0	5.20%	5.20%	0	CE03389 WBGene00001502 locus:ftt-2 14-3-3 protein status:Confirmed	1	1
F52D10.3b	0	1	1	0	0	1	1	0	0	6.60%	6.60%	0	CE36489 WBGene00001502 locus:ftt-2 status:Confirmed TR:Q95ZT1 pro	1	1
F31E3.5	1	0	0	1	1	0	0	1	2.80%	0	0	2.80%	CE01270 WBGene00001168 locus:eft-3 Elongation factor 1-alpha status:	1	1
C37C3.6c	0	1	1	0	0	1	1	0	0	1.20%	1.20%	0	CE30735 WBGene00016498 locus:ppn-1 status:Partially_confirmed SW:	1	1
C37C3.6a	0	1	1	0	0	1	1	0	0	1.20%	1.20%	0	CE17535 WBGene00016498 locus:ppn-1 protease inhibitor status:Partial	1	1
C37C3.6b	0	1	1	0	0	1	1	0	0	0.80%	0.80%	0	CE17536 WBGene00016498 locus:ppn-1 protease inhibitor status:Partial	1	1
R02F11.3a	1	1	0	0	1	1	0	0	2.40%	2.40%	0	0	CE36883 WBGene00019841 status:Partially_confirmed TR:O16365 prote	1	1
R02F11.3b	1	1	0	0	1	1	0	0	2.20%	2.20%	0	0	CE37658 WBGene00019841 status:Partially_confirmed TR:Q5ZR77 prot	1	1
K11C4.3a	1	1	0	0	1	1	0	0	0.80%	0.80%	0	0	CE28604 WBGene00006803 locus:unc-70 spectrin beta chain status:Cor	1	1
K11C4.3b	1	1	0	0	1	1	0	0	0.70%	0.80%	0	0	CE30159 WBGene00006803 locus:unc-70 status:Confirmed TR:Q95ZL8	1	1
F10G7.10a	1	0	0	1	1	0	0	1	0.70%	0	0	0.80%	CE39718 WBGene00017373 status:Partially_confirmed TR:Q1W0R7 pro	1	1
F10G7.10b	1	0	0	1	1	0	0	1	0.80%	0	0	0.90%	CE39719 WBGene00017373 status:Partially_confirmed TR:Q1W0R6 pro	1	1
F10G7.10c	1	0	0	1	1	0	0	1	0.80%	0	0	0.90%	CE39720 WBGene00017373 status:Partially_confirmed TR:Q1W0R5 pro	1	1
F31D5.3a	1	0	0	1	1	0	0	1	1.50%	0	0	3.10%	CE19827 WBGene00006495 locus:tag-149 status:Partially_confirmed TR	1	1
F31D5.3d	1	0	0	1	1	0	0	1	2.00%	0	0	4.30%	CE31798 WBGene00006495 locus:tag-149 status:Partially_confirmed TR	1	1
F31D5.3b	1	0	0	1	1	0	0	1	1.40%	0	0	3.10%	CE19828 WBGene00006495 locus:tag-149 status:Partially_confirmed TR	1	1
C37H5.8	1	1	0	0	1	1	0	0	1.80%	1.80%	0	0	CE08631 WBGene00002010 locus:hsp-6 heat shock 70 protein status:Pa	1	1
C36E6.3	0	0	2	1	0	0	2	1	0	0	22.40%	11.80%	CE34269 WBGene00003369 locus:mlc-1 status:Confirmed SW:P19625 p	2	1
C36E6.5	0	0	2	1	0	0	2	1	0	0	22.40%	11.80%	CE20542 WBGene00003370 locus:mlc-2 status:Confirmed SW:P19626 p	2	1
C07A12.4c	1	1	1	0	1	1	1	0	3.80%	3.80%	3.00%	0	CE40737 WBGene00003963 locus:pdi-2 status:Confirmed TR:A3RMS2 p	2	1
Y65B4A.6	1	1	1	0	1	1	1	0	2.50%	3.30%	2.80%	0	CE34419 WBGene00022029 status:Partially_confirmed TR:Q9BL61 prot	2	1
T26A5.9	2	0	0	1	2	0	0	1	24.70%	0	0	24.70%	CE00788 WBGene00001005 locus:dlc-1 status:Confirmed SW:Q22799 p	2	1
ZC477.9c	2	1	0	0	2	1	0	0	3.60%	1.50%	0	0	CE31398 WBGene00000942 locus:deb-1 status:Confirmed TR:Q8MPS2	2	1
ZC477.9a	2	1	0	0	2	1	0	0	3.60%	1.50%	0	0	CE31396 WBGene00000942 locus:deb-1 status:Confirmed SW:P19826 p	2	1
C56C10.8	1	0	1	1	1	0	1	1	11.80%	0	11.80%	11.80%	CE02573 WBGene00002045 locus:icd-1 Transcription factor BTF3 (huma	2	1

F33D11.10	1	1	1	0	1	1	1	0	2.50%	3.30%	2.80%	0	CE09901 WBGene00018007 intiation factor\rhelicase status:Confirmed T	2	1
K08H10.2a	1	1	1	0	1	1	1	0	3.60%	3.60%	3.60%	0	CE31359 WBGene00010695 status:Confirmed TR:Q9XTH4 protein_id:C/	2	1
K08H10.2b	1	1	1	0	1	1	1	0	3.20%	3.20%	3.20%	0	CE37843 WBGene00010695 status:Partially_confirmed TR:Q9XVV2 prot	2	1
F54C9.5	2	1	0	0	2	1	0	0	10.90%	3.10%	0	0	CE02255 WBGene00004416 locus:rpl-5 60S ribosomal protein L5 status:	2	1
C44F1.3	1	0	1	1	1	0	1	1	4.90%	0	4.90%	4.90%	CE02163 WBGene00002267 locus:lec-4 galactoside binding lectin status	2	1
F40F11.1	2	0	0	1	2	0	0	1	6.50%	0	0	6.50%	CE05860 WBGene00004480 locus:rps-11 ribosomal protein S11 status:C	2	1
Y105E8B.1a	2	1	0	0	2	1	0	0	7.40%	3.20%	0	0	CE28782 WBGene00002978 locus:lev-11 status:Partially_confirmed SW:	2	1
Y105E8B.1b	2	1	0	0	2	1	0	0	10.90%	4.70%	0	0	CE36223 WBGene00002978 locus:lev-11 status:Partially_confirmed SW:	2	1
Y105E8B.1d	2	1	0	0	2	1	0	0	7.40%	3.20%	0	0	CE29060 WBGene00002978 locus:lev-11 status:Partially_confirmed SW:	2	1
F43G9.1	2	1	0	0	2	1	0	0	6.40%	3.40%	0	0	CE34018 WBGene00009664 isocitrate dehydrogenase status:Confirmed	2	1
C04C11.2	2	1	0	0	2	1	0	0	4.60%	2.60%	0	0	CE05210 WBGene00007296 status:Confirmed TR:Q17624 protein_id:CA	2	1
Y62E10A.1	1	0	1	1	1	0	2	1	14.50%	0	14.50%	14.50%	CE22694 WBGene00004410 locus:rla-2 status:Confirmed TR:Q9U1X9 pr	3	1
D1007.12	1	1	0	0	3	1	0	0	8.20%	8.20%	0	0	CE09047 WBGene00004436 locus:rpl-24.1 60S ribosomal protein L24 sta	3	1
F52H3.7a	2	1	1	0	2	1	1	0	1.90%	1.50%	1.50%	0	CE32894 WBGene00002265 locus:lec-2 galactoside-binding lectin status	3	1
F52H3.7b	2	1	1	0	2	1	1	0	8.60%	6.80%	6.80%	0	CE29330 WBGene00002265 locus:lec-2 galactoside-binding lectin status	3	1
ZC8.4e	2	1	1	0	2	1	1	0	7.80%	3.20%	3.20%	0	CE38923 WBGene00022500 locus:lfi-1 status:Confirmed TR:Q45EJ7 pro	3	1
F37C12.9	2	0	1	1	2	0	1	1	20.40%	0	11.80%	11.80%	CE00821 WBGene00004483 locus:rps-14 Ribosomal protein S14 status:	3	1
F07D10.1	1	0	1	1	2	0	1	1	7.10%	0	7.10%	7.10%	CE07033 WBGene00004423 locus:rpl-11.2 ribosomal protein status:Conf	3	1
T22F3.4	1	0	1	1	2	0	1	1	7.10%	0	7.10%	7.10%	CE13968 WBGene00004422 locus:rpl-11.1 60S ribososmal protein L11 s	3	1
F35D11.2b	1	0	2	1	2	0	2	1	2.90%	0	7.40%	4.50%	CE31802 WBGene00004122 locus:pqn-35 status:Confirmed TR:Q8MQ6	4	1
F35D11.2a	1	0	2	1	2	0	2	1	3.00%	0	7.60%	4.60%	CE32647 WBGene00004122 locus:pqn-35 status:Confirmed TR:Q20040	4	1
C23G10.3	2	1	2	0	2	1	2	0	9.70%	5.70%	12.10%	0	CE01810 WBGene00004472 locus:rps-3 Ribosomal protein S3 status:Co	4	1
Y41D4B.5	1	1	2	0	2	1	2	0	18.50%	18.50%	33.80%	0	CE21842 WBGene00004497 locus:rps-28 status:Confirmed SW:Q95Y04	4	1
H27M09.1	4	0	0	1	5	0	0	1	8.10%	0	0	2.50%	CE23832 WBGene00019245 helicase status:Partially_confirmed TR:Q9N	5	1
H28O16.1a	3	1	2	0	3	1	2	0	7.20%	3.00%	7.10%	0	CE18826 WBGene00010419 ATP synthase alpha and beta subunits, ATP	5	1
H28O16.1d	3	1	2	0	3	1	2	0	7.60%	3.10%	7.40%	0	CE36263 WBGene00010419 status:Confirmed SW:Q9XXK1 protein_id:C	5	1
T01C3.6	2	1	2	0	3	1	2	0	12.50%	5.60%	16.70%	0	CE12918 WBGene00004485 locus:rps-16 40S ribosomal protein S16 sta	5	1
B0261.2b	4	1	0	0	5	1	0	0	1.80%	0.40%	0	0	CE32560 WBGene00002583 locus:let-363 status:Partially_confirmed SW	5	1
B0261.2a	4	1	0	0	5	1	0	0	1.80%	0.40%	0	0	CE32559 WBGene00002583 locus:let-363 kinase status:Partially_confirm	5	1
F10C1.2b	4	0	1	1	4	0	1	1	10.20%	0	2.40%	2.00%	CE02619 WBGene00002053 locus:ifb-1 Intermediate filament protein sta	5	1
F10C1.2a	4	0	1	1	4	0	1	1	10.80%	0	2.50%	2.20%	CE02618 WBGene00002053 locus:ifb-1 Intermediate filament protein sta	5	1
D2045.1a	2	0	2	1	4	0	2	1	3.20%	0	3.10%	1.40%	CE37889 WBGene00000231 locus:atx-2 status:Confirmed TR:Q18987 pr	6	1
D2045.1b	2	0	2	1	4	0	2	1	4.90%	0	4.70%	2.10%	CE37967 WBGene00000231 locus:atx-2 status:Confirmed TR:Q5FC83 p	6	1
F32A7.5a	3	1	2	0	5	1	2	0	5.40%	1.80%	4.30%	0	CE09846 WBGene00009306 claustrin like status:Partially_confirmed TR:	7	1
F32A7.5c	3	1	2	0	5	1	2	0	5.40%	1.80%	4.30%	0	CE34179 WBGene00009306 status:Partially_confirmed TR:Q7YXB8 prot	7	1
F32A7.5b	3	1	2	0	5	1	2	0	6.20%	2.10%	5.00%	0	CE34178 WBGene00009306 status:Partially_confirmed TR:Q7YXB9 prot	7	1
T25C8.2	3	0	1	1	6	0	1	1	10.10%	0	4.30%	4.30%	CE16463 WBGene00000067 locus:act-5 Actins status:Confirmed TR:O45	7	1
F56A3.4	2	0	5	1	2	0	5	1	2.50%	0	5.40%	2.10%	CE28834 WBGene00004955 locus:spd-5 status:Confirmed SW:P91349 p	7	1
F54E7.2	4	1	2	0	6	1	2	0	22.10%	7.90%	21.40%	0	CE26896 WBGene00004481 locus:rps-12 status:Confirmed SW:P49196	8	1
K06C4.2	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001902 locus:his-28 histone H4 status:Predicted SV	1	2
T10C6.14	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001875 locus:his-1 histone H4 status:Predicted SW	1	2
ZK131.8	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001888 locus:his-14 histone H4 status:Predicted SV	1	2
ZK131.1	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001900 locus:his-26 histone H4 status:Predicted SV	1	2
ZK131.4	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001884 locus:his-10 histone H4 status:Predicted SV	1	2
B0035.9	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001920 locus:his-46 histone H4 status:Predicted SV	1	2
F54E12.3	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001930 locus:his-56 histone H4 status:Predicted SV	1	2
F55G1.11	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001934 locus:his-60 Histone status:Confirmed SW:I	1	2
K06C4.10	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001892 locus:his-18 histone H4 status:Confirmed S	1	2
K03A1.6	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001912 locus:his-38 histone-H4 status:Predicted SV	1	2
F07B7.9	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001924 locus:his-50 status:Predicted SW:P62784 p	1	2
F45F2.3	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001879 locus:his-5 histone H4 status:Confirmed SV	1	2
C50F4.7	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001911 locus:his-37 histone H4 status:Confirmed S	1	2
C41D11.2	0	1	1	1	0	1	1	1	0	3.00%	5.80%	5.80%	CE29220 WBGene00001231 locus:eif-3.H status:Partially_confirmed TR:	1	2
F42C5.8	1	0	0	2	1	0	0	2	7.20%	0	0	16.30%	CE04561 WBGene00004477 locus:rps-8 40S ribosomal protein S8 status	1	2
F22B3.1	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001938 locus:his-64 histone H4 status:Partially_cor	1	2
F17E9.12	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001905 locus:his-31 status:Partially_confirmed SW:	1	2
T23D8.5	1	0	0	2	1	0	0	2	6.80%	0	0	17.50%	CE03252 WBGene00001941 locus:his-67 histone H4 status:Confirmed S	1	2
F36A2.6	1	1	1	1	1	1	1	1	7.90%	7.90%	7.90%	12.60%	CE09945 WBGene00004484 locus:rps-15 40S ribosomal protein S15 sta	2	2
Y53F4B.25	1	0	1	2	1	0	1	2	2.00%	0	3.80%	6.50%	CE26158 WBGene00013171 status:Partially_confirmed TR:Q9NA94 prot	2	2
B0213.3	1	1	1	1	1	1	1	1	15.40%	15.40%	15.40%	15.40%	CE16774 WBGene00003766 locus:nlp-28 status:Confirmed SW:O44665	2	2
B0213.6	1	1	1	1	1	1	1	1	13.30%	13.30%	13.30%	13.30%	CE16777 WBGene00003769 locus:nlp-31 status:Confirmed SW:O44662	2	2
B0213.4	1	1	1	1	1	1	1	1	13.70%	13.70%	13.70%	13.70%	CE16775 WBGene00003767 locus:nlp-29 status:Confirmed SW:O44664	2	2
B0213.5	1	1	1	1	1	1	1	1	14.50%	14.50%	14.50%	14.50%	CE16776 WBGene00003768 locus:nlp-30 status:Confirmed SW:O44663	2	2

K10B3.7	2	1	0	1	2	1	0	1	9.10%	4.10%	0	4.10%	CE07370 WBGene00001685 locus:gpd-3 status:Confirmed SW:P17330	2	2
K10B3.8	2	1	0	1	2	1	0	1	9.10%	4.10%	0	4.10%	CE07371 WBGene00001684 locus:gpd-2 status:Confirmed SW:P17329	2	2
C53D5.6	2	1	0	1	2	1	0	1	3.10%	1.60%	0	1.60%	CE26971 WBGene00002077 locus:imb-3 importin beta, nuclear transport	2	2
ZK1098.10c	1	1	0	1	2	1	0	1	3.10%	3.10%	0	3.10%	CE41490 WBGene00006755 locus:unc-16 status:Confirmed	2	2
Y57G11C.16	1	1	1	1	1	1	1	1	5.20%	7.80%	7.80%	7.80%	CE14956 WBGene00004487 locus:rps-18 ribosomal protein S13 status:C	2	2
Reverse_B0213.4	1	1	1	1	1	1	1	1	13.70%	13.70%	13.70%	13.70%	CE16775 WBGene00003767 locus:nlp-29 status:Confirmed SW:O44664	2	2
Reverse_B0213.3	1	1	1	1	1	1	1	1	15.40%	15.40%	15.40%	15.40%	CE16774 WBGene00003766 locus:nlp-28 status:Confirmed SW:O44665	2	2
Reverse_B0213.5	1	1	1	1	1	1	1	1	14.50%	14.50%	14.50%	14.50%	CE16776 WBGene00003768 locus:nlp-30 status:Confirmed SW:O44663	2	2
Reverse_B0213.6	1	1	1	1	1	1	1	1	13.30%	13.30%	13.30%	13.30%	CE16777 WBGene00003769 locus:nlp-31 status:Confirmed SW:O44662	2	2
ZK353.2	1	1	1	1	1	1	1	1	10.10%	10.10%	10.10%	10.10%	CE00386 WBGene00022698 status:Partially_confirmed SW:P34625 prot	2	2
Y71F9AL.13a	1	1	2	1	1	1	2	1	5.60%	6.00%	11.60%	5.60%	CE25552 WBGene00004412 locus:rpl-1 status:Confirmed SW:Q9N4I4 pr	3	2
C37A2.7	1	0	2	2	1	0	2	2	20.60%	0	30.80%	43.00%	CE30433 WBGene00016493 ribosomal protein status:Confirmed SW:O0	3	2
T08B2.10	1	1	2	0	1	2	2	0	14.60%	12.30%	26.90%	0	CE26948 WBGene00004486 locus:rps-17 40S ribosomal protein S17 sta	3	2
Y39B6A.20	0	0	3	2	0	0	3	2	0	0	17.20%	11.10%	CE21681 WBGene00000214 locus:asp-1 peptidase (A1 pepsin family) st	3	2
ZK1098.10a	1	1	1	1	2	1	1	1	1.50%	1.50%	1.50%	1.50%	CE00363 WBGene00006755 locus:unc-16 Coiled coil protein status:Conf	3	2
ZK1098.10d	1	1	1	1	2	1	1	1	1.40%	1.40%	1.40%	1.40%	CE41491 WBGene00006755 locus:unc-16 status:Confirmed	3	2
ZK1098.10b	1	1	1	1	2	1	1	1	1.50%	1.50%	1.50%	1.50%	CE31846 WBGene00006755 locus:unc-16 status:Confirmed SW:P34609	3	2
C07A12.4b	1	1	3	1	1	1	3	1	3.20%	3.20%	7.30%	3.40%	CE31878 WBGene00003963 locus:pdi-2 status:Confirmed TR:Q8IG53 pr	4	2
C07A12.4a	1	1	3	1	1	1	3	1	2.80%	2.80%	6.50%	3.00%	CE03972 WBGene00003963 locus:pdi-2 protein disulfide isomerase statu	4	2
Y113G7A.3	2	1	1	1	3	1	1	1	4.30%	2.10%	2.10%	1.60%	CE27230 WBGene00004754 locus:sec-23 status:Confirmed TR:Q9U2Z1	4	2
T01G1.3	2	0	2	2	2	0	2	2	3.30%	0	2.90%	3.00%	CE16320 WBGene00011338 Yesat transport protein WEB1 like status:Pa	4	2
D1007.6	2	0	2	2	3	0	2	2	20.10%	0	18.80%	18.80%	CE09041 WBGene00004479 locus:rps-10 40S ribosomal protein S10 sta	5	2
F42G8.12	2	0	2	2	3	0	2	2	9.40%	0	10.90%	13.00%	CE17071 WBGene00002162 locus:isp-1 ubiquinol-cytochrome C reducta	5	2
Y77E11A.13b	2	1	2	1	2	1	3	1	11.40%	4.70%	12.80%	6.60%	CE25615 WBGene00003806 locus:npp-20 status:Confirmed TR:Q9N4A6	5	2
T28D6.2	2	0	0	2	5	0	0	2	5.40%	0	0	8.10%	CE16521 WBGene00006533 locus:tba-7 tubulin alpha subunit status:Cor	5	2
Y77E11A.13a	3	1	2	1	3	1	3	1	10.90%	3.20%	8.60%	4.50%	CE25614 WBGene00003806 locus:npp-20 status:Confirmed TR:Q9N4A7	6	2
C47E8.5	4	1	2	1	4	1	2	1	8.50%	3.40%	3.40%	2.10%	CE05441 WBGene00000915 locus:daf-21 heat shock protein (HSP90) st	6	2
W02D3.11b	3	0	2	1	3	0	3	2	11.90%	0	7.50%	3.60%	CE31078 WBGene00020936 locus:hrpf-1 status:Confirmed TR:Q8MQG5	6	2
ZK154.3	4	1	1	1	6	1	1	1	10.00%	3.40%	2.30%	2.30%	CE15257 WBGene00003171 locus:mec-7 beta tubulin status:Partially_co	7	2
B0272.1	4	1	2	1	6	1	2	1	9.70%	3.20%	5.00%	2.30%	CE00850 WBGene00006538 locus:tbb-4 tubulin beta chain status:Partial	8	2
F44F4.11	4	0	1	2	8	0	1	2	12.30%	0	4.00%	8.00%	CE18680 WBGene00006530 locus:tba-4 tubulin alpha-2 chain status:Par	9	2
Y37E3.7	0	0	2	2	0	0	2	3	0	0	45.90%	45.90%	CE26658 WBGene00004409 locus:rla-1 status:Confirmed SW:P91913 pr	2	3
C43E11.1	0	0	1	2	0	0	2	3	0	0	3.40%	3.40%	CE23592 WBGene00016601 locus:cogc-5 status:Confirmed TR:P91156	2	3
C15H9.6	0	1	2	2	0	1	2	2	0	2.70%	5.00%	5.00%	CE08177 WBGene00002007 locus:hsp-3 heat shock protein status:Confi	2	3
F28D1.7	1	1	1	2	2	1	1	2	7.70%	7.70%	7.70%	26.60%	CE05747 WBGene00004492 locus:rps-23 ribosomal protein S23 status:C	3	3
R151.3	2	1	2	2	2	1	2	2	10.10%	4.60%	12.00%	12.00%	CE00744 WBGene00004417 locus:rpl-6 Ribosomal protein ML16 status:C	4	3
F11C3.3	3	2	1	1	3	2	1	1	2.20%	1.20%	0.70%	0.70%	CE09349 WBGene00006789 locus:unc-54 myosin heavy chain status:Pa	4	3
F18H3.3b	4	0	2	2	4	0	2	3	11.30%	0	6.50%	4.80%	CE03230 WBGene00003903 locus:pab-2 RNA recognition motif. (aka RR	6	3
F18H3.3a	4	0	2	2	4	0	2	3	9.20%	0	5.30%	3.90%	CE02193 WBGene00003903 locus:pab-2 poly-adenylate binding protein	6	3
W02D3.11a	4	0	2	2	4	0	3	3	12.40%	0	4.90%	4.90%	CE26020 WBGene00020936 locus:hrpf-1 status:Confirmed TR:Q9BIB7 p	7	3
K11D9.2a	5	1	3	2	5	1	3	2	6.20%	1.40%	4.20%	2.40%	CE18884 WBGene00004736 locus:sca-1 E1-E2 ATPases status:Partially	8	3
K11D9.2b	5	1	3	2	5	1	3	2	6.60%	1.50%	4.40%	2.50%	CE18885 WBGene00004736 locus:sca-1 E1-E2 ATPases status:Partially	8	3
Y106G6H.2b	6	1	2	2	7	1	2	2	10.10%	2.60%	5.30%	4.10%	CE36227 WBGene00003902 locus:pab-1 status:Partially_confirmed TR:C	9	3
Y47G6A.15	6	1	2	2	8	1	2	2	27.00%	8.30%	10.80%	12.20%	CE22105 WBGene00021641 status:Confirmed TR:Q65XX4 protein_id:AA	10	3
F26D10.3	5	2	6	1	5	2	6	1	8.90%	3.80%	18.40%	3.80%	CE09682 WBGene00002005 locus:hsp-1 HSP-1 heat shock 70kd protein	11	3
T23E7.2c	3	3	1	1	3	3	1	1	5.60%	6.00%	2.90%	2.90%	CE24007 WBGene00020732 status:Partially_confirmed TR:Q9TXR9 prot	4	4
F08B6.4a	3	2	1	2	3	2	1	2	7.40%	5.10%	2.50%	5.30%	CE20658 WBGene00006819 locus:unc-87 calponin status:Confirmed SW	4	4
F08B6.4b	3	2	1	2	3	2	1	2	11.20%	7.80%	3.70%	8.00%	CE27922 WBGene00006819 locus:unc-87 status:Confirmed SW:P37806	4	4
F08B6.4c	3	2	1	2	3	2	1	2	7.70%	5.30%	2.60%	5.50%	CE36924 WBGene00006819 locus:unc-87 status:Confirmed SW:P37806	4	4
B0336.10	3	1	2	3	4	1	2	3	32.10%	7.10%	22.10%	35.00%	CE00778 WBGene00004435 locus:rpl-23 status:Confirmed SW:P48158	6	4
Y43B11AR.4	3	0	3	4	3	0	3	4	13.90%	0	13.10%	17.80%	CE24278 WBGene00004473 locus:rps-4 status:Confirmed SW:Q9N3X2	6	4
K04D7.1	3	1	1	2	5	1	2	3	12.00%	3.70%	3.70%	12.30%	CE06090 WBGene00010556 locus:rack-1 guanine nucleotide-binding pro	7	4
F25H5.4	2	1	5	3	3	1	5	3	2.20%	1.40%	9.50%	7.90%	CE15900 WBGene00001167 locus:eft-2 Elongation factor Tu family (cont	8	4
C47B2.3	3	0	1	4	7	0	1	4	9.40%	0	4.00%	12.90%	CE17563 WBGene00006529 locus:tba-2 Tubulin status:Confirmed SW:P	8	4
F26E4.8	3	0	1	4	7	0	1	4	9.40%	0	4.00%	12.90%	CE09692 WBGene00006528 locus:tba-1 TBA-2 tubulin alpha-2 chain sta	8	4
C34E10.6	5	1	2	3	8	1	2	3	10.40%	2.60%	6.50%	9.10%	CE29950 WBGene00000229 locus:atp-2 ATP synthase beta chain status	10	4
Y55B1AR.1	2	1	2	2	14	1	2	3	22.60%	15.10%	20.50%	29.50%	CE22493 WBGene00002269 locus:lec-6 status:Confirmed TR:Q9N384 p	16	4
C16C10.4	0	2	2	1	0	3	3	2	0	18.70%	18.70%	10.80%	CE01495 WBGene00007625 status:Confirmed SW:Q09250 protein_id:CA	3	5
R144.7a	3	3	0	2	3	3	0	2	4.80%	5.00%	0	3.70%	CE39272 WBGene00020097 locus:larp-1 status:Partially_confirmed TR:C	3	5
T23E7.2e	4	3	1	2	4	3	1	2	7.00%	5.80%	2.90%	4.40%	CE31244 WBGene00020732 status:Partially_confirmed TR:Q8MXJ1 prot	5	5
T23E7.2b	4	3	1	2	4	3	1	2	7.30%	6.00%	3.00%	4.50%	CE14066 WBGene00020732 status:Partially_confirmed TR:O17338 prote	5	5
T23E7.2a	4	3	1	2	4	3	1	2	6.90%	5.70%	2.80%	4.30%	CE14064 WBGene00020732 status:Partially_confirmed TR:O17339 prote	5	5
R107.4d	3	2	4	3	3	2	4	3	4.80%	2.90%	7.10%	5.80%	CE37846 WBGene00011299 locus:ikke-1 status:Partially_confirmed TR:C	7	5

R107.4a	3	2	4	3	3	2	4	3	5.20%	3.20%	7.70%	6.20%	CE31817 WBGene00011299 locus:ikke-1 tyrosine-protein kinase status:C	7	5
R107.4b	3	2	4	3	3	2	4	3	4.80%	2.90%	7.10%	5.70%	CE31818 WBGene00011299 locus:ikke-1 status:Confirmed SW:P32742 p	7	5
R107.4c	3	2	4	3	3	2	4	3	4.80%	2.90%	7.10%	5.80%	CE31819 WBGene00011299 locus:ikke-1 status:Confirmed SW:P32742 p	7	5
K01G5.7	5	3	3	2	8	3	4	2	12.90%	9.80%	8.20%	4.90%	CE16197 WBGene00006536 locus:tbb-1 tubulin beta-chain status:Confirr	12	5
C54C6.2	5	3	3	2	8	3	4	2	13.10%	9.90%	8.30%	5.00%	CE33770 WBGene00000248 locus:ben-1 tubulin status:Partially_confirme	12	5
C36E8.5	5	3	4	2	8	3	5	2	12.90%	9.80%	10.90%	4.90%	CE00913 WBGene00006537 locus:tbb-2 beta tubulin status:Confirmed S	13	5
R144.7b	4	3	0	3	4	3	0	3	5.60%	4.00%	0	4.70%	CE31582 WBGene00020097 locus:larp-1 status:Partially_confirmed TR:C	4	6
C02A12.4	3	1	1	3	4	2	1	4	17.70%	5.70%	5.70%	13.80%	CE07828 WBGene00003096 locus:lys-7 status:Confirmed TR:O16202 pr	5	6
R07B7.2	3	2	4	4	4	2	4	4	7.50%	5.40%	8.90%	8.90%	CE38533 WBGene00011087 status:Partially_confirmed TR:Q95QM1 prot	8	6
F12F6.6	5	3	2	3	8	3	3	3	7.70%	4.00%	2.50%	6.00%	CE05594 WBGene00004755 locus:sec-24.1 Yeast hypothetical YIK9 prot	11	6
Y106G6H.2c	7	1	3	4	8	1	3	5	13.30%	2.60%	7.50%	9.00%	CE36228 WBGene00003902 locus:pab-1 status:Confirmed TR:Q7K797 p	11	6
F13B9.1b	6	1	2	3	9	1	3	5	5.30%	0.70%	1.90%	2.90%	CE30949 WBGene00017419 status:Partially_confirmed TR:Q95ZV3 prot	12	6
F13B9.1c	6	1	2	3	9	1	3	5	5.30%	0.70%	1.90%	2.90%	CE35469 WBGene00017419 status:Partially_confirmed TR:Q7JP85 prot	12	6
F13B9.1a	6	1	2	3	9	1	3	5	5.30%	0.70%	1.90%	2.80%	CE37100 WBGene00017419 status:Partially_confirmed TR:Q19386 prot	12	6
Y106G6H.2a	8	1	4	4	9	1	4	5	13.60%	2.30%	9.30%	8.20%	CE20412 WBGene00003902 locus:pab-1 RNA recognition motif. (aka RR	13	6
C18A11.7b	10	4	3	2	14	4	4	2	38.00%	17.60%	16.00%	12.70%	CE04038 WBGene00001000 locus:dim-1 status:Confirmed SW:Q18066 p	18	6
C18A11.7a	10	4	3	2	14	4	4	2	19.20%	8.90%	8.10%	6.40%	CE27706 WBGene00001000 locus:dim-1 status:Confirmed SW:Q18066 p	18	6
F29C12.1a	1	1	3	5	1	2	3	5	1.70%	1.70%	13.20%	15.50%	CE19820 WBGene00004120 locus:pqn-32 status:Confirmed TR:Q9XV50	4	7
F29C12.1b	1	1	3	5	1	2	3	5	1.70%	1.70%	13.20%	15.60%	CE37902 WBGene00004120 locus:pqn-32 status:Confirmed TR:Q5FC36	4	7
K12F2.1	4	5	3	3	4	5	3	3	2.80%	2.90%	1.90%	3.00%	CE34936 WBGene00003515 locus:myo-3 myosin heavy chain status:Par	7	8
T04C12.5	6	2	4	5	23	2	7	6	20.20%	6.40%	20.70%	16.50%	CE13150 WBGene00000064 locus:act-2 actin status:Confirmed SW:P10	30	8
C17G10.5	2	2	7	4	4	2	7	7	10.80%	10.80%	41.30%	22.00%	CE06846 WBGene00003097 locus:lys-8 status:Confirmed TR:Q09975 pr	11	9
M03F4.2b	4	2	5	6	21	2	8	7	16.60%	7.20%	32.50%	27.70%	CE28620 WBGene00000066 locus:act-4 status:Confirmed TR:Q95ZL1 pr	29	9
M03F4.2a	6	2	5	6	23	2	8	7	20.20%	6.40%	28.70%	24.50%	CE12358 WBGene00000066 locus:act-4 actin status:Confirmed SW:P10	31	9
M03F4.2c	6	2	5	6	23	2	8	7	21.00%	6.60%	29.80%	25.40%	CE37134 WBGene00000066 locus:act-4 status:Confirmed TR:Q6A8K1 p	31	9
T04C12.6	6	2	5	6	23	2	8	7	20.20%	6.40%	28.70%	24.50%	CE13148 WBGene00000063 locus:act-1 actin status:Confirmed SW:P10	31	9
T04C12.4	6	2	5	6	23	2	8	7	20.20%	6.40%	28.70%	24.50%	CE13148 WBGene00000065 locus:act-3 actin status:Confirmed SW:P10	31	9
R102.5b	6	3	5	4	20	5	7	6	17.40%	10.70%	14.70%	11.20%	CE35602 WBGene00011292 status:Confirmed TR:Q9U389 protein_id:CA	27	11
F07A5.7	4	4	2	9	5	4	2	9	7.30%	5.70%	3.20%	16.60%	CE09197 WBGene00006754 locus:unc-15 paramyosin status:Confirmed	7	13
F53C11.7	8	3	7	8	13	5	7	10	19.70%	10.00%	27.60%	29.50%	CE24997 WBGene00009976 locus:swan-2 Yeast hypothetical protein YP	20	15
T04C10.1	11	5	8	8	14	5	9	10	15.20%	7.50%	12.80%	13.70%	CE33442 WBGene00003149 locus:mbk-1 serine\/threonine kinase (2 dor	23	15
R102.5a	8	5	5	6	23	8	7	8	27.60%	20.60%	15.20%	21.10%	CE35601 WBGene00011292 status:Confirmed TR:Q21891 protein_id:CA	30	16
Y22F5A.4	4	5	7	5	23	9	12	7	20.50%	23.80%	23.50%	16.10%	CE16605 WBGene00003090 locus:lys-1 status:Confirmed TR:O62415 pr	35	16
Y63D3A.5	13	4	13	7	26	5	23	12	22.00%	11.30%	18.30%	13.80%	CE20336 WBGene00006565 locus:tfg-1 status:Confirmed TR:Q9U1W1 p	49	17
ZC8.4b	30	12	10	11	38	14	11	13	18.50%	7.70%	7.10%	8.70%	CE38922 WBGene00022500 locus:lfi-1 status:Partially_confirmed TR:Q4	49	27
ZC8.4a	36	14	13	12	45	17	15	15	20.10%	8.00%	8.10%	8.50%	CE31264 WBGene00022500 locus:lfi-1 probable myofibrillar protein statu	60	32
ZC8.4d	37	14	12	12	46	17	14	15	21.10%	8.10%	7.50%	8.60%	CE35814 WBGene00022500 locus:lfi-1 status:Partially_confirmed TR:Q7	60	32
R07G3.3c	24	16	13	15	33	17	14	16	24.10%	15.90%	13.40%	18.20%	CE40208 WBGene00019940 locus:npp-21 status:Partially_confirmed TR	47	33
R07G3.3a	26	17	14	15	35	18	15	16	17.80%	11.60%	9.50%	12.10%	CE37543 WBGene00019940 locus:npp-21 myosin heavy chain status:Pa	50	34
R07G3.3b	26	17	14	15	35	18	15	16	17.80%	11.50%	9.50%	12.10%	CE37544 WBGene00019940 locus:npp-21 status:Partially_confirmed TR	50	34

Table S2

RNAi in wild-type (N2):	% adults in lethargus	n
empty vector	0.00%	115
kin-3	0.00%	89
kin-10	0.00%	95

Table S3

RNAi in wild-type (N2):	% embryonic lethality	n
empty vector	0.20%	433
kin-3	0.20%	469
kin-10	0.20%	431
alg-1	0.50%*	411
nhl-2	0.60%*	475
cgh-1	0.60%*	342
* p<0.0001 (Fisher's exact)		

Table S4

	Normalized reads per million mapped reads		
miRNA	**vector**	***kin-3* RNAi**	***kin-10* RNAi**
let-7	49,795.02	63,690.70	38,749.08
lin-58	268,688.59	271,742.44	270,386.06
lsy-6	0.61	0.24	0.85
mir-1	73,658.84	81,012.21	65,989.66
mir-1018	2.47	1.15	2.20
mir-1019	0.11	0.10	0.39
mir-1020	1.59	1.60	1.31
mir-1022	659.16	595.35	637.46
mir-1817	0.15	0.04	0.00
mir-1819	40.48	33.35	25.28
mir-1820	2.01	1.15	1.62
mir-1821	0.76	0.45	0.85
mir-1822	0.19	0.52	0.31
mir-1823	0.19	0.07	0.08
mir-1824	1.14	1.56	0.97
mir-1828	0.00	0.00	0.00
mir-1829.2	110.01	69.58	77.61
mir-1830	0.80	1.87	0.70
mir-1834	1.18	1.01	0.89
mir-2207	0.15	0.10	0.00
mir-2208.2	0.53	0.52	0.35
mir-2209.1	7.28	5.52	5.10
mir-2209.2	0.00	0.04	0.00
mir-2209.3	0.00	0.04	0.04
mir-2210	0.30	0.45	0.54
mir-2211	1.02	0.97	0.73
mir-2212	4.17	4.51	4.06
mir-2213	0.30	0.17	0.16
mir-2216	0.53	0.45	0.54
mir-2219	0.38	0.24	0.27
mir-2220	0.11	0.07	0.16
mir-228	10,911.28	8,888.95	9,202.60
mir-229	76.02	79.40	61.76
mir-230	883.70	573.97	882.77
mir-231	26.48	26.13	27.79
mir-232	4.93	6.94	6.11
mir-235	364.48	282.23	112.09
mir-237	94.42	103.31	79.43
mir-238	138.54	127.08	89.90

mir-239.1	69.04	77.39	63.66
mir-239.2	109.52	63.44	38.69
mir-240	23.60	24.50	7.69
mir-241	10,173.44	10,289.80	9,281.79
mir-242	3.98	3.75	4.10
mir-243	8.31	10.27	10.78
mir-244	11.27	16.24	7.89
mir-245	3.11	2.46	2.28
mir-246	11.19	12.67	7.11
mir-247	1.90	0.97	1.86
mir-248	66.31	70.90	67.72
mir-249	0.30	0.28	0.46
mir-251	15.74	10.03	7.34
mir-252	299.08	298.78	211.61
mir-259	2.01	1.98	1.51
mir-260	0.38	0.21	0.23
mir-262	0.19	0.04	0.19
mir-265	0.11	0.00	0.00
mir-34	2,436.66	2,547.27	2,759.50
mir-35	239.22	242.67	190.16
mir-355	0.04	0.07	0.04
mir-356	0.15	0.04	0.12
mir-359	0.27	0.42	0.08
mir-36	42.75	47.82	43.29
mir-360	0.04	0.04	0.00
mir-37	719.97	787.98	659.22
mir-392	0.27	0.28	0.12
mir-40	79.78	105.43	82.94
mir-42	26.86	36.13	28.49
mir-43	5.01	4.23	4.95
mir-46	0.30	0.38	0.35
mir-47	9.29	13.92	6.88
mir-49	83.27	93.45	89.78
mir-50	625.78	622.21	574.38
mir-53	2.88	5.73	3.05
mir-54	991.97	721.77	545.62
mir-55	1,396.36	1,089.57	989.21
mir-56	853.47	782.67	644.99
mir-57	1,711.18	1,010.31	1,832.21
mir-59	20.18	28.77	21.03
mir-60	27.39	30.85	32.00
mir-61	351.43	244.96	252.97
mir-63	263.12	321.93	286.94

mir-64	248.67	287.78	261.39
mir-65	149.47	242.78	192.17
mir-72	24,746.19	19,737.11	22,788.62
mir-73	16,717.42	14,438.91	14,659.61
mir-74	16.20	26.76	13.88
mir-75	532.38	711.95	560.20
mir-76	5.39	3.68	4.41
mir-77	13.88	26.24	16.50
mir-78	0.00	0.00	0.00
mir-784	1.67	2.71	1.01
mir-785	21.70	19.54	14.15
mir-786	7.28	9.27	4.95
mir-787	22.53	20.96	18.51
mir-788	64.83	46.64	35.17
mir-79	17.64	58.06	52.80
mir-790	7.89	5.21	4.91
mir-791	16.27	12.46	12.06
mir-792	0.65	0.38	0.08
mir-793	18.17	14.05	12.87
mir-794	2.77	2.67	2.94
mir-795	540.50	398.03	498.20
mir-796	40.40	32.72	29.41
mir-797	3.64	2.60	4.48
mir-798	4.06	3.37	1.51
mir-800	0.08	0.28	0.19
mir-84	305.87	302.32	242.84
mir-85	88.54	78.25	41.12
mir-90	197.91	158.21	191.09

Table S5

Instrument	Filtering paramenter
LTQ	-p 1 -y 1 --trypstat --pfp 0.01 --modstat --extra --pI --DB --dm -in --brief --qui

Mass spectrometry of CGH-1 complexes							
Accession	Peptide counts		Spectral counts		Sequence coverage		Protein
	Adult	L3	Adult	L3	Adult	L3	
C07H6.5	12	12	21	19	22.80%	25.10%	CGH-1
B0205.7	**7**	**9**	**11**	**13**	**19.40%**	**21.40%**	**KIN-3**
T01G9.6	**3**	**4**	**4**	**6**	**15.80%**	**26.50%**	**KIN-10**
F56D12.5	0	3	0	4	0	14.30%	VIG-1
F26F4.7	0	2	0	2	0	4.50%	NHL-2
C06G1.4	0	1	0	1	0	2.20%	AIN-1
Y105C5B.28b	62	124	188	510	48.10%	75.10%	CE39807 WBGene00001604 locus:gln-
Y105C5B.28a	62	124	188	510	47.70%	74.50%	CE24078 WBGene00001604 locus:gln-
C27D11.1	37	98	55	161	29.00%	55.20%	CE00543 WBGene00001209 locus:egl-
C43E11.1	36	71	60	136	39.10%	54.10%	CE23592 WBGene00016601 locus:cog
H27M09.1	34	63	56	99	36.00%	56.00%	CE23832 WBGene00019245 helicase s
Y111B2A.18	13	30	29	117	31.00%	56.20%	CE31089 WBGene00004700 locus:rsp-
R186.7	27	34	61	82	41.50%	62.10%	CE27772 WBGene00011308 status:Co
F46G10.1a	5	36	5	108	34.80%	87.10%	CE41319 WBGene00009796 status:Co
Y106G6H.2a	18	35	32	64	23.40%	44.10%	CE20412 WBGene00003902 locus:pab
Y106G6H.2b	18	32	32	60	25.90%	43.90%	CE36227 WBGene00003902 locus:pab
Y106G6H.2c	14	29	28	54	20.80%	40.40%	CE36228 WBGene00003902 locus:pab
C17G10.9a	11	40	16	63	15.50%	48.60%	CE27702 WBGene00015920 status:Pa
Y54E2A.11a	11	41	16	63	12.40%	40.70%	CE20310 WBGene00001225 locus:eif-3
C17G10.9b	11	38	16	62	15.50%	48.40%	CE30870 WBGene00015920 status:Pa
C16C10.4	6	22	14	56	26.50%	63.30%	CE01495 WBGene00007625 status:Co
K08F11.3	10	29	13	54	22.30%	49.20%	CE11954 WBGene00019543 locus:cif-1
K07H8.6c	44	0	64	0	24.00%	0	CE18026 WBGene00006930 locus:vit-6
K07H8.6a	44	0	64	0	24.10%	0	CE28594 WBGene00006930 locus:vit-6
M03F4.2a	16	17	32	26	26.60%	33.00%	CE12358 WBGene00000066 locus:act-
F26D10.3	20	22	33	25	34.20%	32.20%	CE09682 WBGene00002005 locus:hsp
T04C12.6	16	17	32	26	26.60%	33.00%	CE13148 WBGene00000063 locus:act-
T04C12.5	16	17	32	26	26.60%	33.00%	CE13150 WBGene00000064 locus:act-
T04C12.4	16	17	32	26	26.60%	33.00%	CE13148 WBGene00000065 locus:act-
Y47G6A.20b	11	28	13	44	13.90%	30.80%	CE24366 WBGene00004389 locus:rnp-
C41D11.2	11	20	14	42	23.80%	34.50%	CE29220 WBGene00001231 locus:eif-3
Y65B4A.6	7	31	10	45	18.00%	39.80%	CE34419 WBGene00022029 status:Pa
F33D11.10	7	31	10	45	18.00%	39.80%	CE09901 WBGene00018007 intiation fa
F22B5.2	9	21	13	41	35.90%	68.80%	CE02197 WBGene00001230 locus:eif-3
Y74C10AR.1	12	19	18	34	29.70%	45.60%	CE30325 WBGene00001232 locus:eif-3
M03F4.2c	12	13	28	22	24.00%	30.70%	CE37134 WBGene00000066 locus:act-
F45E4.2	13	22	17	33	0.531	0.717	CE10494 WBGene00004046 locus:plp-
B0001.1	14	15	28	21	31.40%	38.00%	CE32786 WBGene00003010 locus:lin-2
T10F2.4	11	19	16	32	22.20%	38.80%	CE38104 WBGene00020423 status:Pa
W08E12.7	7	19	14	33	14.30%	37.90%	CE21275 WBGene00021088 peptidase
B0511.10	6	18	8	38	15.00%	33.10%	CE17349 WBGene00001228 locus:eif-3
Y47G6A.20a	5	21	7	36	15.00%	40.40%	CE24365 WBGene00004389 locus:rnp-
Y62H9A.6	27	0	42	0	59.70%	0	CE19242 WBGene00013394 status:Co
H06H21.3	6	11	10	29	27.30%	28.20%	CE17962 WBGene00019162 translatio
Y47G6A.20c	4	19	6	33	8.10%	32.90%	CE31375 WBGene00004389 locus:rnp-
M03F4.2b	10	11	21	17	22.90%	30.10%	CE28620 WBGene00000066 locus:act-
B0252.4b	7	12	8	30	37.90%	57.10%	CE27567 WBGene00000886 locus:cyn-
T16G1.11	3	20	5	33	13.80%	47.90%	CE20081 WBGene00001233 locus:eif-3
D2013.7	7	12	9	28	18.40%	27.20%	CE00932 WBGene00001229 locus:eif-3
ZC247.1	4	21	5	32	1.20%	4.90%	CE39535 WBGene00013859 status:Pa
T25C8.2	11	13	20	17	15.70%	25.60%	CE16463 WBGene00000067 locus:act-
B0252.4a	5	11	5	29	32.00%	53.10%	CE02420 WBGene00000886 locus:cyn-
R07E5.14	8	13	12	22	45.80%	60.60%	CE01044 WBGene00004387 locus:rnp-
B0041.4	2	25	4	29	7.80%	43.50%	CE07669 WBGene00004415 locus:rpl-4
R08D7.3	3	17	5	27	3.20%	26.10%	CE00291 WBGene00001227 locus:eif-3
C56C10.8	8	7	12	20	36.60%	37.90%	CE02573 WBGene00002045 locus:icd-
Y67D2.6	10	16	11	20	14.10%	24.90%	CE27311 WBGene00022056 status:Pa
C09F9.3	14	9	19	12	15.00%	10.00%	CE40799 WBGene00007480 Ank repea
R09B3.5	5	13	8	23	42.80%	52.00%	CE16310 WBGene00003123 locus:mag
Y66D12A.8	11	8	17	13	38.90%	34.80%	CE28806 WBGene00013434 status:Pa
Y43B11AR.4	1	22	1	28	3.50%	58.30%	CE24278 WBGene00004473 locus:rps-
T27F2.1	10	12	13	16	20.70%	22.80%	CE06519 WBGene00004806 locus:skp-
C42D8.2a	19	0	28	0	14.40%	0	CE06950 WBGene00006926 locus:vit-2
F35F11.1	10	11	12	16	18.90%	23.70%	CE37230 WBGene00018064 status:Pa
F25H5.4	2	18	2	25	2.70%	27.30%	CE15900 WBGene00001167 locus:eft-2
C42D8.2b	18	0	26	0	13.90%	0	CE41109 WBGene00006926 locus:vit-2
F18H3.3b	6	14	10	16	6.00%	22.10%	CE03230 WBGene00003903 locus:pab
F18H3.3a	6	14	10	16	4.90%	18.10%	CE02193 WBGene00003903 locus:pab
F56F3.5	2	13	2	22	8.90%	43.60%	CE00664 WBGene00004470 locus:rps-
Y69A2AR.21	4	11	6	18	19.50%	57.40%	CE27517 WBGene00022092 status:Co
F25H2.10	2	18	4	20	10.30%	44.60%	CE09655 WBGene00004408 locus:rpa-
F40F11.1	1	13	1	23	0.065	0.587	CE05860 WBGene00004480 locus:rps-
F46B6.5b	12	8	15	9	15.60%	14.10%	CE33789 WBGene00009770 status:Pa

F46B6.5a	12	8	15	9	14.90%	13.40%	CE33788 WBGene00009770 status:Pa
F46B6.5c	12	8	15	9	15.80%	14.20%	CE34023 WBGene00009770 status:Pa
C49H3.11	2	13	3	21	7.00%	34.20%	CE04237 WBGene00004471 locus:rps-
T25F10.6a	7	12	11	13	23.90%	40.90%	CE07537 WBGene00020808 calponin-l
K09F5.2	15	0	22	0	12.10%	0	CE04746 WBGene00006925 locus:vit-1
W03H9.4	9	10	11	11	18.70%	16.00%	CE20137 WBGene00012230 status:Pa
Y39G10AR.8	4	13	6	15	11.70%	30.90%	CE27254 WBGene00021466 status:Co
Y92H12BR.7	3	15	3	18	5.60%	26.80%	CE39076 WBGene00022372 status:Pa
W02B12.3a	3	6	5	16	9.30%	20.80%	CE03763 WBGene00004698 locus:rsp-
F43G9.5	4	8	9	12	16.70%	37.00%	CE10362 WBGene00009668 status:Co
R03G5.1a	5	11	5	15	8.90%	17.70%	CE01270 WBGene00001169 locus:eft-4
F08B6.4b	9	8	11	9	32.60%	25.40%	CE27922 WBGene00006819 locus:unc
F54E7.2	3	8	5	15	28.60%	52.90%	CE26896 WBGene00004481 locus:rps-
B0350.2f	7	8	10	10	1.60%	2.30%	CE31847 WBGene00006780 locus:unc
F31E3.5	5	11	5	15	8.90%	17.70%	CE01270 WBGene00001168 locus:eft-3
F11C3.3	4	12	6	14	3.00%	9.60%	CE09349 WBGene00006789 locus:unc
T01C3.7	6	7	7	13	11.60%	21.00%	CE12920 WBGene00001423 locus:fib-1
C44B12.5	9	0	19	0	18.40%	0	CE16921 WBGene00016638 status:Pa
F08B6.4a	8	8	10	9	18.40%	16.80%	CE20658 WBGene00006819 locus:unc
F08B6.4c	8	8	10	9	19.10%	17.50%	CE36924 WBGene00006819 locus:unc
C30B5.4	4	9	6	13	18.20%	26.50%	CE02523 WBGene00016245 Probable
DH11.1	7	8	9	10	10.40%	19.00%	CE28902 WBGene00008435 glutamina
Y105E8B.1a	3	14	3	16	16.20%	54.20%	CE28782 WBGene00002978 locus:lev-
ZK652.4	3	9	4	15	26.00%	35.80%	CE00450 WBGene00004449 locus:rpl-3
T07F10.3	2	11	2	17	9.20%	29.10%	CE40238 WBGene00011589 polyadeny
W02B12.2	2	10	4	15	9.60%	32.40%	CE03762 WBGene00004699 locus:rsp-
T25F10.6b	5	9	9	10	23.90%	39.20%	CE37049 WBGene00020808 status:Co
T23D8.4	0	16	0	19	0	20.80%	CE18958 WBGene00001226 locus:eif-3
C50C3.6	3	11	6	12	1.90%	7.20%	CE00122 WBGene00004187 locus:prp-
C25A1.6	5	6	9	9	51.60%	39.10%	CE27803 WBGene00007708 status:Co
F54C9.5	4	10	5	13	11.30%	42.30%	CE02255 WBGene00004416 locus:rpl-5
C18A11.7b	4	9	5	13	15.40%	40.70%	CE04038 WBGene00001000 locus:dim-
C18A11.7a	4	9	5	13	7.80%	20.60%	CE27706 WBGene00001000 locus:dim-
Y105E8B.1d	3	13	3	15	16.20%	48.90%	CE29060 WBGene00002978 locus:lev-
W02B12.3c	3	5	5	13	19.30%	36.00%	CE32945 WBGene00004698 locus:rsp-
W02B12.3b	3	5	5	13	19.60%	36.50%	CE32944 WBGene00004698 locus:rsp-
C18D11.4	2	12	2	16	9.10%	35.00%	CE18515 WBGene00004705 locus:rsp-
ZK328.2	2	14	2	16	3.00%	18.20%	CE05066 WBGene00001166 locus:eft-1
F57B9.2	10	4	13	5	5.00%	2.00%	CE01337 WBGene00002845 locus:let-7
W02F12.6	5	8	6	11	24.70%	38.20%	CE31084 WBGene00020951 locus:sna-
Y57G11C.9b	1	12	1	16	3.40%	20.20%	CE40537 WBGene00013307 status:Co
Y57G11C.9a	1	12	1	16	3.80%	22.80%	CE24476 WBGene00013307 RNA reco
T27F7.3b	1	9	1	16	9.20%	56.00%	CE27214 WBGene00020868 status:Co
F42C5.8	4	6	9	8	29.30%	41.30%	CE04561 WBGene00004477 locus:rps-
F10B5.1	3	9	4	12	16.80%	31.80%	CE01543 WBGene00004421 locus:rpl-1
Y48A6B.3	4	5	8	8	19.00%	46.60%	CE19186 WBGene00012964 Ribosoma
F25H2.2	7	7	9	7	12.10%	18.00%	CE09647 WBGene00009116 Phosphat
D1054.15	3	11	4	12	7.90%	25.70%	CE05533 WBGene00006481 locus:tag-
K04C2.2	2	10	2	14	2.90%	12.60%	CE00722 WBGene00019380 status:Pa
Y66D12A.9	1	9	1	15	8.10%	32.70%	CE28807 WBGene00013435 status:Co
ZK418.9a	3	10	3	13	7.40%	28.90%	CE28190 WBGene00022738 possible F
ZK617.1b	1	15	1	15	0.20%	3.20%	
ZK617.1c	1	15	1	15	0.20%	3.40%	CE40796 WBGene00006759 locus:unc
ZK617.1a	1	15	1	15	0.20%	3.30%	
B0250.1	2	10	3	13	10.40%	41.50%	CE18478 WBGene00004413 locus:rpl-2
T13F2.7	1	10	2	13	2.00%	18.60%	CE13631 WBGene00011747 locus:sna-
F02E9.10c	3	9	5	10	8.80%	23.50%	CE41213 WBGene00008533 status:Co
C37A2.7	1	11	1	14	21.50%	83.20%	CE30433 WBGene00016493 ribosomal
ZK643.5	4	8	4	11	11.90%	19.70%	CE24732 WBGene00014036 status:Pa
Y67D2.7	3	6	6	9	11.10%	20.90%	CE39062 WBGene00022057 status:Co
C14B9.7	2	9	3	12	6.20%	39.10%	CE00078 WBGene00004433 locus:rpl-2
Y54F10BM.2	0	13	0	15	0	12.20%	CE27011 WBGene00021857 locus:iffb-
Y66H1A.4	5	5	8	7	12.30%	28.30%	CE36757 WBGene00022046 nucleolar
C47E8.5	2	8	4	11	5.60%	17.70%	CE05441 WBGene00000915 locus:daf-
ZK418.9b	3	9	3	12	8.00%	26.90%	CE34457 WBGene00022738 status:Co
C27A2.2a	3	9	4	11	24.60%	63.10%	CE04102 WBGene00004434 locus:rpl-2
M01F1.2	1	9	1	14	4.50%	34.20%	CE01030 WBGene00004428 locus:rpl-1
K09H9.6	4	6	7	7	7.90%	12.70%	CE37030 WBGene00003062 locus:lpd-
K02F2.2	1	8	1	13	3.40%	24.00%	CE17154 WBGene00019322 S-adenos
R07B7.3	9	4	10	4	27.00%	11.30%	CE06265 WBGene00004138 locus:pqn
F02E9.10a	3	8	5	9	8.90%	18.40%	CE27119 WBGene00008533 status:Co
F02E9.10b	3	8	5	9	10.30%	21.40%	CE38314 WBGene00008533 status:Co
F13B10.2a	3	8	4	10	9.70%	20.90%	CE05598 WBGene00004414 locus:rpl-3
Y62H9A.5	7	0	14	0	21.80%	0	CE31124 WBGene00013393 status:Co
Y24D9A.4a	3	7	3	11	7.20%	26.40%	CE27398 WBGene00004419 locus:rpl-7
W08D2.7	5	7	6	8	5.40%	9.60%	CE06562 WBGene00012342 locus:mtr-
R03G5.1d	4	8	4	10	7.70%	14.50%	CE33155 WBGene00001169 locus:eft-4
Y71H2AM.1	1	9	1	13	3.00%	28.50%	CE37451 WBGene00022166 status:Co
F46F11.2	10	1	12	2	44.60%	6.00%	CE10598 WBGene00000473 locus:cey-
C50F2.3	4	8	6	8	6.30%	12.90%	CE08909 WBGene00016837 status:Pa
F43D2.1	0	9	0	14	0	34.50%	CE38186 WBGene00009650 G1/S-spe

F33G12.2	4	6	5	9	21.30%	21.00%	CE27149 WBGene00018014 status:Pa
F58B3.7	3	10	3	11	11.30%	29.90%	CE06009 WBGene00010233 Arabidops
C33H5.12c	1	4	2	12	8.50%	44.10%	CE29698 WBGene00004703 locus:rsp-
C33H5.12b	1	4	2	12	6.50%	34.00%	CE29697 WBGene00004703 locus:rsp-
C33H5.12a	1	4	2	12	5.60%	29.10%	CE04155 WBGene00004703 locus:rsp-
K07C5.4	2	7	4	10	4.30%	18.90%	CE06114 WBGene00010627 yeast prot
Y116A8C.35	2	10	2	12	7.70%	32.30%	CE23341 WBGene00006698 locus:uaf-
F13B10.2c	3	7	4	9	11.00%	19.30%	CE36996 WBGene00004414 locus:rpl-3
C36E8.5	2	10	2	11	6.00%	24.00%	CE00913 WBGene00006537 locus:tbb-
Y24D9A.4c	3	6	3	10	7.80%	23.30%	CE30401 WBGene00004419 locus:rpl-7
Y80D3A.2	7	4	9	4	6.60%	3.50%	CE40670 WBGene00001258 locus:emb
Y39B6A.36	2	8	2	11	8.40%	45.60%	CE29873 WBGene00012694 status:Co
Y54E10BR.4	1	9	1	12	2.70%	19.80%	CE27481 WBGene00021843 status:Co
D1046.1	3	8	4	9	7.80%	20.00%	CE03094 WBGene00008362 glycine-ric
M18.5	3	7	3	10	3.30%	7.10%	CE23880 WBGene00010890 locus:ddb
D1081.8	5	8	5	8	7.50%	13.20%	CE05540 WBGene00008386 MYB trans
H20J04.8	4	7	4	9	22.50%	35.20%	CE20974 WBGene00044076 locus:sap-
K04D7.1	4	6	4	9	14.50%	19.10%	CE06090 WBGene00010556 locus:rack
F09E5.15	1	9	1	12	5.60%	49.70%	CE32361 WBGene00006434 locus:prdx
F43G6.8	1	8	1	12	6.10%	41.40%	CE20789 WBGene00009660 Zinc finge
K07C5.6	2	8	3	10	5.10%	24.60%	CE06116 WBGene00010629 Zinc finge
D2096.8	1	7	3	10	5.10%	30.40%	CE04306 WBGene00017075 status:Co
C09D4.5	0	9	0	13	0	26.30%	CE08034 WBGene00004431 locus:rpl-1
M28.5	1	7	1	11	9.40%	43.00%	CE02283 WBGene00010896 ribosomal
T13F2.2	3	4	5	7	25.80%	19.40%	CE13621 WBGene00011743 single-stra
T13F2.8	7	2	9	3	31.50%	17.90%	CE13633 WBGene00000301 locus:cav-
Y62E10A.1	1	7	1	11	14.50%	35.50%	CE22694 WBGene00004410 locus:rla-2
Y76B12C.7	2	8	2	10	1.90%	7.80%	CE29932 WBGene00022301 status:Pa
F54H12.6	0	6	0	12	0	27.70%	CE00548 WBGene00018846 Elongatio
K04G7.11	4	5	6	6	18.40%	26.10%	CE39587 WBGene00019402 status:Co
ZK829.4	1	10	1	11	2.40%	21.30%	CE06652 WBGene00014095 glutamate
Y71F9B.4	4	4	6	6	41.60%	66.20%	CE22871 WBGene00004920 locus:snr-
Y105E8B.1b	1	9	1	11	5.20%	51.30%	CE36223 WBGene00002978 locus:lev-
F08G12.2	4	7	4	8	16.60%	23.30%	CE18578 WBGene00008586 WD doma
T05F1.3	1	8	1	11	9.60%	56.20%	CE13265 WBGene00004488 locus:rps-
K02F2.3	3	7	3	8	3.40%	7.20%	CE17155 WBGene00019323 locus:tag-
C44B12.1	5	0	11	0	20.70%	0	CE27850 WBGene00016636 status:Co
F13B10.2d	3	6	4	7	12.90%	22.80%	CE36997 WBGene00004414 locus:rpl-3
Y54E2A.11b	1	4	3	8	7.30%	30.10%	CE35681 WBGene00001225 locus:eif-3
M01E11.5	8	2	9	2	37.70%	13.20%	CE12296 WBGene00000474 locus:cey-
Y108G3AL.2	3	7	3	8	8.30%	19.00%	CE26040 WBGene00022434 status:Pa
F37C12.4	3	7	3	8	21.20%	43.30%	CE30781 WBGene00004450 locus:rpl-3
F37C12.9	2	7	3	8	20.40%	50.70%	CE00821 WBGene00004483 locus:rps-
K01G5.7	1	9	1	10	3.30%	21.40%	CE16197 WBGene00006536 locus:tbb-
E04A4.8	3	8	3	8	18.30%	32.80%	CE21392 WBGene00004432 locus:rpl-2
Y71A12B.1	2	8	2	9	7.30%	26.80%	CE24592 WBGene00004475 locus:rps-
C15H9.6	4	7	4	7	0.062	0.163	CE08177 WBGene00002007 locus:hsp
Y41E3.10a	0	6	0	11	0	0.247	CE37568 WBGene00012768 Elongatio
C23G10.3	1	7	1	10	6.10%	31.60%	CE01810 WBGene00004472 locus:rps-
T11G6.8	3	8	3	8	10.50%	22.50%	CE33830 WBGene00011722 RNA reco
K07H8.6b	6	0	10	0	25.40%	0	CE34921 WBGene00006930 locus:vit-6
Y71F9AL.13a	0	7	0	10	0	23.10%	CE25552 WBGene00004412 locus:rpl-1
Y65B4BR.5a	1	4	2	8	7.20%	34.40%	CE22740 WBGene00022042 status:Co
T05E11.1	0	8	0	10	0	32.90%	CE06360 WBGene00004474 locus:rps-
Y110A7A.6a	2	6	2	8	8.00%	20.90%	CE38000 WBGene00022456 phosphof
Y110A7A.6b	2	6	2	8	8.30%	21.60%	CE29606 WBGene00022456 status:Pa
M117.2	2	6	2	8	10.50%	25.80%	CE06200 WBGene00003920 locus:par-
F25B4.5	1	7	1	9	1.30%	8.30%	CE28000 WBGene00017768 status:Pa
K01G5.5	1	5	1	9	2.70%	11.70%	CE16195 WBGene00010478 centrome
F49D11.1	3	6	3	7	7.90%	15.90%	CE28405 WBGene00018625 locus:prp-
Y23H5B.5	1	5	1	9	2.50%	14.30%	CE40876 WBGene00021276 status:Pa
R11D1.8	3	6	3	7	20.60%	25.40%	CE06313 WBGene00004442 locus:rpl-2
C34E10.6	0	9	0	10	0	25.30%	CE29950 WBGene00000229 locus:atp-
Y65B4BR.5b	1	3	2	7	7.10%	17.30%	CE33239 WBGene00022042 status:Co
C34D4.12	1	5	2	7	10.10%	43.20%	CE17506 WBGene00000888 locus:cyn-
W01B11.3	2	6	2	7	7.00%	18.90%	CE18307 WBGene00020915 status:Co
F28D1.7	2	3	3	6	16.10%	23.80%	CE05747 WBGene00004492 locus:rps-
T13H5.4	2	5	3	6	7.00%	18.20%	CE23981 WBGene00011758 PRP9 like
T20F5.7	0	8	0	9	0	32.70%	CE13828 WBGene00020629 status:Pa
F44E5.4	2	4	4	5	2.00%	3.90%	CE18679 WBGene00009691 Heat shoc
F44E5.5	2	4	4	5	2.00%	3.90%	CE18679 WBGene00009692 Heat shoc
C04F6.1	6	0	9	0	5.00%	0	CE03921 WBGene00006929 locus:vit-5
C52E4.3	2	6	2	7	8.50%	46.60%	CE08945 WBGene00004917 locus:snr-
C12C8.1	2	4	4	5	2.00%	3.90%	CE08110 WBGene00002026 locus:hsp-
F28C6.7a	2	5	2	7	19.00%	33.10%	CE03278 WBGene00004440 locus:rpl-2
F28C6.7b	2	5	2	7	25.50%	44.30%	CE20731 WBGene00004440 locus:rpl-2
F28C6.7c	2	5	2	7	24.80%	43.10%	CE32883 WBGene00004440 locus:rpl-2
T01C3.6	1	5	2	7	5.60%	33.30%	CE12918 WBGene00004485 locus:rps-
Y57G11C.16	0	7	0	9	0	33.10%	CE14956 WBGene00004487 locus:rps-
F32H2.5	1	8	1	8	0.80%	4.50%	CE09880 WBGene00009342 locus:fasr
C37H5.8	2	7	2	7	4.30%	15.70%	CE08631 WBGene00002010 locus:hsp-

Y116A8C.34	3	6	3	6	13.00%	27.80%	CE24152 WBGene00000889 locus:cyn-
D2045.1a	2	7	2	7	3.20%	13.10%	CE37889 WBGene00000231 locus:atx-
H06I04.4a	1	5	1	8	11.70%	29.40%	CE20938 WBGene00006725 locus:ubl-
Y71F9AL.13b	0	5	0	8	0	24.50%	CE28379 WBGene00004412 locus:rpl-1
C32E8.2a	0	6	0	8	0	30.40%	CE08526 WBGene00004425 locus:rpl-1
Y77E11A.13a	0	7	0	8	0	31.30%	CE25614 WBGene00003806 locus:npp
B0336.10	0	7	0	8	0	39.30%	CE00778 WBGene00004435 locus:rpl-2
F46H5.3a	1	6	1	7	3.50%	16.20%	CE37112 WBGene00018519 arginine k
F46H5.3b	1	6	1	7	3.90%	17.80%	CE33098 WBGene00018519 status:Co
R03G5.1c	1	4	1	7	3.70%	14.20%	CE33154 WBGene00001169 locus:eft-4
F53G12.10	0	7	0	8	0	22.50%	CE11024 WBGene00004418 locus:rpl-7
F59D8.1	5	0	8	0	4.10%	0	CE20900 WBGene00006927 locus:vit-3
F59D8.2	6	0	8	0	5.00%	0	CE26817 WBGene00006928 locus:vit-4
Y39A1C.3	1	5	1	7	9.50%	29.60%	CE19148 WBGene00000475 locus:cey-
F09G2.4	3	4	3	5	4.20%	6.30%	CE09299 WBGene00017313 status:Co
F40F8.10	0	6	0	8	0	25.90%	CE05849 WBGene00004478 locus:rps-
K10B3.7	1	5	1	7	5.00%	20.50%	CE07370 WBGene00001685 locus:gpd
K10B3.8	1	5	1	7	5.00%	20.50%	CE07371 WBGene00001684 locus:gpd
H28O16.1a	1	6	1	7	2.80%	15.20%	CE18826 WBGene00010419 ATP synth
H28O16.1d	1	6	1	7	2.90%	16.00%	CE36263 WBGene00010419 status:Co
Y22D7AL.5	0	8	0	8	0	14.10%	CE27244 WBGene00002025 locus:hsp
D1054.11	3	0	8	0	9.10%	0	CE05529 WBGene00008378 status:Co
C53H9.1	1	4	1	7	6.60%	24.30%	CE19381 WBGene00004441 locus:rpl-2
B0393.1	4	3	5	3	21.40%	14.90%	CE00854 WBGene00004469 locus:rps-
C54C6.6	3	3	4	4	18.70%	16.70%	CE33367 WBGene00008288 DUF667 d
W08E3.1	0	5	0	8	0	30.60%	CE14704 WBGene00004915 locus:snr-
W08E3.2	3	5	3	5	11.80%	19.20%	CE26028 WBGene00012343 status:Co
T20G5.2	2	5	3	5	6.80%	13.20%	CE00513 WBGene00000833 locus:cts-
VC5.3a	0	6	0	8	0	5.40%	CE21224 WBGene00003786 locus:npa
VC5.3c	0	6	0	8	0	6.50%	CE36211 WBGene00003786 locus:npa
C39E9.11	1	5	1	7	5.40%	15.10%	CE20559 WBGene00008034 status:Co
Y116A8C.42	0	6	0	8	0	33.10%	CE23346 WBGene00004914 locus:snr-
D2045.1b	2	6	2	6	4.90%	17.70%	CE37967 WBGene00000231 locus:atx-
T24B8.1	0	4	0	8	0	31.30%	CE03709 WBGene00004446 locus:rpl-3
Y41D4B.5	2	3	2	6	33.80%	24.60%	CE21842 WBGene00004497 locus:rps-
Y48G8AL.8a	0	7	0	8	0	25.70%	CE22195 WBGene00004429 locus:rpl-1
W07E6.4	1	5	1	6	2.30%	9.50%	CE17296 WBGene00004188 locus:prp-
F39B2.6	2	4	3	4	20.50%	26.50%	CE16012 WBGene00004495 locus:rps-
Y37E3.7	0	7	0	7	0	48.60%	CE26658 WBGene00004409 locus:rla-1
H28O16.1c	1	5	1	6	3.00%	12.50%	CE34195 WBGene00010419 status:Co
T22E5.5	2	5	2	5	6.70%	22.70%	CE04994 WBGene00003495 locus:mup
F25H2.11	2	4	2	5	23.20%	21.50%	CE09656 WBGene00009122 locus:tct-1
Y57A10A.31	5	2	5	2	6.60%	3.60%	CE22610 WBGene00013270 status:Pa
C54C6.2	1	5	1	6	3.40%	13.70%	CE33770 WBGene00000248 locus:ben
F56D2.6a	0	6	0	7	0	10.10%	CE01334 WBGene00018967 status:Co
F56D2.6b	0	6	0	7	0	10.70%	CE32900 WBGene00018967 status:Co
F25B5.4a	2	1	2	4	2.60%	1.10%	CE01921 WBGene00006727 locus:ubq
T08A11.2	3	3	3	3	2.60%	3.30%	CE03641 WBGene00011605 status:Pa
C06A8.3	0	6	0	6	0	45.00%	CE02454 WBGene00015514 17k antige
F43E2.8	3	3	3	3	4.00%	5.00%	CE07244 WBGene00002008 locus:hsp
C45B2.5	2	3	2	4	8.80%	12.90%	CE27854 WBGene00001602 locus:gln-
F20H11.3	0	5	0	6	0	16.40%	CE09512 WBGene00003162 locus:mdt
Y113G7B.18	1	4	1	5	1.60%	10.00%	CE40428 WBGene00007017 locus:mdt
D1007.12	1	4	1	5	5.00%	18.20%	CE09047 WBGene00004436 locus:rpl-2
C47B2.3	0	5	0	6	0	15.40%	CE17563 WBGene00006529 locus:tba-
K04G2.1	0	4	0	6	0	19.20%	CE16227 WBGene00010560 locus:iftb-
F25H2.5	0	5	0	6	0	47.10%	CE09650 WBGene00009119 nucleosid
C44B7.10	1	3	1	5	3.20%	10.80%	CE32326 WBGene00016630 status:Co
T01E8.5	1	4	1	5	1.00%	5.00%	CE18165 WBGene00011333 status:Pa
Y105E8B.1f	2	4	2	4	23.80%	26.50%	CE36224 WBGene00002978 locus:lev-
F17C11.9a	0	4	0	6	0	15.30%	CE05656 WBGene00008920 elongatio
C53D5.6	1	5	1	5	1.60%	7.10%	CE26971 WBGene00002077 locus:imb
F36F2.3a	0	6	0	6	0	8.20%	CE34550 WBGene00009477 locus:tag-
C46A5.9	0	6	0	6	0	10.50%	CE26914 WBGene00001827 locus:hcf-
Y55F3AR.3	1	4	1	5	2.40%	9.00%	CE35110 WBGene00021934 status:Pa
F07D10.1	1	5	1	5	4.10%	16.80%	CE07033 WBGene00004423 locus:rpl-1
T22F3.4	1	5	1	5	4.10%	16.80%	CE13968 WBGene00004422 locus:rpl-1
C27H6.2	1	4	1	5	5.00%	14.20%	CE08426 WBGene00007784 locus:ruvb
F39B2.10	2	4	2	4	8.70%	18.70%	CE16015 WBGene00001030 locus:dnj-
ZK546.13	1	4	1	4	5.10%	20.40%	CE34460 WBGene00007012 locus:mdt
C07A12.4b	0	5	0	5	0	13.30%	CE31878 WBGene00003963 locus:pdi-
C07A12.4a	0	5	0	5	0	11.80%	CE03972 WBGene00003963 locus:pdi-
F25B5.4c	2	1	2	3	4.10%	1.70%	CE31915 WBGene00006727 locus:ubq
C07A9.2	1	3	1	4	5.40%	24.50%	CE00499 WBGene00007400 G10 prote
K02B2.1	1	4	1	4	3.70%	15.50%	CE30082 WBGene00019295 6-phosph
D1007.6	0	4	0	5	0	32.90%	CE09041 WBGene00004479 locus:rps-
Y77E11A.13b	0	4	0	5	0	28.00%	CE25615 WBGene00003806 locus:npp
C09H10.2	0	4	0	5	0	22.90%	CE02131 WBGene00004454 locus:rpl-4
F36A2.6	1	4	1	4	7.90%	16.60%	CE09945 WBGene00004484 locus:rps-
T21B10.7	0	5	0	5	0	13.80%	CE16437 WBGene00011889 t-complex
C01B10.11	0	4	0	5	0	20.40%	CE38583 WBGene00044294 status:Pa

T08B2.10	1	2	2	3	12.30%	22.30%	CE26948 WBGene00004486 locus:rps-
C47B2.2b	1	2	2	3	6.90%	12.10%	CE23599 WBGene00008131 status:Co
C47B2.2a	1	2	2	3	5.20%	9.10%	CE17562 WBGene00008131 status:Pa
ZK1010.1	2	1	2	3	17.20%	7.00%	CE15495 WBGene00006728 locus:ubq
F27D9.5	0	5	0	5	0	10.10%	CE04451 WBGene00017864 locus:pcc
Y38H6C.1	0	3	0	5	0	54.40%	CE19095 WBGene00012615 status:Co
F58E10.3a	1	3	2	3	2.10%	8.60%	CE18785 WBGene00010260 ATP-depe
B0272.1	1	4	1	4	2.70%	10.40%	CE00850 WBGene00006538 locus:tbb-
Y39A3CL.7b	1	4	1	4	2.50%	12.90%	CE37426 WBGene00021443 status:Pa
F40E10.6	1	3	1	4	8.30%	11.10%	CE31508 WBGene00009574 status:Co
Y105E8A.8	1	4	1	4	3.30%	14.90%	CE29846 WBGene00013669 status:Pa
F17C11.9b	0	3	0	5	0	13.90%	CE32385 WBGene00008920 status:Co
W03F9.10	0	3	0	5	0	8.80%	CE14540 WBGene00021004 status:Co
C49F5.1	0	3	0	5	0	12.20%	CE08852 WBGene00008205 locus:sam
Y45F10D.12	0	5	0	5	0	28.70%	CE16650 WBGene00004430 locus:rpl-
Y22F5A.4	1	3	1	4	2.30%	12.40%	CE16605 WBGene00003090 locus:lys-
F49H12.5	2	2	2	3	10.10%	13.20%	CE20835 WBGene00018656 status:Co
F09F7.2a	0	5	0	5	0	50.30%	CE01236 WBGene00003371 locus:mlc-
C48E7.3	2	2	2	3	9.70%	9.70%	CE29953 WBGene00003059 locus:lpd-
C26F1.4	1	4	1	4	8.50%	9.20%	CE06878 WBGene00004499 locus:rps-
Y105E8A.16	1	3	2	3	11.10%	31.60%	CE29835 WBGene00004489 locus:rps-
H06O01.1	0	4	0	5	0	11.90%	CE11570 WBGene00003964 locus:pdi-
F26E4.8	0	4	0	5	0	12.20%	CE09692 WBGene00006528 locus:tba-
Y48G8AL.8b	0	4	0	5	0	16.40%	CE30023 WBGene00004429 locus:rpl-
F35H10.11	0	2	0	4	0	19.70%	CE07075 WBGene00001903 locus:his-
K06C4.4	0	2	0	4	0	19.50%	CE10538 WBGene00001894 locus:his-
C07A12.4c	0	4	0	4	0	12.10%	CE40737 WBGene00003963 locus:pdi-
T23C6.1	1	2	1	3	2.50%	3.80%	CE07526 WBGene00007011 locus:mdt
Y92C3B.2d	1	3	1	3	4.50%	11.00%	CE30403 WBGene00006697 locus:uaf-
Y92C3B.2a	1	3	1	3	4.20%	10.50%	CE27339 WBGene00006697 locus:uaf-
Y92C3B.2c	1	3	1	3	4.40%	11.00%	CE29149 WBGene00006697 locus:uaf-
F17E9.9	0	2	0	4	0	19.70%	CE07075 WBGene00001908 locus:his-
H02I12.6	0	2	0	4	0	19.50%	CE05165 WBGene00001940 locus:his-
T10C6.11	0	2	0	4	0	17.00%	CE16386 WBGene00001878 locus:his-
ZK131.9	0	2	0	4	0	19.70%	CE07075 WBGene00001889 locus:his-
ZK131.5	0	2	0	4	0	19.70%	CE07075 WBGene00001885 locus:his-
ZK669.4	0	4	0	4	0	12.50%	CE01115 WBGene00014054 lipoamide
F58G11.5	1	3	1	3	2.80%	6.80%	CE28038 WBGene00006442 locus:tag-
Y75B12B.2	0	3	0	4	0	28.10%	CE20371 WBGene00000883 locus:cyn-
C08B11.5	1	2	1	3	3.60%	8.00%	CE36374 WBGene00004723 locus:sap-
F37A4.2	0	3	0	4	0	15.30%	CE00710 WBGene00018132 status:Co
B0035.8	0	2	0	4	0	19.50%	CE05165 WBGene00001922 locus:his-
T26A5.9	0	2	0	4	0	38.20%	CE00788 WBGene00001005 locus:dlc-
ZK795.3	1	2	1	3	4.80%	10.60%	CE18464 WBGene00014083 status:Co
T12A2.7	2	2	2	2	11.80%	11.30%	CE30396 WBGene00020441 status:Co
F52B11.1b	1	2	1	3	3.30%	8.20%	CE33792 WBGene00009924 status:Co
F52B11.1a	1	2	1	3	2.60%	6.30%	CE33791 WBGene00009924 status:Co
F45F2.12	0	2	0	4	0	19.50%	CE10538 WBGene00001882 locus:his-
Y37E3.8a	1	3	1	3	10.30%	17.20%	CE26774 WBGene00021350 status:Co
T10C6.5	1	2	2	2	4.30%	7.80%	CE16380 WBGene00011687 status:Co
F54E12.4	0	2	0	4	0	19.50%	CE05165 WBGene00001932 locus:his-
R151.3	1	2	1	3	3.20%	12.90%	CE00744 WBGene00004417 locus:rpl-
F23B12.7	0	3	0	4	0	3.90%	CE09599 WBGene00009084 CCAAT bi
T21B10.5	2	2	2	2	9.20%	9.20%	CE23994 WBGene00011887 locus:set-
F57B9.6a	0	3	0	4	0	10.00%	CE01341 WBGene00002083 locus:inf-
R06A4.9	2	1	2	2	3.10%	2.30%	CE21113 WBGene00011051 six WD40
F56E10.4	0	3	0	4	0	31.30%	CE19904 WBGene00004496 locus:rps-
C01F6.6c	0	4	0	4	0	15.60%	CE39888 WBGene00006438 locus:tag-
C01F6.6b	0	4	0	4	0	10.90%	CE30848 WBGene00006438 locus:tag-
C01F6.6a	0	4	0	4	0	14.10%	CE30847 WBGene00006438 locus:tag-
C01F6.6e	0	4	0	4	0	19.90%	CE39890 WBGene00006438 locus:tag-
C01F6.6d	0	4	0	4	0	14.80%	CE39889 WBGene00006438 locus:tag-
C41C4.8	0	4	0	4	0	7.40%	CE05402 WBGene00008053 locus:cdc-
F52D10.3a	1	3	1	3	0.069	0.169	CE03389 WBGene00001502 locus:ftt-2
F52D10.3b	1	3	1	3	8.60%	21.20%	CE36489 WBGene00001502 locus:ftt-2
K06C4.12	0	2	0	4	0	19.50%	CE10538 WBGene00001896 locus:his-
F37C12.11	2	2	2	2	12.50%	31.80%	CE30779 WBGene00004490 locus:rps-
Y119D3B.15	0	3	0	4	0	53.70%	CE34396 WBGene00022492 status:Co
C16A3.9	0	4	0	4	0	19.20%	CE04009 WBGene00004482 locus:rps-
Y69A2AR.18a	0	4	0	4	0	15.40%	CE27514 WBGene00022089 status:Co
ZC434.2	0	3	0	4	0	20.60%	CE06577 WBGene00004476 locus:rps-
E01A2.4	1	2	1	3	3.20%	6.30%	CE24871 WBGene00017086 status:Co
C17G10.5	0	3	0	4	0	14.30%	CE06846 WBGene00003097 locus:lys-
F07B7.4	0	2	0	4	0	17.00%	CE26800 WBGene00001926 locus:his-
F55G1.3	0	2	0	4	0	19.50%	CE05165 WBGene00001936 locus:his-
T21B10.2a	2	2	2	2	6.50%	6.00%	CE03684 WBGene00011884 locus:enol
T21B10.2c	2	2	2	2	6.00%	5.60%	CE36954 WBGene00011884 locus:enol
T21B10.2b	2	2	2	2	8.30%	7.70%	CE32730 WBGene00011884 locus:enol
Y38A10A.5	0	3	0	4	0	8.90%	CE21562 WBGene00000802 locus:crt-
Y39A3CL.7a	1	3	1	3	2.10%	7.50%	CE28979 WBGene00021443 status:Pa
T05C3.5	1	2	2	2	5.00%	5.20%	CE13229 WBGene00001037 locus:dnj-

F17C11.9c	0	3	0	4	0	11.80%	CE39492 WBGene00008920 status:Co
C50F4.5	0	2	0	4	0	19.50%	CE05470 WBGene00001915 locus:his-
Y57A10A.25	0	4	0	4	0	9.80%	CE22629 WBGene00013265 status:Pa
Y57A10A.27	0	3	0	4	0	11.30%	CE25507 WBGene00013267 status:Pa
T03E6.7	1	1	2	2	6.20%	5.60%	CE16333 WBGene00000776 locus:cpl-
C18A3.3	1	2	2	2	5.00%	8.80%	CE28890 WBGene00015941 status:Co
F52E4.1b	0	4	0	4	0	13.20%	CE30139 WBGene00018701 locus:pcc
F52E4.1a	0	4	0	4	0	12.90%	CE07269 WBGene00018701 locus:pcc
ZK721.2	0	4	0	4	0	14.00%	CE40008 WBGene00006764 locus:unc
C04F12.4	1	3	1	3	8.90%	17.80%	CE19677 WBGene00004426 locus:rpl-
R13A5.8	0	4	0	4	0	19.60%	CE01380 WBGene00004420 locus:rpl-
C28H8.11a	0	4	0	4	0	8.70%	CE01822 WBGene00016201 tryptopha
R05D11.8	0	3	0	4	0	8.50%	CE06243 WBGene00011036 locus:edc
C07H6.8	0	4	0	4	0	10.70%	CE30241 WBGene00000854 locus:cux
F25G6.2	1	3	1	3	1.20%	4.00%	CE30764 WBGene00017797 status:Pa
F07B7.11	0	2	0	4	0	17.00%	CE26800 WBGene00001928 locus:his-
F44F4.11	0	3	0	4	0	10.30%	CE18680 WBGene00006530 locus:tba-
F08G2.1	0	2	0	4	0	19.70%	CE07075 WBGene00001918 locus:his-
F13H8.2	1	3	1	3	2.50%	6.70%	CE27127 WBGene00017435 beta trans
F52E1.7a	0	3	0	3	0	15.40%	CE04635 WBGene00002021 locus:hsp
F52E1.7b	0	3	0	3	0	15.50%	CE35323 WBGene00002021 locus:hsp
F35H10.1	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001904 locus:his-
K06C4.2	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001902 locus:his-
K06C4.3	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001895 locus:his-
F59G1.3	1	1	2	1	1.80%	2.40%	CE39945 WBGene00006933 locus:vps-
F20D1.4	1	2	1	2	7.30%	15.10%	CE09497 WBGene00008976 transcripti
Y106G6H.3	0	3	0	3	0	28.30%	CE20413 WBGene00004444 locus:rpl-
K02F2.5	0	2	0	3	0	16.30%	CE31353 WBGene00019324 status:Co
T05C12.10	0	3	0	3	0	3.60%	CE34989 WBGene00004264 locus:qua
H02I12.7	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001939 locus:his-
K02B2.5	1	2	1	2	8.50%	20.50%	CE04691 WBGene00004494 locus:rps-
T10C6.14	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001875 locus:his-
T10C6.12	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001877 locus:his-
ZK813.1	1	0	3	0	4.80%	0	CE33752 WBGene00022820 status:Co
ZK813.3	2	0	3	0	26.10%	0	CE41093 WBGene00022822 status:Co
ZK131.8	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001888 locus:his-
ZK131.1	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001900 locus:his-
ZK131.6	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001886 locus:his-
ZK131.4	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001884 locus:his-
K01C8.10	1	2	1	2	3.50%	7.00%	CE02262 WBGene00000379 locus:cct-
F20B6.2	0	2	0	3	0	4.70%	CE04424 WBGene00006921 locus:vha
F23H12.5	1	2	1	2	2.60%	5.00%	CE05708 WBGene00009094 Thrombos
T28D9.2d	0	2	0	3	0	9.10%	CE36574 WBGene00004702 locus:rsp-
T28D9.2b	0	2	0	3	0	11.40%	CE36573 WBGene00004702 locus:rsp-
T28D9.2a	0	2	0	3	0	9.10%	CE36572 WBGene00004702 locus:rsp-
ZK154.3	1	2	1	2	3.40%	4.50%	CE15257 WBGene00003171 locus:mec
F14H8.1	0	2	0	3	0	6.70%	CE35859 WBGene00008832 locus:obr-
R08D7.5	0	2	0	3	0	24.30%	CE33292 WBGene00011145 caltractin
B0035.7	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001921 locus:his-
B0035.9	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001920 locus:his-
K11H12.2	0	3	0	3	0	17.60%	CE12148 WBGene00004427 locus:rpl-
C50F4.13	1	2	1	2	7.10%	12.60%	CE05477 WBGene00001909 locus:his-
C55A6.9	1	2	1	2	2.80%	8.70%	CE20614 WBGene00008338 status:Pa
C25A1.4	2	0	3	0	6.60%	0	CE08369 WBGene00007706 RNA bind
C44E4.5	2	1	2	1	5.20%	3.00%	CE41306 WBGene00016654 status:Pa
T09A5.6	0	2	0	3	0	15.00%	CE01087 WBGene00007014 locus:mdt
T20B3.2	0	2	0	3	0	10.00%	CE20087 WBGene00006585 locus:tni-
Y37E3.8b	1	2	1	2	17.00%	17.00%	CE26904 WBGene00021350 status:Co
C06A1.1	0	3	0	3	0	5.20%	CE02114 WBGene00007352 locus:cdc-
Y113G7B.23	1	2	1	2	4.10%	5.60%	CE25208 WBGene00004203 locus:psa
F54E12.5	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001931 locus:his-
F54E12.3	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001930 locus:his-
Y56A3A.1a	1	2	1	2	1.60%	4.90%	CE33892 WBGene00003826 locus:ntl-
EEED8.7b	3	0	3	0	29.40%	0	CE27910 WBGene00004701 locus:rsp-
EEED8.7a	3	0	3	0	18.90%	0	CE01891 WBGene00004701 locus:rsp-
T21B10.3	2	0	3	0	2.20%	0	CE23993 WBGene00011885 status:Pa
F55G1.11	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001934 locus:his-
F55G1.10	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001935 locus:his-
Y54G2A.12	1	2	1	2	4.00%	10.60%	CE41063 WBGene00021877 status:Pa
C02A12.4	1	1	2	1	5.30%	5.30%	CE07828 WBGene00003096 locus:lys-
F45E1.7b	0	3	0	3	0	9.30%	CE37111 WBGene00018467 locus:sdp
F45E1.7a	0	3	0	3	0	9.40%	CE29323 WBGene00018467 locus:sdp
R08C7.3	2	1	2	1	17.90%	6.40%	CE07426 WBGene00019947 locus:htz-
C42C1.14	0	3	0	3	0	30.90%	CE26911 WBGene00004448 locus:rpl-
K06C4.10	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001892 locus:his-
K06C4.11	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001893 locus:his-
T22D1.10	0	3	0	3	0	9.80%	CE17254 WBGene00020687 locus:ruvb
Reverse_C07A12.1b	1	1	1	2	1.50%	1.50%	CE07992 WBGene00001821 locus:ham
Reverse_C07A12.1a	1	1	1	2	1.50%	1.50%	CE39669 WBGene00001821 locus:ham
F27D4.1	0	2	0	3	0	9.00%	CE24926 WBGene00009187 electron t
C52E4.4	0	2	0	3	0	11.30%	CE08946 WBGene00004501 locus:rpt-

K03A1.6	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001912 locus:his-
F31E3.1	0	3	0	3	0	12.70%	CE01241 WBGene00000443 locus:ceh
F54C9.1	1	2	1	2	5.00%	5.00%	CE02249 WBGene00002065 locus:iff-2
Y69A2AR.18b	0	3	0	3	0	10.90%	CE29133 WBGene00022089 status:Co
Y69A2AR.18c	0	3	0	3	0	17.00%	CE33241 WBGene00022089 status:Co
H32C10.2	1	2	1	2	5.80%	8.60%	CE21004 WBGene00003019 locus:lin-3
JC8.3a	0	3	0	3	0	20.60%	CE17986 WBGene00004424 locus:rpl-1
H28O16.1b	1	1	1	2	10.30%	10.30%	CE34194 WBGene00010419 status:Co
T28D6.2	0	2	0	3	0	6.30%	CE16521 WBGene00006533 locus:tba-
Y48B6A.2	1	2	1	2	9.90%	18.70%	CE22117 WBGene00004456 locus:rpl-4
F07B7.9	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001924 locus:his-
F07B7.3	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001927 locus:his-
F45F2.3	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001879 locus:his-
F45F2.4	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001881 locus:his-
Reverse_C06E1.8	1	1	1	2	1.50%	1.50%	CE00063 WBGene00015523 status:Pre
Y18D10A.17	2	1	2	1	6.20%	4.10%	CE21413 WBGene00012484 locus:car-
K10D2.1b	0	2	0	3	0	4.80%	CE39597 WBGene00019627 status:Pa
K10D2.1a	0	2	0	3	0	2.60%	CE02013 WBGene00019627 status:Pa
F13E6.1	0	3	0	3	0	22.60%	CE31474 WBGene00008745 D52 prote
M142.5	1	2	1	2	5.70%	14.40%	CE37539 WBGene00010922 status:Co
F59B8.2	0	3	0	3	0	10.70%	CE03436 WBGene00010317 isocitrate
Y105E8B.1e	0	3	0	3	0	15.60%	CE31733 WBGene00002978 locus:lev-
Y105E8B.1c	0	3	0	3	0	15.60%	CE29059 WBGene00002978 locus:lev-
R07E5.1	1	2	1	2	1.80%	3.60%	CE00658 WBGene00011109 status:Par
F53B7.3	0	2	0	3	0	10.90%	CE05922 WBGene00009966 status:Co
D1054.10	3	0	3	0	18.60%	0	CE05528 WBGene00008377 status:Co
C50F4.7	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001911 locus:his-3
ZK512.5	0	2	0	3	0	2.80%	CE00411 WBGene00013985 status:Pa
E04A4.7	0	3	0	3	0	23.40%	CE16968 WBGene00017121 locus:cyc-
C05E4.9b	0	3	0	3	0	4.90%	CE32565 WBGene00001564 locus:gei-
C05E4.9a	0	3	0	3	0	4.30%	CE23521 WBGene00001564 locus:gei-
C16C10.6	1	2	1	2	4.30%	10.20%	CE01497 WBGene00007627 locus:ccd
F09E10.8a	0	3	0	3	0	9.50%	CE27939 WBGene00017298 locus:toca
K12H4.7b	0	2	0	3	0	6.10%	CE32697 WBGene00019682 status:Co
K12H4.7a	0	2	0	3	0	5.70%	CE32696 WBGene00019682 status:Co
T04A8.6	0	3	0	3	0	13.40%	CE01075 WBGene00011408 ribonuleop
Y73E7A.2	0	3	0	3	0	11.90%	CE32277 WBGene00022269 status:Pa
Y53C12B.1	1	2	1	2	1.80%	3.90%	CE14894 WBGene00013143 WD doma
C53A5.3	0	3	0	3	0	8.00%	CE08952 WBGene00001834 locus:hda
F01F1.12a	0	3	0	3	0	11.50%	CE01225 WBGene00017166 Fructose-
F01F1.12b	0	3	0	3	0	16.20%	CE30646 WBGene00017166 status:Co
C55B7.4a	0	3	0	3	0	10.80%	CE09015 WBGene00016943 locus:acd
F39H2.2b	0	3	0	3	0	16.80%	CE32411 WBGene00000890 locus:sig-
F39H2.2a	0	3	0	3	0	14.10%	CE32410 WBGene00000890 locus:sig-
T22D1.9	1	2	1	2	1.20%	3.00%	CE17253 WBGene00004458 locus:rpn-
Y73B3A.18b	1	2	1	2	5.50%	9.00%	CE31261 WBGene00022219 status:Pa
Y73B3A.18a	1	2	1	2	4.70%	7.70%	CE27328 WBGene00022219 status:Pa
D1037.3	0	2	0	3	0	17.10%	CE20622 WBGene00001501 locus:ftn-2
C41G7.1b	0	2	0	3	0	15.00%	CE27843 WBGene00004887 locus:smr
F07B7.10	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001925 locus:his-
Reverse_F15D4.7	1	0	3	0	0.30%	0	CE23659 WBGene00008864 status:Pre
F22B3.1	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001938 locus:his-
ZK131.10	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001890 locus:his-
F08G2.2	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001917 locus:his-
F17E9.12	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001905 locus:his-
F17E9.13	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001907 locus:his-
R144.7a	0	3	0	3	0	5.20%	CE39272 WBGene00020097 locus:larp
R144.7b	0	3	0	3	0	4.20%	CE31582 WBGene00020097 locus:larp
T23D8.5	2	1	2	1	16.50%	6.80%	CE03252 WBGene00001941 locus:his-
T23D8.6	1	2	1	2	7.10%	12.60%	CE04501 WBGene00001942 locus:his-
F52B10.1	2	1	2	1	1.70%	0.80%	CE31177 WBGene00003776 locus:nmy
F53A2.7	0	2	0	2	0	11.40%	CE10878 WBGene00009952 Thiolases
Y92C3B.2b	0	2	0	2	0	21.70%	CE25626 WBGene00006697 locus:uaf-
F25H5.3b	0	2	0	2	0	5.80%	CE15899 WBGene00009126 Pyruvate
F25H5.3a	0	2	0	2	0	6.20%	CE15898 WBGene00009126 Pyruvate
F25H5.3d	0	2	0	2	0	6.30%	CE37832 WBGene00009126 Pyruvate
F25H5.3c	0	2	0	2	0	6.60%	CE36135 WBGene00009126 status:Co
M106.1	2	0	2	0	2.10%	0	CE18083 WBGene00003367 locus:mix-
T24G10.2	0	2	0	2	0	8.90%	CE37993 WBGene00020779 status:Pa
F32A7.5a	0	2	0	2	0	3.90%	CE09846 WBGene00009306 claustrin l
F32A7.5c	0	2	0	2	0	3.90%	CE34179 WBGene00009306 status:Pa
F32A7.5b	0	2	0	2	0	4.50%	CE34178 WBGene00009306 status:Pa
F53A3.3	0	2	0	2	0	17.70%	CE10884 WBGene00004491 locus:rps-
F57B10.3b	0	2	0	2	0	7.10%	CE33113 WBGene00019001 status:Co
F57B10.3a	0	2	0	2	0	6.90%	CE11302 WBGene00019001 phosphog
K01G5.2b	0	2	0	2	0	9.00%	CE25037 WBGene00001996 locus:hpl-
K01G5.2c	0	2	0	2	0	8.90%	CE25038 WBGene00001996 locus:hpl-
K01G5.2a	0	2	0	2	0	15.40%	CE16191 WBGene00001996 locus:hpl-
C48B6.6a	0	2	0	2	0	1.00%	CE30258 WBGene00004879 locus:smg
C26B2.3c	0	2	0	2	0	4.80%	CE37709 WBGene00003625 locus:nhr-
C26B2.3a	0	2	0	2	0	4.50%	CE17474 WBGene00003625 locus:nhr-

C44B12.2	0	1	0	2	0	7.60%	CE08703 WBGene00003893 locus:ost-
ZC518.3a	0	2	0	2	0	4.80%	CE31743 WBGene00000376 locus:ccr-
ZC518.3b	0	2	0	2	0	4.70%	CE31744 WBGene00000376 locus:ccr-
ZC518.3c	0	2	0	2	0	4.90%	CE31745 WBGene00000376 locus:ccr-
T28D9.10	0	2	0	2	0	24.60%	CE02065 WBGene00004916 locus:snr-
T07A5.6c	1	1	1	1	12.50%	12.50%	CE41450 WBGene00044098 status:Co
T07A5.6b	1	1	1	1	18.00%	18.00%	CE38102 WBGene00044098 status:Co
T07A5.6a	1	1	1	1	20.40%	20.40%	CE23955 WBGene00044098 status:Co
Y75B12B.5	0	2	0	2	0	19.70%	CE20374 WBGene00000879 locus:cyn-
C32E8.2b	0	2	0	2	0	25.00%	CE33562 WBGene00004425 locus:rpl-
Y62H9A.4	2	0	2	0	9.00%	0	CE19240 WBGene00013392 status:Co
M01B12.5a	0	2	0	2	0	5.50%	CE30555 WBGene00019698 status:Co
K12G11.3	0	2	0	2	0	7.40%	CE12212 WBGene00010790 locus:sod
K10B3.10	1	1	1	1	0.80%	0.40%	CE07373 WBGene00004951 locus:spc-
Y24D9A.1b	2	0	2	0	5.50%	0	CE29994 WBGene00021281 status:Co
Y24D9A.1a	2	0	2	0	4.00%	0	CE21464 WBGene00021281 status:Co
W02F12.5	1	1	1	1	4.10%	4.50%	CE31083 WBGene00020950 dihydrolip
C33H5.6	1	1	1	1	6.50%	5.20%	CE04149 WBGene00016373 status:Pa
W01D2.1	0	2	0	2	0	20.70%	CE18312 WBGene00012179 ribosomal
T23B5.1a	0	2	0	2	0	4.00%	CE18281 WBGene00011939 status:Co
T23B5.1b	0	2	0	2	0	7.80%	CE39779 WBGene00011939 status:Co
F52B5.6	1	1	1	1	7.50%	8.90%	CE05721 WBGene00004439 locus:rpl-
R03G5.1b	1	1	1	1	13.00%	18.20%	CE33153 WBGene00001169 locus:eft-
F59A2.5	0	1	0	2	0	11.40%	CE01023 WBGene00010305 status:Pa
K05C4.5	1	1	1	1	2.00%	2.00%	CE19973 WBGene00010582 status:Co
ZK1127.9c	0	2	0	2	0	4.50%	CE29626 WBGene00022855 status:Pa
ZK1127.9a	0	2	0	2	0	3.40%	CE28172 WBGene00022855 status:Pa
ZK1127.9b	0	2	0	2	0	3.40%	CE28173 WBGene00022855 status:Pa
ZK1127.9e	0	2	0	2	0	5.10%	CE33493 WBGene00022855 status:Pa
Y55B1AR.1	1	1	1	1	14.40%	6.20%	CE22493 WBGene00002269 locus:lec-
Y56A3A.1b	1	1	1	1	5.60%	10.10%	CE18516 WBGene00003826 locus:ntl-
T19A6.2b	0	2	0	2	0	5.10%	CE32494 WBGene00003596 locus:ngp
T19A6.2a	0	2	0	2	0	4.60%	CE32493 WBGene00003596 locus:ngp
T19A6.2c	0	2	0	2	0	4.90%	CE38417 WBGene00003596 locus:ngp
F54C4.2	1	1	1	1	5.80%	15.00%	CE19891 WBGene00005014 locus:spt-
F32E10.4	0	2	0	2	0	4.50%	CE20745 WBGene00002074 locus:ima-
F47B10.1	0	2	0	2	0	6.20%	CE03351 WBGene00009812 succinate-
F53H1.1	0	2	0	2	0	2.60%	CE27427 WBGene00018776 helicase s
T05G5.6	1	1	1	1	4.50%	4.50%	CE00318 WBGene00001155 locus:ech-
ZK1098.1	1	1	1	1	1.50%	1.50%	CE03847 WBGene00014218 WW/rsp5
ZK973.6	0	2	0	2	0	0.40%	CE33588 WBGene00000140 locus:anc-
C47E12.4d	0	1	0	2	0	5.50%	CE05448 WBGene00008149 locus:pyp-
C47E12.4b	0	1	0	2	0	3.90%	CE33768 WBGene00008149 locus:pyp-
C47E12.4c	0	1	0	2	0	3.90%	CE33769 WBGene00008149 locus:pyp-
C47E12.4a	0	1	0	2	0	4.70%	CE33767 WBGene00008149 locus:pyp-
C56G7.1	1	0	2	0	6.40%	0	CE01531 WBGene00003372 locus:mlc-
R06C7.10	0	1	0	2	0	0.70%	CE06253 WBGene00002348 locus:let-7
F39H12.3	1	1	1	1	8.10%	6.20%	CE40651 WBGene00018214 status:Pre
C05D11.11a	0	2	0	2	0	6.60%	CE01130 WBGene00003214 locus:mel-
C05D11.11b	0	2	0	2	0	6.30%	CE29661 WBGene00003214 locus:mel-
T27C4.4d	1	1	1	1	3.40%	1.70%	CE33331 WBGene00003025 locus:lin-4
T27C4.4a	1	1	1	1	2.90%	1.50%	CE21211 WBGene00003025 locus:lin-4
T27C4.4b	1	1	1	1	3.40%	1.70%	CE21212 WBGene00003025 locus:lin-4
T27C4.4c	1	1	1	1	4.00%	2.00%	CE33330 WBGene00003025 locus:lin-4
F54A3.3	0	2	0	2	0	5.70%	CE31540 WBGene00018782 status:Pa
F01G4.1	1	1	1	1	1.10%	1.00%	CE05553 WBGene00004204 locus:psa-
F46E10.10a	0	2	0	2	0	8.60%	CE20820 WBGene00018491 lactate de
F09E5.1	1	1	1	1	2.70%	2.70%	CE02604 WBGene00004034 locus:pkc-
Y49E10.15	0	2	0	2	0	32.20%	CE22230 WBGene00004919 locus:snr-
C48B6.2	0	2	0	2	0	12.60%	CE08804 WBGene00016740 ribosomal
Y39B6A.14	0	2	0	2	0	3.20%	CE40630 WBGene00012676 locus:pro-
F31E3.3	0	2	0	2	0	8.40%	CE01268 WBGene00004340 locus:rfc-
F01F1.8a	0	2	0	2	0	5.80%	CE01234 WBGene00000381 locus:cct-
B0464.2	1	1	1	1	1.40%	1.50%	CE20456 WBGene00007184 TPR Dom
F20G4.3	2	0	2	0	1.90%	0	CE27133 WBGene00003777 locus:nmy
F23C8.5	0	2	0	2	0	11.40%	CE29774 WBGene00017734 electron tr
F29G9.5	0	1	0	2	0	4.70%	CE09799 WBGene00004502 locus:rpt-
ZK20.3	0	1	0	2	0	2.20%	CE06606 WBGene00013924 locus:rad-
C25A11.4e	1	1	1	1	1.50%	1.50%	CE39677 WBGene00000100 locus:ajm-
C25A11.4d	1	1	1	1	0.90%	0.90%	CE30874 WBGene00000100 locus:ajm-
C25A11.4c	1	1	1	1	1.10%	1.10%	CE27085 WBGene00000100 locus:ajm-
C25A11.4b	1	1	1	1	1.40%	1.40%	CE27084 WBGene00000100 locus:ajm-
C25A11.4a	1	1	1	1	0.90%	0.90%	CE27083 WBGene00000100 locus:ajm-
ZK863.6	1	1	1	1	13.00%	13.00%	CE15445 WBGene00001088 locus:dpy-
Y49A3A.5	0	1	0	2	0	7.30%	CE22213 WBGene00000877 locus:cyn-
Y49A3A.2	0	2	0	2	0	5.30%	CE22210 WBGene00013025 locus:vha-
C30C11.4	0	2	0	2	0	4.80%	CE00103 WBGene00016250 Msi3p sta
F38H4.9	0	1	0	2	0	4.70%	CE10074 WBGene00002363 locus:let-9
Y45F10C.2	2	0	2	0	24.80%	0	CE16636 WBGene00012878 status:Co
Y108F1.5	0	1	0	2	0	3.00%	CE31829 WBGene00022433 status:Pre
F31F4.15	0	2	0	2	0	2.90%	CE09835 WBGene00017962 locus:fbxa

D1054.14	0	1	0	2	0	4.10%	CE05532 WBGene00008380 status:Co
C37C3.6c	0	2	0	2	0	2.40%	CE30735 WBGene00016498 locus:ppn
C37C3.6a	0	2	0	2	0	2.20%	CE17535 WBGene00016498 locus:ppn
C37C3.6b	0	2	0	2	0	1.60%	CE17536 WBGene00016498 locus:ppn
C37C3.2b	0	2	0	2	0	5.70%	CE29707 WBGene00016496 status:Co
C37C3.2a	0	2	0	2	0	5.30%	CE27367 WBGene00016496 status:Co
C37C3.2c	0	2	0	2	0	5.60%	CE32821 WBGene00016496 status:Co
ZK652.1	1	1	1	1	21.20%	21.20%	CE00446 WBGene00004918 locus:snr-
T22F3.3b	0	1	0	2	0	1.70%	CE20769 WBGene00020696 status:Co
T22F3.3a	0	1	0	2	0	1.60%	CE24003 WBGene00020696 status:Co
Y67H2A.1	1	1	1	1	2.00%	2.00%	CE32993 WBGene00013460 status:Pa
F08C6.4a	1	0	2	0	4.20%	0	CE27924 WBGene00006063 locus:sto-
F08C6.4b	1	0	2	0	4.30%	0	CE41113 WBGene00006063 locus:sto-
F36F2.3b	0	2	0	2	0	7.40%	CE39152 WBGene00009477 locus:tag-
C25B8.3c	0	2	0	2	0	8.90%	CE41106 WBGene00000786 locus:cpr-
C25B8.3b	0	2	0	2	0	8.70%	CE30876 WBGene00000786 locus:cpr-
C25B8.3a	0	2	0	2	0	8.70%	CE04078 WBGene00000786 locus:cpr-
F45D11.16	0	2	0	2	0	5.00%	CE20794 WBGene00018461 status:Pre
F45D11.15	0	2	0	2	0	5.00%	CE20794 WBGene00018460 status:Pre
F45D11.14	0	2	0	2	0	4.90%	CE23736 WBGene00018459 status:Pre
F58A4.9	0	2	0	2	0	21.50%	CE00225 WBGene00010230 RNA Pol I
C24H11.9	0	2	0	2	0	27.70%	CE36687 WBGene00007704 locus:mdt
K12H4.3	0	1	0	2	0	4.80%	CE00268 WBGene00019678 status:Co
K01C8.9	0	2	0	2	0	5.00%	CE02270 WBGene00003821 locus:nst-
Y48A6B.13	1	1	1	1	3.50%	7.30%	CE19195 WBGene00012973 locus:spa
Y53C12B.2	0	2	0	2	0	11.60%	CE14896 WBGene00013144 status:Co
K04F10.7	0	2	0	2	0	11.60%	CE18015 WBGene00019399 status:Co
C28H8.11b	0	2	0	2	0	5.70%	CE32153 WBGene00016201 status:Pa
C07H6.4	0	1	0	2	0	1.40%	CE00755 WBGene00015581 Probable
C55B7.4b	0	2	0	2	0	11.90%	CE32840 WBGene00016943 locus:acd
C03D6.8	0	1	0	2	0	8.00%	CE05202 WBGene00004437 locus:rpl-2
F09F7.2b	0	2	0	2	0	41.10%	CE30652 WBGene00003371 locus:mlc-
C41G7.1a	0	1	0	2	0	7.10%	CE08665 WBGene00004887 locus:smr
T08G11.1a	1	0	2	0	0.50%	0	CE13443 WBGene00011629 nucleotide
T08G11.1b	1	0	2	0	0.50%	0	CE30353 WBGene00011629 nucleotide
C55B7.9	0	2	0	2	0	10.80%	CE09020 WBGene00007018 locus:mdt
F17C11.8	0	2	0	2	0	8.10%	CE38502 WBGene00008919 locus:tag-
C26D10.2a	0	2	0	2	0	7.10%	CE03025 WBGene00001840 locus:hel-
F54E2.3b	2	0	2	0	0.60%	0	CE28729 WBGene00004130 locus:ketr
F54E2.3a	2	0	2	0	0.50%	0	CE30078 WBGene00004130 locus:ketr
F54E2.3d	2	0	2	0	0.50%	0	CE30808 WBGene00004130 locus:ketr
F54E2.3c	2	0	2	0	0.50%	0	CE30807 WBGene00004130 locus:ketr
W03F8.1	0	2	0	2	0	12.40%	CE29829 WBGene00006586 locus:tni-4
K08D10.3	0	1	0	2	0	7.80%	CE07355 WBGene00004386 locus:rnp-
Y22D7AL.10	0	2	0	2	0	27.80%	CE27242 WBGene00021248 status:Co
T07A9.11	0	2	0	2	0	20.60%	CE40119 WBGene00004493 locus:rps-
C08F11.12	2	0	2	0	24.80%	0	CE17389 WBGene00007459 status:Co
Y75B8A.8	0	2	0	2	0	3.50%	CE34135 WBGene00013545 status:Pa
T14F9.1	0	1	0	2	0	4.00%	CE07497 WBGene00020507 locus:vha
K06C4.5	0	1	0	1	0	6.60%	CE03253 WBGene00001891 locus:his-
B0285.1	0	1	0	1	0	1.40%	CE31401 WBGene00007135 serine\thr
Y18H1A.2	0	1	0	1	0	4.40%	CE21438 WBGene00021208 status:Co
C36E6.3	0	1	0	1	0	10.00%	CE34269 WBGene00003369 locus:mlc-
C36E6.5	0	1	0	1	0	10.00%	CE20542 WBGene00003370 locus:mlc-
T13C2.4	0	1	0	1	0	11.20%	CE39774 WBGene00020480 LDL recep
F35G12.2	0	1	0	1	0	3.00%	CE31500 WBGene00009440 isocitrate
B0336.3	0	1	0	1	0	2.10%	CE29542 WBGene00015143 status:Pa
K10C3.4	1	0	1	0	3.00%	0	CE12080 WBGene00010731 status:Pa
F35H12.3	1	0	1	0	2.30%	0	CE24946 WBGene00004769 locus:sel-
F45E1.6	0	1	0	1	0	6.60%	CE01943 WBGene00001945 locus:his-
H22K11.1	0	1	0	1	0	4.00%	CE19495 WBGene00000216 locus:asp-
Y67D8C.10a	0	1	0	1	0	1.60%	CE28372 WBGene00003153 locus:mca
Y67D8C.10b	0	1	0	1	0	1.50%	CE28373 WBGene00003153 locus:mca
Y67D8C.10c	0	1	0	1	0	1.60%	CE31664 WBGene00003153 locus:mca
C14C11.6	1	0	1	0	2.10%	0	CE06825 WBGene00003507 locus:mut
W07E6.1	1	0	1	0	2.10%	0	CE28259 WBGene00021073 nucleolar
F07A5.7	0	1	0	1	0	1.60%	CE09197 WBGene00006754 locus:unc-
R07B1.4	0	1	0	1	0	8.10%	CE30562 WBGene00001784 locus:gst-
F56D2.1	0	1	0	1	0	2.80%	CE11226 WBGene00018963 locus:ucr-
Y40B1B.5	0	1	0	1	0	7.50%	CE20239 WBGene00012738 status:Co
K10G9.3	0	1	0	1	0	3.50%	CE31715 WBGene00010757 locus:pad
T01G9.2a	1	0	1	0	3.10%	0	CE27202 WBGene00011344 status:Co
T01G9.2b	1	0	1	0	3.10%	0	CE23937 WBGene00011344 status:Co
Y47D3B.10	0	1	0	1	0	3.20%	CE20261 WBGene00001077 locus:dpy-
Y55F3AM.12	0	1	0	1	0	4.20%	CE22543 WBGene00021929 locus:dca
ZK520.5	0	1	0	1	0	7.00%	CE16730 WBGene00000878 locus:cyn-
H02I12.1	1	0	1	0	1.00%	0	CE37527 WBGene00010351 status:Pa
Y41C4A.10	0	1	0	1	0	17.80%	CE20250 WBGene00001235 locus:elb-
F53A9.10b	1	0	1	0	4.60%	0	CE34878 WBGene00006587 locus:tnt-2
F53A9.10a	1	0	1	0	3.50%	0	CE34313 WBGene00006587 locus:tnt-2
ZK1320.6	0	1	0	1	0	1.90%	CE37598 WBGene00000180 locus:arc-

T10C6.13	0	1	0	1	0	6.60%	CE03253 WBGene00001876 locus:his-
Y37D8A.9b	0	1	0	1	0	4.50%	CE41465 WBGene00003406 locus:mrg
Y37D8A.9a	0	1	0	1	0	4.50%	CE20213 WBGene00003406 locus:mrg
ZK131.3	0	1	0	1	0	6.60%	CE03253 WBGene00001883 locus:his-
ZK131.2	0	1	0	1	0	6.60%	CE03253 WBGene00001899 locus:his-
ZK131.7	0	1	0	1	0	6.60%	CE03253 WBGene00001887 locus:his-
T03F1.3	0	1	0	1	0	4.10%	CE13100 WBGene00020185 locus:pgk
C48B6.6b	0	1	0	1	0	0.60%	CE36919 WBGene00004879 locus:smg
R01H10.1	1	0	1	0	1.90%	0	CE28840 WBGene00001002 locus:div-
Y63D3A.5	0	1	0	1	0	2.70%	CE20336 WBGene00006565 locus:tfg-
T11G6.1a	0	1	0	1	0	2.90%	CE06427 WBGene00002001 locus:hrs-
C13B9.3	0	1	0	1	0	2.30%	CE01778 WBGene00015734 status:Co
R05D3.4b	0	1	0	1	0	1.00%	CE37396 WBGene00007008 locus:rfp-
R05D3.4a	0	1	0	1	0	1.00%	CE00283 WBGene00007008 locus:rfp-
K02F6.3	1	0	1	0	1.40%	0	CE36874 WBGene00019337 status:Pa
JC8.2	1	0	1	0	3.00%	0	CE37529 WBGene00010435 status:Pa
F29D11.2	1	0	1	0	1.90%	0	CE09790 WBGene00009254 status:Pa
C34D4.14	0	1	0	1	0	0.40%	CE17508 WBGene00016405 status:Pa
K07D4.3	1	0	1	0	4.20%	0	CE19527 WBGene00004467 locus:rpn-
C44B11.3	0	1	0	1	0	4.00%	CE24843 WBGene00003175 locus:mec
C02B10.4	0	1	0	1	0	10.00%	CE16801 WBGene00015329 status:Co
K11E8.1e	1	0	1	0	2.40%	0	CE28055 WBGene00006779 locus:unc
K11E8.1f	1	0	1	0	2.50%	0	CE28056 WBGene00006779 locus:unc
K11E8.1g	1	0	1	0	2.50%	0	CE28057 WBGene00006779 locus:unc
K11E8.1h	1	0	1	0	2.30%	0	CE28058 WBGene00006779 locus:unc
K11E8.1a	1	0	1	0	2.30%	0	CE28051 WBGene00006779 locus:unc
K11E8.1b	1	0	1	0	9.50%	0	CE28052 WBGene00006779 locus:unc
K11E8.1c	1	0	1	0	1.80%	0	CE28053 WBGene00006779 locus:unc
K11E8.1d	1	0	1	0	2.70%	0	CE28054 WBGene00006779 locus:unc
K11E8.1i	1	0	1	0	3.70%	0	CE28059 WBGene00006779 locus:unc
K11E8.1k	1	0	1	0	4.30%	0	CE28060 WBGene00006779 locus:unc
K11E8.1l	1	0	1	0	4.30%	0	CE28061 WBGene00006779 locus:unc
C47D12.2	0	1	0	1	0	2.30%	CE20567 WBGene00008136 status:Co
F41E7.5	0	1	0	1	0	13.40%	CE03305 WBGene00009621 locus:fipr-
F43E2.5	0	1	0	1	0	7.70%	CE07241 WBGene00018393 status:Co
F37A4.5	1	0	1	0	4.10%	0	CE00707 WBGene00018135 status:Pa
B0035.4	0	1	0	1	0	12.70%	CE05162 WBGene00007107 locus:pfd-
ZK686.4	1	0	1	0	7.80%	0	CE40676 WBGene00022794 status:Pa
C36B1.8a	1	0	1	0	1.60%	0	CE34472 WBGene00007975 status:Pa
C36B1.8b	1	0	1	0	1.60%	0	CE34473 WBGene00007975 status:Pa
F01F1.9	0	1	0	1	0	4.00%	CE01235 WBGene00017163 status:Co
Reverse_K12F2.2a	0	1	0	1	0	1.60%	CE31041 WBGene00006874 locus:vab
Reverse_K12F2.2b	0	1	0	1	0	2.90%	CE23870 WBGene00006874 locus:vab
C52E4.6a	0	1	0	1	0	3.50%	CE17597 WBGene00000876 locus:cyl-
C44C1.4a	0	1	0	1	0	1.30%	CE04214 WBGene00016643 locus:vps
T21H3.3	0	1	0	1	0	11.40%	CE13902 WBGene00000552 locus:cmd
M03A8.1	0	1	0	1	0	3.70%	CE04770 WBGene00000991 locus:dhs
ZC155.3	0	1	0	1	0	1.50%	CE23442 WBGene00022531 locus:mor
Y62E10A.12	0	1	0	1	0	11.80%	CE28143 WBGene00003077 locus:lsm
T02H6.1a	0	1	0	1	0	1.50%	CE23942 WBGene00020171 status:Pa
F11G11.9	1	0	1	0	7.60%	0	CE09351 WBGene00017387 status:Pa
F21F8.3	0	1	0	1	0	4.10%	CE09539 WBGene00000218 locus:asp
B0336.12	1	0	1	0	18.30%	0	CE00780 WBGene00015149 status:Pre
T04F3.1	1	0	1	0	0.60%	0	CE39626 WBGene00011436 1-aminocy
Y59A8B.6	1	0	1	0	1.20%	0	CE28858 WBGene00013343 status:Pa
C15A11.3	0	1	0	1	0	2.40%	CE36685 WBGene00004944 locus:sol-
CC4.3	1	0	1	0	3.50%	0	CE15742 WBGene00004895 locus:smu
H27M09.2	0	1	0	1	0	8.10%	CE23831 WBGene00019246 RNA poly
C44E4.6	0	1	0	1	0	20.90%	CE08720 WBGene00016655 locus:acb
C44E4.4	0	1	0	1	0	4.00%	CE08718 WBGene00016653 RNA-bind
F45F2.13	0	1	0	1	0	6.60%	CE03253 WBGene00001880 locus:his-
F53H10.2	0	1	0	1	0	1.30%	CE32433 WBGene00010012 Zinc finge
Y37E3.10	0	1	0	1	0	5.30%	CE29373 WBGene00021351 status:Co
T23B5.1c	0	1	0	1	0	5.50%	CE39780 WBGene00011939 status:Co
Y48B6A.14	0	1	0	1	0	13.70%	CE29377 WBGene00001971 locus:hmg
F54E12.1	0	1	0	1	0	6.60%	CE03253 WBGene00001929 locus:his-
T20F5.6	0	1	0	1	0	1.80%	CE28685 WBGene00020628 zinc finge
Y76B12C.6	0	1	0	1	0	2.90%	CE34618 WBGene00022300 status:Pa
T03F6.1	0	1	0	1	0	5.50%	CE16335 WBGene00011398 locus:qdp
C14F11.1a	0	1	0	1	0	3.90%	CE02477 WBGene00015778 Aspartate
F23F12.6	0	1	0	1	0	4.30%	CE01253 WBGene00004503 locus:rpt-
C27B7.1b	0	1	0	1	0	3.50%	CE03030 WBGene00005007 locus:spr-
C27B7.1a	0	1	0	1	0	3.50%	CE27804 WBGene00005007 locus:spr-
F29F11.6	0	1	0	1	0	4.30%	CE20735 WBGene00001747 locus:gsp
Reverse_Y60A3A.10	0	1	0	1	0	3.90%	CE38457 WBGene00000987 locus:dhs
Y71F9AL.9	0	1	0	1	0	7.30%	CE22858 WBGene00022114 status:Co
C07G2.3a	0	1	0	1	0	3.90%	CE02985 WBGene00000380 locus:cct-
Y49E10.6	0	1	0	1	0	6.60%	CE22223 WBGene00001946 locus:his-
Reverse_W05B2.4	0	1	0	1	0	0.60%	CE20146 WBGene00012272 status:Pre
M03F8.3	1	0	1	0	2.40%	0	CE28622 WBGene00019762 status:Pa
R05D3.7	0	1	0	1	0	2.00%	CE26945 WBGene00006840 locus:unc

W07B8.3	0	1	0	1	0	5.90%	CE28510 WBGene00021071 status:Pa
T05E11.3	0	1	0	1	0	1.80%	CE06362 WBGene00011480 endoplasr
ZK112.2	0	1	0	1	0	1.20%	CE00373 WBGene00003559 locus:ncl-
C46F11.4	0	1	0	1	0	2.60%	CE17559 WBGene00008119 ATP-depe
Y46G5A.4	0	1	0	1	0	0.70%	CE21971 WBGene00012896 status:Pa
F55G1.13	1	0	1	0	2.80%	0	CE07289 WBGene00018906 status:Pa
T17H7.4j	1	0	1	0	2.00%	0	CE31617 WBGene00001573 locus:gei-
T17H7.4i	1	0	1	0	3.10%	0	CE31616 WBGene00001573 locus:gei-
T17H7.4h	1	0	1	0	3.50%	0	CE31615 WBGene00001573 locus:gei-
T17H7.4g	1	0	1	0	3.70%	0	CE31614 WBGene00001573 locus:gei-
T17H7.4l	1	0	1	0	3.60%	0	CE33939 WBGene00001573 locus:gei-
T17H7.4k	1	0	1	0	2.10%	0	CE31618 WBGene00001573 locus:gei-
T17H7.4b	1	0	1	0	2.30%	0	CE28671 WBGene00001573 locus:gei-
K10C3.6a	0	1	0	1	0	2.70%	CE12084 WBGene00003639 locus:nhr-
T17H7.4a	1	0	1	0	2.10%	0	CE28670 WBGene00001573 locus:gei-
T17H7.4f	1	0	1	0	3.70%	0	CE31613 WBGene00001573 locus:gei-
T17H7.4e	1	0	1	0	2.90%	0	CE31612 WBGene00001573 locus:gei-
T17H7.4c	1	0	1	0	2.00%	0	CE28672 WBGene00001573 locus:gei-
K10C3.6c	0	1	0	1	0	2.60%	CE32693 WBGene00003639 locus:nhr-
K10C3.6b	0	1	0	1	0	2.70%	CE28943 WBGene00003639 locus:nhr-
K10C3.6d	0	1	0	1	0	2.70%	CE32694 WBGene00003639 locus:nhr-
Y49F6B.2	0	1	0	1	0	4.80%	CE25336 WBGene00021715 status:Co
W09D6.5	0	1	0	1	0	7.00%	CE19019 WBGene00012358 status:Co
C50F2.6b	0	1	0	1	0	4.00%	CE27878 WBGene00001430 locus:fkb-
C50F2.6a	0	1	0	1	0	4.50%	CE08912 WBGene00001430 locus:fkb-
F44C4.3	0	1	0	1	0	5.40%	CE07251 WBGene00000784 locus:cpr-
Y59H11AR.2b	1	0	1	0	1.20%	0	CE33894 WBGene00022010 status:Pa
Y59H11AR.2a	1	0	1	0	1.20%	0	CE29894 WBGene00022010 status:Pa
C29F3.1	0	1	0	1	0	1.60%	CE08435 WBGene00001150 locus:ech-
K02E11.1	0	1	0	1	0	1.60%	CE37978 WBGene00010510 locus:ent-
R11E3.7a	0	1	0	1	0	2.60%	CE19549 WBGene00001060 locus:dpf-
Y71F9AL.17	0	1	0	1	0	1.10%	CE29136 WBGene00022119 coatomer,
C05D11.1	0	1	0	1	0	1.20%	CE03926 WBGene00015481 status:Co
R06B10.5	0	1	0	1	0	3.40%	CE31050 WBGene00019915 status:Co
T25B9.7	0	1	0	1	0	1.10%	CE32939 WBGene00012013 locus:ugt-
Y113G7A.3	0	1	0	1	0	2.10%	CE27230 WBGene00004754 locus:sec-
Y48G10A.6	1	0	1	0	16.50%	0	CE35092 WBGene00013023 status:Co
F25H8.2	0	1	0	1	0	2.30%	CE05728 WBGene00009132 status:Co
F44G3.6	0	1	0	1	0	7.80%	CE16037 WBGene00004809 locus:skr-
T08B2.7c	0	1	0	1	0	1.70%	CE30299 WBGene00020347 status:Pa
T08B2.7b	0	1	0	1	0	1.60%	CE26950 WBGene00020347 3-hydroxy
T08B2.7a	0	1	0	1	0	1.50%	CE13431 WBGene00020347 3-hydroxy
Reverse_F33E2.3	1	0	1	0	1.20%	0	CE09904 WBGene00009359 Lectin C-t
Y69H2.7	1	0	1	0	3.20%	0	CE41482 WBGene00013482 status:Pa
F54D11.1	0	1	0	1	0	3.00%	CE11068 WBGene00018811 locus:pmt-
C17H12.14	0	1	0	1	0	4.40%	CE19362 WBGene00006917 locus:vha
T05G5.10	1	0	1	0	4.10%	0	CE37787 WBGene00002064 locus:iff-1
ZK970.3	0	1	0	1	0	5.70%	CE02403 WBGene00007022 locus:mdt
Y57G11A.3	0	1	0	1	0	6.00%	CE14912 WBGene00013291 LIM doma
K06C4.13	0	1	0	1	0	6.60%	CE03253 WBGene00001901 locus:his-
F01G10.1	0	1	0	1	0	2.60%	CE09163 WBGene00008506 transketol
C26E6.3	1	0	1	0	4.00%	0	CE32144 WBGene00016139 cell differe
F09G2.9	0	1	0	1	0	3.40%	CE09304 WBGene00017317 status:Co
Y110A7A.14	0	1	0	1	0	8.00%	CE30307 WBGene00003924 locus:pas
T06E6.1	0	1	0	1	0	3.20%	CE13313 WBGene00011538 status:Pa
Y62F5A.1b	0	1	0	1	0	4.70%	CE24545 WBGene00007013 locus:mdt
Y62F5A.1a	0	1	0	1	0	4.30%	CE24544 WBGene00007013 locus:mdt
F22A3.2	0	1	0	1	0	17.90%	CE38505 WBGene00017688 status:Co
F37C4.5a	0	1	0	1	0	2.30%	CE17048 WBGene00018145 status:Co
B0213.3	0	1	0	1	0	15.40%	CE16774 WBGene00003766 locus:nlp-
B0213.6	0	1	0	1	0	13.30%	CE16777 WBGene00003769 locus:nlp-
B0213.4	0	1	0	1	0	13.70%	CE16775 WBGene00003767 locus:nlp-
B0213.5	0	1	0	1	0	14.50%	CE16776 WBGene00003768 locus:nlp-
Y45F10A.3	1	0	1	0	7.70%	0	CE40482 WBGene00012866 status:Pa
R06C1.4	0	1	0	1	0	15.50%	CE18119 WBGene00011059 RNA reco
C27F2.10	0	1	0	1	0	2.20%	CE29189 WBGene00016171 status:Co
F26F12.7	0	1	0	1	0	1.10%	CE17716 WBGene00002637 locus:let-4
F01G12.6	0	1	0	1	0	4.50%	CE07015 WBGene00017171 status:Pa
C52E4.2	0	1	0	1	0	14.20%	CE08944 WBGene00003235 locus:mif-
W03G9.4	0	1	0	1	0	2.90%	CE14560 WBGene00000155 locus:app
R119.4	0	1	0	1	0	3.20%	CE23925 WBGene00004143 locus:pqn
C56G2.7	0	1	0	1	0	5.10%	CE30640 WBGene00016981 status:Co
T10H9.4	0	1	0	1	0	14.70%	CE18252 WBGene00004897 locus:snb-
Y48G9A.1	0	1	0	1	0	1.10%	CE30024 WBGene00021695 status:Pa
F46E10.10c	0	1	0	1	0	6.60%	CE33097 WBGene00018491 status:Co
F46E10.10b	0	1	0	1	0	6.20%	CE33096 WBGene00018491 status:Co
F15E11.14	0	1	0	1	0	10.40%	CE16999 WBGene00017500 status:Pa
K04G7.3b	0	1	0	1	0	1.20%	CE39588 WBGene00003858 locus:ogt-
K04G7.3a	0	1	0	1	0	1.00%	CE25042 WBGene00003858 locus:ogt-
T08G2.3	0	1	0	1	0	3.10%	CE07473 WBGene00020366 acyl-CoA
F15B10.3	1	0	1	0	9.50%	0	CE16989 WBGene00017481 status:Co

R09H3.1	1	0	1	0	0.90%	0	CE07445 WBGene00019990 status:Pre
T28B8.1	0	1	0	1	0	10.60%	CE14329 WBGene00012113 status:Cor
K08E7.5b	1	0	1	0	2.00%	0	CE39390 WBGene00010673 status:Par
K08E7.5c	1	0	1	0	1.10%	0	CE39747 WBGene00010673 status:Par
K08E7.5a	1	0	1	0	0.80%	0	CE11924 WBGene00010673 status:Par
K08E7.5d	1	0	1	0	1.80%	0	CE39392 WBGene00010673 status:Par
Y39A1A.1c	0	1	0	1	0	4.20%	CE37799 WBGene00012641 status:Cor
Y39A1A.1a	0	1	0	1	0	3.90%	CE33215 WBGene00012641 status:Par
Y39A1A.1b	0	1	0	1	0	3.90%	CE33216 WBGene00012641 status:Par
K06H7.4	0	1	0	1	0	3.80%	CE26942 WBGene00001743 locus:grp-
F40A3.3a	0	1	0	1	0	5.90%	CE10146 WBGene00018218 phosphati
F40A3.3b	0	1	0	1	0	7.00%	CE38516 WBGene00018218 status:Cor
Y43F8C.6	0	1	0	1	0	3.30%	CE34120 WBGene00012828 status:Par
F01F1.8b	0	1	0	1	0	3.50%	CE30647 WBGene00000381 locus:cct-
B0513.3	0	1	0	1	0	11.30%	CE15559 WBGene00004443 locus:rpl-2
B0244.2	0	1	0	1	0	2.00%	CE31867 WBGene00002048 locus:ida-
C18E9.2a	1	0	1	0	3.60%	0	CE34703 WBGene00007683 Drosophil
Y71H10B.1c	0	1	0	1	0	1.60%	CE33740 WBGene00022201 status:Par
Y71H10B.1a	0	1	0	1	0	1.60%	CE29140 WBGene00022201 status:Cor
Y71H10B.1b	0	1	0	1	0	1.60%	CE28267 WBGene00022201 status:Par
T28D6.6	1	0	1	0	4.40%	0	CE24022 WBGene00012126 status:Cor
C43E11.9	0	1	0	1	0	6.70%	CE08687 WBGene00016607 status:Cor
T01D3.7	0	1	0	1	0	0.60%	CE40998 WBGene00045409 status:Par
F25H2.9	0	1	0	1	0	5.20%	CE09654 WBGene00003926 locus:pas-
C29F5.4b	0	1	0	1	0	7.30%	CE02511 WBGene00003403 locus:mps
C29F5.4a	0	1	0	1	0	8.60%	CE33602 WBGene00003403 locus:mps
Y54E5B.3a	0	1	0	1	0	5.50%	CE19227 WBGene00002324 locus:let-4
Y54E5B.3b	0	1	0	1	0	5.60%	CE28136 WBGene00002324 locus:let-4
W09H1.6b	1	0	1	0	4.60%	0	CE16577 WBGene00002264 locus:lec-
W09H1.6a	1	0	1	0	4.70%	0	CE16576 WBGene00002264 locus:lec-
B0511.6	0	1	0	1	0	2.60%	CE26853 WBGene00015232 helicase s
ZK632.12	0	1	0	1	0	6.00%	CE01110 WBGene00014019 PH (pleck
B0350.2a	0	1	0	1	0	0.70%	CE06702 WBGene00006780 locus:unc
F02A9.2	0	1	0	1	0	6.60%	CE00133 WBGene00001385 locus:far-
F35C11.5	1	0	1	0	2.50%	0	CE03285 WBGene00009404 phospholi
B0303.3	0	1	0	1	0	2.70%	CE00561 WBGene00015125 Acetyl-coa
F21H12.1	0	1	0	1	0	2.40%	CE32634 WBGene00017683 status:Cor
F10E7.7	0	1	0	1	0	6.50%	CE04362 WBGene00004447 locus:rpl-3
F55A3.3	1	0	1	0	1.40%	0	CE17113 WBGene00018849 transcritpi
B0205.13	1	0	1	0	12.10%	0	CE39199 WBGene00044644 status:Cor
T19B10.3	1	0	1	0	1.20%	0	CE37992 WBGene00011832 beta-galac
R05H5.3	1	0	1	0	7.40%	0	CE02290 WBGene00011038 thioredoxi
F07B7.5	0	1	0	1	0	6.60%	CE03253 WBGene00001923 locus:his-
C28D4.3	0	1	0	1	0	4.30%	CE08432 WBGene00001607 locus:gln-
F55G1.2	0	1	0	1	0	6.60%	CE03253 WBGene00001933 locus:his-
C27H6.4a	0	1	0	1	0	6.20%	CE08428 WBGene00007786 status:Cor
C27H6.4b	0	1	0	1	0	5.10%	CE31322 WBGene00007786 status:Par
F45F2.2	0	1	0	1	0	13.00%	CE36851 WBGene00001913 locus:his-
F54D8.3a	0	1	0	1	0	1.80%	CE29809 WBGene00000107 locus:alh-
F54D8.3b	0	1	0	1	0	2.10%	CE32434 WBGene00000107 locus:alh-
Y17G7B.7	0	1	0	1	0	6.10%	CE19040 WBGene00006601 locus:tpi-1
C36B1.4	0	1	0	1	0	4.70%	CE05371 WBGene00003925 locus:pas-
F42A10.5	0	1	0	1	0	7.00%	CE01296 WBGene00018341 status:Cor
Reverse_F17C8.3	1	0	1	0	0.80%	0	CE35179 WBGene00008910 status:Par
ZK822.2	0	1	0	1	0	7.70%	CE37867 WBGene00014090 status:Cor
B0272.3	0	1	0	1	0	4.90%	CE00852 WBGene00007129 3-hydroxy
C29E4.3b	1	0	1	0	1.50%	0	CE30621 WBGene00004303 locus:ran-
C29E4.3a	1	0	1	0	1.50%	0	CE37483 WBGene00004303 locus:ran-
Y18D10A.19	0	1	0	1	0	13.00%	CE21417 WBGene00001427 locus:fkb-
F46A9.5	1	0	1	0	7.40%	0	CE10580 WBGene00004807 locus:skr-
C06B8.8	0	1	0	1	0	25.70%	CE20485 WBGene00004452 locus:rpl-3
C45G7.5	1	0	1	0	1.00%	0	CE38044 WBGene00000402 locus:cdh-
F29G6.3c	0	1	0	1	0	1.70%	CE36484 WBGene00009259 status:Par
F29G6.3a	0	1	0	1	0	3.20%	CE36483 WBGene00009259 status:Cor
R04A9.4	1	0	1	0	7.00%	0	CE04791 WBGene00002060 locus:ife-2
F40F11.3	0	1	0	1	0	15.10%	CE05862 WBGene00009588 status:Par
ZK593.1	0	1	0	1	0	2.10%	CE24731 WBGene00014001 pyruvate k
H21P03.2	0	1	0	1	0	2.30%	CE40081 WBGene00010409 status:Par
Y47G6A.6	1	0	1	0	1.80%	0	CE24372 WBGene00021636 locus:pca
Reverse_Y49E10.23a	0	1	0	1	0	1.00%	CE22238 WBGene00013042 status:Par
Reverse_Y49E10.23b	0	1	0	1	0	0.90%	CE32078 WBGene00013042 status:Par
ZC373.2	1	0	1	0	19.70%	0	CE02375 WBGene00013867 status:Par
Y47G6A.18	0	1	0	1	0	5.00%	CE24362 WBGene00021644 status:Par
ZK430.1	0	1	0	1	0	1.00%	CE05078 WBGene00022739 status:Par
Y37A1B.2d	1	0	1	0	2.10%	0	CE32247 WBGene00003086 locus:lst-4
Y37A1B.2c	1	0	1	0	2.10%	0	CE32246 WBGene00003086 locus:lst-4
Y37A1B.2b	1	0	1	0	2.00%	0	CE32245 WBGene00003086 locus:lst-4
Y54E10A.10	0	1	0	1	0	4.40%	CE24439 WBGene00021830 status:Cor
F31C3.1	0	1	0	1	0	3.90%	CE17730 WBGene00000881 locus:cyn-
R07E5.2	0	1	0	1	0	5.30%	CE00657 WBGene00011110 locus:prdx
Y45F10D.7	0	1	0	1	0	2.00%	CE39843 WBGene00012887 status:Par

JC8.11a	0	1	0	1	0	16.70%	CE28343 WBGene00010441 status:Pa
F13D12.4a	0	1	0	1	0	3.30%	CE02183 WBGene00000114 locus:alh-
EEED8.2	1	0	1	0	6.00%	0	CE01886 WBGene00017133 status:Co
T24A6.11	0	1	0	1	0	2.80%	CE19591 WBGene00020750 locus:nhr-
Y71H2B.6	1	0	1	0	7.00%	0	CE22945 WBGene00007019 locus:mdt
C17E4.5	0	1	0	1	0	7.30%	CE08254 WBGene00003904 locus:pab
H43I07.2	0	1	0	1	0	3.60%	CE29979 WBGene00019275 transferas
C47D12.6a	0	1	0	1	0	1.40%	CE05434 WBGene00006617 locus:trs-
C47D12.6b	0	1	0	1	0	1.50%	CE33765 WBGene00006617 locus:trs-
Y66H1B.3	0	1	0	1	0	1.60%	CE20347 WBGene00022049 status:Pa
K01G5.4	0	1	0	1	0	5.10%	CE16194 WBGene00004302 locus:ran-
C24G6.8	0	1	0	1	0	5.10%	CE17464 WBGene00016062 status:Co
C14B1.1	0	1	0	1	0	2.90%	CE00897 WBGene00003962 locus:pdi-
C14B1.4	0	1	0	1	0	2.90%	CE00901 WBGene00006474 locus:tag-
K11E4.5a	0	1	0	1	0	3.60%	CE28244 WBGene00003661 locus:nhr-
K11E4.5b	0	1	0	1	0	3.60%	CE37391 WBGene00003661 locus:nhr-
T01B11.2a	0	1	0	1	0	3.00%	CE12894 WBGene00020139 aminotran
T01B11.2b	0	1	0	1	0	8.80%	CE33686 WBGene00020139 status:Co
Y47D3A.31	1	0	1	0	7.10%	0	CE22031 WBGene00012937 status:Co
T05C12.7	0	1	0	1	0	3.60%	CE02319 WBGene00000377 locus:cct-
F55D10.2	1	0	1	0	7.50%	0	CE02777 WBGene00004438 locus:rpl-2
F58E6.1b	0	1	0	1	0	2.10%	CE20893 WBGene00010251 status:Co
C38D4.3	1	0	1	0	1.30%	0	CE36378 WBGene00003210 locus:mel-
R07E4.6b	0	1	0	1	0	3.60%	CE28749 WBGene00002190 locus:kin-
R07E4.6c	0	1	0	1	0	3.20%	CE04821 WBGene00002190 locus:kin-
R07E4.6a	0	1	0	1	0	3.30%	CE39609 WBGene00002190 locus:kin-
F10D11.1	1	0	1	0	6.30%	0	CE09323 WBGene00004931 locus:sod-
T02G5.13a	0	1	0	1	0	3.80%	CE31822 WBGene00020169 locus:mm
T02G5.13b	0	1	0	1	0	5.00%	CE04865 WBGene00020169 locus:mm
T27E9.7	0	1	0	1	0	2.40%	CE18971 WBGene00012097 locus:abc
Y116A8A.9	0	1	0	1	0	4.70%	CE24146 WBGene00003130 locus:map
C54C6.1	0	1	0	1	0	7.70%	CE05493 WBGene00004451 locus:rpl-
Y45G12B.1c	0	1	0	1	0	2.70%	CE33341 WBGene00021562 locus:nuo
Y45G12B.1a	0	1	0	1	0	2.30%	CE21933 WBGene00021562 locus:nuo
F09E10.8b	0	1	0	1	0	2.60%	CE30940 WBGene00017298 locus:toca
F38A5.7	0	1	0	1	0	14.20%	CE10038 WBGene00018164 status:Co
K09E10.1	1	0	1	0	2.60%	0	CE12016 WBGene00019579 status:Pre
T23G11.3	1	0	1	0	3.50%	0	CE14096 WBGene00001595 locus:gld-
F15D4.2	0	1	0	1	0	6.60%	CE09415 WBGene00008859 status:Co
Reverse_R148.1b	0	1	0	1	0	3.20%	CE41329 WBGene00020100 locus:xbx-
Reverse_R148.1a	0	1	0	1	0	2.90%	CE40712 WBGene00020100 locus:xbx-
F58B3.1	0	1	0	1	0	7.90%	CE06003 WBGene00003093 locus:lys-
Reverse_Y53C12A.6	0	1	0	1	0	10.80%	CE14892 WBGene00013141 status:Pa
Y37A1B.17b	1	0	1	0	1.60%	0	CE40431 WBGene00044989 status:Pa
Y37A1B.17a	1	0	1	0	1.50%	0	CE40430 WBGene00044989 status:Pa
C28H8.11c	0	1	0	1	0	8.00%	CE39680 WBGene00016201 status:Co
C38C10.5b	0	1	0	1	0	1.00%	CE34529 WBGene00004343 locus:rgr-
C38C10.5a	0	1	0	1	0	1.00%	CE34528 WBGene00004343 locus:rgr-
E04F6.3	0	1	0	1	0	5.70%	CE01215 WBGene00017123 locus:mac
W05F2.6	0	1	0	1	0	3.30%	CE21260 WBGene00021038 status:Pa
F57B9.3	0	1	0	1	0	4.10%	CE01338 WBGene00018997 Eukaryoti
R12H7.2	0	1	0	1	0	2.90%	CE03567 WBGene00000217 locus:asp
T05H4.12	0	1	0	1	0	8.50%	CE13291 WBGene00020275 locus:atp-
T26E3.7	0	1	0	1	0	10.40%	CE14196 WBGene00012040 ATP synth
C03D6.5	0	1	0	1	0	7.30%	CE36095 WBGene00007277 locus:asfl
W02D3.5	0	1	0	1	0	11.10%	CE14426 WBGene00002258 locus:lbp-
K07A3.1	0	1	0	1	0	3.50%	CE21023 WBGene00001404 locus:fbp-
ZK616.4	0	1	0	1	0	2.80%	CE31753 WBGene00022774 status:Co
K04D7.3	0	1	0	1	0	2.70%	CE06092 WBGene00001794 locus:gta-
B0041.8	0	1	0	1	0	6.00%	CE29528 WBGene00015011 status:Co
F54H12.1c	0	1	0	1	0	2.50%	CE32436 WBGene00000041 locus:aco
F54H12.1a	0	1	0	1	0	2.20%	CE25005 WBGene00000041 locus:aco
F54H12.1b	0	1	0	1	0	2.60%	CE30144 WBGene00000041 locus:aco
Reverse_B0213.4	0	1	0	1	0	13.70%	CE16775 WBGene00003767 locus:nlp-
Reverse_B0213.3	0	1	0	1	0	15.40%	CE16774 WBGene00003766 locus:nlp-
Reverse_B0213.5	0	1	0	1	0	14.50%	CE16776 WBGene00003768 locus:nlp-
Reverse_B0213.6	0	1	0	1	0	13.30%	CE16777 WBGene00003769 locus:nlp-
C27A2.2b	0	1	0	1	0	28.30%	CE29188 WBGene00004434 locus:rpl-2
R11A5.4c	0	1	0	1	0	2.70%	CE36359 WBGene00011232 status:Co
R11A5.4b	0	1	0	1	0	2.70%	CE36358 WBGene00011232 status:Pa
R11A5.4a	0	1	0	1	0	2.40%	CE12728 WBGene00011232 phosphoe
R11A5.4d	0	1	0	1	0	2.60%	CE36360 WBGene00011232 status:Co
Y77E11A.7a	1	0	1	0	2.60%	0	CE34430 WBGene00022310 status:Pa
Y77E11A.7c	1	0	1	0	2.80%	0	CE37300 WBGene00022310 status:Pa
Y77E11A.7b	1	0	1	0	2.70%	0	CE36902 WBGene00022310 status:Pa
M03A1.7	0	1	0	1	0	10.30%	CE33427 WBGene00000928 locus:dao
B0035.10	0	1	0	1	0	6.60%	CE03253 WBGene00001919 locus:his-
Y38A8.2	0	1	0	1	0	7.40%	CE07571 WBGene00003949 locus:pbs
F42E11.4	0	1	0	1	0	3.20%	CE03311 WBGene00006584 locus:tni-1
H06H21.11	0	1	0	1	0	11.90%	CE38837 WBGene00044483 status:Pa
F44B9.7	0	1	0	1	0	4.10%	CE29043 WBGene00004125 locus:pqn

F44B9.8	0	1	0	1	0	3.30%	CE37518 WBGene00018409 ARPA stat
Y41E3.10b	0	1	0	1	0	2.30%	CE40788 WBGene00012768 status:Par
F09F7.4b	0	1	0	1	0	3.00%	CE30654 WBGene00017301 status:Co
F09F7.4a	0	1	0	1	0	2.80%	CE00689 WBGene00017301 Enoyl-CoA
W02D7.4	0	1	0	1	0	9.90%	CE14442 WBGene00020940 status:Par
Y56A3A.17b	0	1	0	1	0	2.00%	CE22585 WBGene00003802 locus:npp
Y56A3A.17a	0	1	0	1	0	2.00%	CE22584 WBGene00003802 locus:npp
Y102A5A.1	0	1	0	1	0	1.20%	CE20378 WBGene00013606 locus:can
T27F6.6	1	0	1	0	1.60%	0	CE34214 WBGene00012105 status:Co
ZC8.6	1	0	1	0	2.20%	0	CE38988 WBGene00022501 status:Par
F56A8.6	0	1	0	1	0	11.90%	CE16126 WBGene00000774 locus:cpf-
C26D10.2b	0	1	0	1	0	5.60%	CE32593 WBGene00001840 locus:hel-
F22B3.2	0	1	0	1	0	6.60%	CE03253 WBGene00001937 locus:his-
C47A10.1	0	1	0	1	0	1.00%	CE15714 WBGene00004003 locus:pgp
K08D12.1	0	1	0	1	0	6.30%	CE25941 WBGene00003947 locus:pbs
W03F9.9	1	0	1	0	6.40%	0	CE14538 WBGene00021003 glucose 1
C15F1.7b	0	1	0	1	0	10.80%	CE20508 WBGene00004930 locus:sod
C15F1.7a	0	1	0	1	0	9.40%	CE23550 WBGene00004930 locus:sod
C01F1.1	0	1	0	1	0	2.90%	CE06742 WBGene00015296 dna bindi
Y53G8AR.9	0	1	0	1	0	5.70%	CE25419 WBGene00021816 status:Par
ZK353.2	0	1	0	1	0	10.10%	CE00386 WBGene00022698 status:Par
K08D10.4	0	1	0	1	0	3.40%	CE28597 WBGene00004385 locus:rnp-
C08H9.2	0	1	0	1	0	1.50%	CE23530 WBGene00007463 high-dens
Y71H10A.1a	0	1	0	1	0	2.70%	CE28266 WBGene00022199 phosphofr
F08G2.3	0	1	0	1	0	6.60%	CE03253 WBGene00001916 locus:his-
F17E9.11	0	1	0	1	0	7.40%	CE07076 WBGene00003099 locus:lys-
F17E9.10	0	1	0	1	0	6.60%	CE03253 WBGene00001906 locus:his-
C49H3.9	0	1	0	1	0	7.40%	CE27873 WBGene00016794 status:Co
F33A8.3	0	1	0	1	0	10.10%	CE17755 WBGene00000472 locus:cey-
ZK1005.1b	0	1	0	1	0	0.90%	CE33259 WBGene00004053 locus:pme
ZK1005.1a	0	1	0	1	0	0.90%	CE24712 WBGene00004053 locus:pme
R74.7	0	1	0	1	0	3.60%	CE23932 WBGene00011281 status:Co
F45H11.3	0	1	0	1	0	2.00%	CE33785 WBGene00009744 status:Par
Y73F4A.2	0	1	0	1	0	6.50%	CE20368 WBGene00013515 status:Co
T10B5.5a	0	1	0	1	0	2.20%	CE28255 WBGene00020391 status:Co
T10B5.5b	0	1	0	1	0	2.60%	CE33316 WBGene00020391 status:Co
F15E11.1	0	1	0	1	0	10.40%	CE16999 WBGene00017490 status:Par
F48E8.5	0	1	0	1	0	2.90%	CE30997 WBGene00003901 locus:paa
K02F3.11	1	0	1	0	5.20%	0	CE29981 WBGene00004388 locus:rnp-
Y57A10C.6	0	1	0	1	0	3.90%	CE18418 WBGene00013284 3-keto-acy
H06I04.3b	0	1	0	1	0	2.80%	CE38200 WBGene00019168 status:Co
H06I04.3c	0	1	0	1	0	2.50%	CE38201 WBGene00019168 status:Par
H06I04.3a	0	1	0	1	0	2.40%	CE23795 WBGene00019168 status:Co
Y119C1B.8a	0	1	0	1	0	1.80%	CE25214 WBGene00022473 locus:tag-
Y119C1B.8b	0	1	0	1	0	2.00%	CE33207 WBGene00022473 locus:tag-
F55F8.5	0	1	0	1	0	2.70%	CE11196 WBGene00018893 locus:tag-
F55F8.4	0	1	0	1	0	2.70%	CE11194 WBGene00018892 locus:cir-1
K08E4.1	0	1	0	1	0	1.20%	CE06145 WBGene00005015 locus:spt-
F56C9.1	0	1	0	1	0	4.20%	CE01319 WBGene00001748 locus:gsp
W09G10.4a	0	1	0	1	0	1.70%	CE24044 WBGene00000162 locus:apd
W09G10.4b	0	1	0	1	0	2.10%	CE28513 WBGene00000162 locus:apd
D2023.2	0	1	0	1	0	1.50%	CE09072 WBGene00004258 locus:pyc
C31C9.2	0	1	0	1	0	5.00%	CE08497 WBGene00007836 D-3-Phos
K08E3.8	0	1	0	1	0	3.90%	CE18874 WBGene00007025 locus:mdt
F10G7.3	0	1	0	1	0	6.50%	CE39722 WBGene00017368 locus:asf-

Table S6

Instrument	Filtering Parameter
Orbitrap	-p 2 -y 1 --trypstat --pfp 0.01 --modstat --extra --pI -DM 10 --DB --dm -in --brief --quiet

Phosphoproteomic analysis by mass spectrometry of CGH-1 complexes		
Sequence	**Spectral counts**	
	vector RNAi	***kin-3* RNAi**
R.ILDLMEK.G	0	1
L.YSATFPNTVTSFMQK.H	0	1
Y.SATFPNTVTSFMQK.H	0	1
R.NLVCSDLLTR.G	0	1
K.ITEIGYSCYYIHSK.M	0	1
R.FGHLGVAINL.I	0	1
K.TLVLDEADK.L	0	1
R.TRIEPIPK.T	0	2
K.LYVADQQLVDAADETTA.-	0	2
K.TLVLDEADKLLSQDFQGILDR.L	0	28
K.LQINQSIIFCNSTQR.V	0	3
K.TGAYCIPVIEK.I	0	1
R.FKTADVTDTK.G	1	0
S.ATFPNTVTSFMQK.H	1	0
M.S(79.9663)GAEQQQIVPANNGDENWK.A	**1**	**0**
I.GVALTGQDILAR.A	1	0
K.VMVTTGGTDLRDDIMR.L	1	0
N.VVINFDFPR.N	1	0
K.VMVTTGGTDLR.D	1	0
R.DLLMGIFEK.G	2	2
R.VFHDFR.Q	2	2
K.AIQAMVIVPTR.E	1	1
R.FGHLGVAIN.L	1	1
K.LLSQDFQGILDR.L	1	3
R.NAETYLHR.I	1	1
K.GVEFEDFCLGR.D	1	1
R.ELALQTSQICVELSK.H	2	2
A.SIGVALTGQDILAR.A	1	1
G.VALTGQDILAR.A	2	1
R.LINFLPK.E	1	2
Total	22	60

Table S7

Strain ID	Genotype	Source
N2	*C. elegans* wild isolate; wild-type reference strain (WT)	CGC*
MH2385	*ain-1(ku322) X*	CGC
QK051	*ain-1(tm3681) X*	NBRP**
GS5217	*alg-1(gk214) X*	IS Greenwald
QK045	*alg-1(tm369) X*	NBRP
QK039	*cgh-1(tn691) III; let-7(mg279) X*	this study
QK040	*cgh-1(tn691) III; let-7(mg279) X; xkIs26 [Pcgh-1::cgh-1(WT)::GFP::unc-54 3'UTR]*	this study
QK041	*cgh-1(tn691) III; let-7(mg279) X; xkIs27 [Pcgh-1::cgh-1(S2A)::GFP::unc-54 3'UTR]*	this study
QK042	*cgh-1(tn691) III; let-7(mg279) X; xkIs28 [Pcgh-1::cgh-1(S2A)::GFP::unc-54 3'UTR]*	this study
QK043	*cgh-1(tn691) III; let-7(mg279) X; xkIs29 [Pcgh-1::cgh-1(S2D)::GFP::unc-54 3'UTR]*	this study
QK044	*cgh-1(tn691) III; let-7(mg279) X; xkIs30 [Pcgh-1::cgh-1(S2E)::GFP::unc-54 3'UTR]*	this study
QK032	*eri-1(mg366) IV; mir-48(n4097) V*	this study
CT11	*hbl-1(mg285) X*	CGC
RG365	*him-1(e879) I; veIs13[col-19::gfp; rol-6(su1006)] V*	AE Rougvie
VC1280	*kin-10(ok1751) I/hT2 [bli-4(e937) let-?(q782) qIs48](I;III)*	CGC
VC1609	*kin-10(ok2031) I/hT2 [bli-4(e937) let-?(q782) qIs48](I;III)*	CGC
GR1432	*let-7(mg279) X*	CGC
MT7626	*let-7(n2853) X*	CGC
SD551	*let-60(ga89) IV*	CGC
CT8	*lin-41(ma104) I*	CGC
QK004	*lin-41(ma104) I; let-7(mg279) X*	this study
MT14119	*mir-35-41(nDf50) II*	CGC
MT13650	*mir-48(n4097) V*	CGC
QK003	*mir-48(n4097) V; hbl-1(mg285) X*	this study
MT13652	*mir-48 (n4097) V; mir-84(n4037) X*	CGC
MT13651	*mir-84(n4037) X*	CGC
OH3646	*otIs114 [Plim-6::gfp] I; lsy-6(ot150) V*	CGC
QK005	*otIs114 [Plim-6::gfp] I; lsy-6(ot150) V; nre-1(hd20) lin-15b(hd126) X*	this study
VH624	*rhIs13 [unc-119::gfp, dpy-20(+)] V; nre-1(hd20) lin-15b(hd126) X*	CGC
JR672	*wIs54[scm::gfp] V*	JH Rothman
QK006	*xkIs25 [Pkin-3::kin-3::GFP::kin-3 3'UTR]*	this study
QK052	*xkIs31 [Pmyo3::gfp::mef-2 3'UTR]*	this study
QK053	*xkEx9 [Pmyo-3::gfp::mef-2 3UTR (scrambled miR-1 sites I and II)]*	this study
CT20	*zaIs5 [alg-1P::GFP::alg-1 + pRF4(rol-6(su1006))]*	CGC

*CGC - Caenorhabditis Genetics Center, University of Minnesota, Minneapolis, MN.

**NBRP - National Bioresource Project for *C. elegans*, Tokyo Women's Medical University School of Medicine, Japan.

Table S8

DNA Oligos	
ACGCTCGTGATGAGTTCAAG	*eft-2* qPCR forward
ATTTGGTCCAGTTCCGTCTG	*eft-2* qPCR reverse
GGTTCCAAATGCCACAAGAG	*lin-41* qPCR forward
AGGTCCAACTGCCAAATCAG	*lin-41* qPCR reverse
GATCCTCCGATGAACGAAAA	*daf-12* qPCR forward
CTCTTCGGCTTCACCAGAAC	*daf-12* qPCR reverse
CTCACTGAGACTACATCAGC	firefly luciferase qPCR forward
TCCAGATCCACAACCTTCGC	firefly luciferase qPCR reverse
TCAATTCGTTCCAAAACTCTAcG	*kin-10* qPCR forward
GTATTTCCGCCGCTGTTTCC	*kin-10* qPCR reverse
CTTCCAGGGAATTCTCGACCG	*cgh-1* qPCR forward
GCATGAACGAAGTGACGGTG	*cgh-1* qPCR reverse

Starfire Probes	
TACATACTTCTTTACATTCCA	miR-1
AACTATACAACCTACTACCTCA	*let-7*
TCGCATCTACTGAGCCTACCTCA	miR-48
TGCCGTACTGAACGATCTCA	miR-58

Antigenic Peptides	
QAGSLAPGVPIGNTSVSI(C)	ALG-1
WGDPPLSDVQYPLQPHASF(C)	AIN-1
(C)IEPIPKTVDPKLYVADQQLVDA	CGH-1
MPPIPSRARVYAEVNPSRP(C)	KIN-3
(C)AEGLALADHRREPRLQTLVNDY	TSN-1
(C)GRNNTPFNASDDAFPALGAK	VIG-1

CGH-1 GST Peptides	
MSGAEQQQIVPANNGDENWK	site 1
QEASIGVALTGQDILARAKN	site 2
LGVAINLITYEDRHTLRRIE	site 3
RRIEQELRTRIEPIPKTVDP	site 4