Title
Protein integrators of gene regulatory networks controlling immunity and aging in C. elegans

Author
Block, Dena Hana Sachiko

Publication Date
2017

Peer reviewed|Thesis/dissertation

Protein integrators of gene regulatory networks controlling immunity and aging in *C. elegans*

by

Dena Hana Sachiko Block

A dissertation submitted in partial satisfaction of the

requirements for the degree of

Doctor of Philosophy

in

Integrative Biology

in the

Graduate Division

of the

University of California, Berkeley

Committee in charge:

Assistant Professor Michael Shapira, Chair
Professor Tyrone Hayes
Professor Andrew Dillin

Fall 2017

Protein integrators of gene regulatory networks controlling immunity and aging in *C. elegans*

by Dena Hana Sachiko Block

Abstract

Protein integrators of gene regulatory networks
controlling immunity and aging in *C. elegans*

by

Dena Hana Sachiko Block

Doctor of Philosophy in Integrative Biology

University of California, Berkeley

Assistant Professor Michael Shapira, Chair

Immunity and aging are complex processes under the control of different genetic pathways. These pathways must be coordinated in order to respond to various inputs, but how this is achieved is not fully understood. In this dissertation, I demonstrate two examples of proteins that integrate different genetic pathways into appropriate gene expression responses in *Caenorhabditis elegans*.

In Chapter 1, I examined the relationship between a conserved innate immune signaling pathway and a GATA transcription factor. GATA transcription factors play roles in development and tissue differentiation, but less is known about their roles in mature tissues. In *C. elegans* larvae, the GATA transcription factor ELT-2 regulates terminal differentiation of the intestine, but it is also expressed in the adult intestine, where it was suggested to maintain intestinal structure and function, and where it was also shown to contribute to infection resistance. To study the function of *elt-2* in adults, we characterized *elt-2*-dependent gene expression following its knock-down specifically in adults. Microarray analysis identified two ELT-2-regulated gene subsets: one, enriched for hydrolytic enzymes, pointed at regulation of constitutive digestive functions as a dominant role of adult *elt-2*; the second was enriched for immune genes that are induced in response to *Pseudomonas aeruginosa* infection. Focusing on the latter, we used genetic analyses coupled to survival assays and quantitative RT-PCR to interrogate the mechanism(s) through which *elt-2* contributes to immunity. We show that *elt-2* controls p38-dependent gene induction, cooperating with two p38-activated transcription factors, ATF-7 and SKN-1. This demonstrates a mechanism through which the constitutively nuclear *elt-2* can impact induced responses, and play a dominant role in *C. elegans* immunity.

In Chapters 2 and 3, I describe work characterizing the role of a transthyretin-like gene in influencing lifespan. The transthyretin-like (*ttr)* gene family of *C. elegans* consists of 59 genes that are related to vertebrate transthyretin, a protein that carries lipophilic molecules such as retinol and thyroid hormone through the blood and cerebrospinal fluid. Although levels of various *ttrs* increase during stress stimuli and aging, the functions of

ttrs remain largely uncharacterized. We found that RNAi against one *ttr, ttr-1,* increased levels of the FOXO transcription factor DAF-16 and extended lifespan. In agreement, *ttr-1* overexpression reduced lifespan. A *ttr-1::gfp* fusion protein was localized to the periphery of the spermatheca, the vulva, and the intestine. Analysis of genetic interactions between *ttr-1* mutants and known regulators of lifespan revealed that *ttr-1* disruption compromised lifespan extension following *daf-2* knock-down (although DAF-16 nuclear localization was similar to that in wildtype animals), and abolished lifespan extension in *eat-2* mutants, which exhibit slow pharyngeal pumping and represent a genetic model for dietary restriction. These results, in conjunction with its expression in the intestine and somatic gonad suggest that *ttr-1* may play a role in orchestrating organismal responses to nutrient availability.

Dedication

This dissertation is dedicated to my husband,
my infinite source of support and inspiration.

Table of Contents

Acknowledgments

There are so many people who have graciously afforded me their time, advice, and support during my PhD.

I would like to thank my PI, Michael Shapira, for the opportunity to work in his lab and for his guidance. Michael has helped me build my skills and confidence, and has helped me become a better scientist. I would also like to thank my committee members, Andy Dillin and Tyrone Hayes, whose guidance and support were essential during my PhD.

Several people have devoted time and effort to advising me on both my research and graduate school in general. I would like to thank Tom Carlson, Michael Nachman, Gian Garriga, Steve Lehman, Kunihiro Matsumoto, Naoki Hisamoto, Hiroshi Hanafusa, Anna Tsuge, and the Matsumoto laboratory (Nagoya University). There are also many people I would like to thank for guidance, reagents, and research support: the labs of Abby Dernburg, Barbara Meyer, and Lior Pachter; Shana McDevitt, Justin Choi, the Vincent J. Coates Genomics Sequencing Laboratory, and the Functional Genomics Laboratory; and Lydia Smith. I would especially like to thank members of the Dillin lab for all of their kindness in providing advice, reagents, guidance, and support. So many Dillin lab members have helped me over the years, including Larry Joe, Vidhya Ramachandran, Sarah Uhlein Tronnes, Pete Douglas, Jenni Durieux, Suzy Wolff, Milos Simic, Kristan Steffen, Ophir Shalem, Gilbert Garcia, Joe Daniele, Hyun-Eui Kim, Erica Moehle, Ye Tian, Ashley Frakes, and Ryo Higuchi-Sanabria. Your generosity was crucial to the advancement of my projects and my PhD.

I would like to thank members of the Shapira lab, who have been wonderful teachers, friends, and co-workers: Kwame Twumasi-Boateng, Songhua Lee, Limeng Liu, Zhe Zhang, Dustin Cox, Jolie Carlisle, Katelyn Chen, Alex Hanganu, and Cyrus Ruediger. I am especially grateful to Maureen Berg for all of her support—I'm glad we could brave our PhD programs together!

I am also grateful to Peter Underhill, Alice Lin, and Luca Cavalli-Sforza for giving me my first opportunity to work in a lab and getting me started in research; and to my past labmates Razika Hussein, David Adamson, Tiffany Lee, Lusha Liang, and Michelle Hung for their mentorship and friendship.

Finally, I would like to thank my husband, parents, siblings, and family-in-law, who have been a tremendous source of love and support.

Introduction

C. elegans as a model for immunity and aging

Caenorhabditis elegans was established as a model organism in the 1960s for its relatively simple anatomy, genetic tractability, transparent body, and ease of maintenance (Brenner, 1974). *C. elegans* are free-living nematodes, about 1mm in length, found in soil and compost. In the lab, they are maintained on agar plates seeded with food bacteria (*E. coli* OP50), and exist as populations of mostly self-fertilizing hermaphrodites, with males comprising about 0.2-0.3% of the population (Hodgkin and Doniach, 1997). At the usual maintenance temperature of 20°C, the worms become reproductive adults within 3 days. Following a period of egg-laying lasting about 3-4 days, the worms live a post-reproductive period of about 2 more weeks. Their short lifespan facilitates survival analyses, and adult somatic cells are post-mitotic, making them a good model to study the aging of non-dividing cells. In addition, RNAi by feeding allows for easy inactivation of genes, aiding in genetic analyses. In the last two decades, much progress has been made using *C. elegans* as a model for immunity and aging. The worms can be infected with human pathogens such as *Pseudomonas aeruginosa, Salmonella typhimurium, Yersinia pestis,* and *Serratia marcescens* (Ermolaeva and Schumacher, 2014). Several genetic pathways that regulate immunity and aging in *C. elegans* are also conserved in mammals.

Immune responses in *C. elegans*

Upon infection with a pathogen, animals respond first with innate immune responses, which employ conserved signaling modules. Induction of innate immune signaling generally begins with binding of pathogen-associated molecular patterns (PAMPs) to host pattern recognition receptors (PRRs). A downstream signal transduction cascade then drives expression of genes involved in defense (Ausubel, 2005; Bryant and Monie, 2012). Although *C. elegans* does not have known PRRs, it shares conserved innate immune signaling modules with vertebrates. Several genetic pathways have been shown to regulate immune responses in *C. elegans,* including the DBL-1/TGFβ pathway, the insulin and IGF-like signaling (IIS) pathway, and the p38 map kinase (MAPK) pathway (Ewbank, 2006).

dbl-1 encodes a TGFβ-like ligand that binds to a heterodimeric receptor composed of DAF-4 and SMA-6. While the TGFβ receptor can cooperate with certain downstream signaling molecules to regulate body size and male tail formation, these pathways are distinct from the receptor's contribution to innate immunity (Ewbank, 2006). DAF-4 and SMA-6, as well as the SMA-2/SMA-3/SMA-4 SMAD signal-transducing complex, are required for resistance to *Serratia marcescens* and *Pseudomonas aeruginosa* (Kurz and Tan, 2004). The worm TGFβ pathway regulates expression of genes encoding antimicrobial proteins, such as lysozymes and C-type lectins (Kurz and Tan, 2004; Zugasti and Ewbank, 2009).

Insulin/insulin-like growth factor (IGF-1) signaling (IIS) impacts development, immunity, stress responses, and lifespan in *C. elegans*. Under normal conditions, binding of insulin-like proteins to the insulin receptor initiates a signal transduction cascade. Autophosphorylation of the insulin receptor activates the phosphoinositide 3-kinase AGE-1/PI3K, which leads to activation of the serine/threonine kinase PDK-1. PDK-1 phosphorylates AKT-1 and AKT-2, also serine/threonine kinases, which in turn phosphorylate the transcription factor DAF-16 and cause it to be sequestered in the cytoplasm. PI3K signaling is antagonized by the DAF-18/PTEN lipid phosphatase and AKT phosphorylation is antagonized by the phosphatase PPTR-1/PP2A.

Reduced binding by insulin-like peptides or mutations in *daf-2* ultimately lead to translocation of DAF-16 to the nucleus, where it promotes transcription of genes involved in immune responses, stress responses and longevity (McElwee et al., 2003; Murphy et al., 2003). IIS mutants are resistant to both Gram-negative and Gram-positive bacteria (Garsin et al., 2003). IIS appears to extend lifespan on OP50 or on pathogens at least in part by affecting bacterial colonization of the pharynx and gut of the worms (Garigan et al., 2002; Podshivalova et al., 2017).

The p38 pathway plays an important role in stress responses and immunity, and is crucial for resistance to bacterial pathogens (Aballay et al., 2003; Kim et al., 2002) and the fungus *Drechmeria coniospora* (Couillault et al., 2004; Liberati et al., 2004). The p38 MAPK module consists of the NSY-1 MAP3K, the SEK-1 MAP2K, and the PMK-1 MAPK (Kim et al., 2002). TIR-1/SARM can act as an upstream activator during infection (Couillault et al., 2004; Liberati et al., 2004), while VHP-1/DUSP8 can act as a negative regulator (Kim et al., 2004).

PMK-1 phosphorylates downstream transcription factors, such as ATF-7, DAF-19, and SKN-1, to affect immune gene expression (Inoue et al., 2005; Shivers et al., 2010; Xie et al., 2013). ATF-7, an ortholog of mammalian ATF2/ATF7/CREB5 family of bZIP transcription factors, as well as DAF-19/RFX, contribute to intestinal immune gene expression (Shivers et al., 2010; Xie et al., 2013). SKN-1 regulates genes important for oxidative stress responses and immune responses (van der Hoeven et al., 2011; Inoue et al., 2005; Papp et al., 2012). In addition, ELT-3 was also shown to mediate p38-dependent immune responses to *Drechmeria coniospora* (Pujol et al., 2008).

ELT-3 and ELT-2 are two GATA transcription factors in *C. elegans* that play roles in epithelial development and differentiation, as well as immune responses. ELT-3 is important for development of the epidermis and epidermal immune responses to fungal infection and wounding (Gilleard and McGhee, 2001; Pujol et al., 2008). ELT-2, on the other hand, is important for development of the intestine and intestine-specific gene expression (Fukushige et al., 1998; McGhee et al., 2007). ELT-2 is required for immune responses to ingested bacterial and fungal pathogens, such as *Pseudomonas aeruginosa*, *Salmonella typhimurium*, *Enterococcus faecalis*, and *Cryptococcus neoformans* (Kerry et al., 2006; Shapira et al., 2006). As I will describe below, we demonstrated that ELT-2 cooperates with the p38 pathway to regulate immune gene expression (Block et al., 2015). Elsewhere, we have also suggested parallel roles for ELT-

2 and ELT-3 in regulating intestinal and epidermal immunity, respectively, together with partner transcription factors (Block and Shapira, 2015).

ELT-2: a protein integrator of p38-dependent immune responses

In this dissertation, I present a role for ELT-2 as an integrator of p38-dependent immune responses in adult worms. We performed microarray analysis on worms that were exposed to *elt-2* RNAi specifically in adulthood and subsequently infected with *Pseudomonas aeruginosa*. We identified a subset of genes whose induction on *Pseudomonas* depended on *elt-2,* and used genetic analyses coupled to survival assays and quantitative RT-PCR to assess ELT-2's contribution to immunity. We found that ELT-2 controls p38-dependent induction of immune genes, and works with two transcription factors downstream of the p38 pathway, ATF-7 and SKN-1. We suggest that regulation downstream of the p38 pathway may represent a mechanism by which ELT-2, which was previously described as constitutively nuclear, could contribute to induced responses.

Aging in *C. elegans*

Evolutionary theories of aging: "Why we age"

From an evolutionary perspective, aging poses a paradox, as it is clearly deleterious to reproduction and survival and therefore should not be favored by natural selection. However, in the 1940s and 50s, evolutionary biologists began proposing evolutionary theories of aging that were based on the declining strength of selection with age. In 1951, Peter Medawar proposed the Mutation Accumulation (MA) theory, postulating that the weak force of selection in post-reproductive ages could allow deleterious mutations to build up over generations by genetic drift (Medawar, 1952). In 1957, George Williams built upon MA with the theory of Antagonistic Pleiotropy (AP), in which he suggested that beneficial mutations occurring pre-reproduction will be favored by natural selection, even if the same mutations have deleterious consequences post-reproduction (Williams, 1957). Twenty years later, Thomas Kirkwood further expanded on these theories with the Disposable Soma (DS) hypothesis, suggesting that aging can result from trade-offs between reproduction and maintenance of the soma (Kirkwood, 1977). In other words, selection for alleles contributing to reproduction could detract from resources that might otherwise be used to maintain somatic tissues and live longer.

Mechanistic drivers of aging: "How we age"

While evolutionary theories of aging address the fundamental question of why organisms undergo senescence, genetic and molecular biology approaches have lent insight into the more proximal mechanisms of aging, or *how* aging occurs.

The discovery in the 1980s and 90s of IIS mutations that dramatically increase lifespan in *C. elegans* sparked a surge in research on the molecular biology of aging, and was the first demonstration that nutrient sensing pathways could modulate lifespan (Friedman and Johnson, 1988; Kenyon et al., 1993). Since then, it has become clear that aging is a

process subject to genetic regulation, rather than simply a passive process of degradation. Below, I will describe a number of different genetic pathways influencing aging in *C. elegans.*

Insulin/Insulin-like Growth Factor Signaling (IIS)

As described in the above section (Immune Responses in *C. elegans)*, the IIS pathway regulates the nuclear localization of DAF-16/FOXO, a transcription factor that promotes expression of genes involved in immunity, stress responses, and longevity (McElwee et al., 2003; Murphy et al., 2003).

Mutations lowering the activity of the insulin receptor DAF-2 can cause dauer arrest, a developmental diapause in which the worms can live without food for months, in contrast to their normal lifespan of a few weeks (Gems et al., 1998). *daf-2* mutations can also dramatically extend lifespan, and *daf-2* mutant longevity is completely dependent upon *daf-16* (Kenyon et al., 1993). In addition to DAF-16, other transcription factors act downstream of insulin signaling, such as SKN-1 (Tullet et al., 2008) and HSF-1 (Hsu et al., 2003; Morley and Morimoto, 2004). IIS and its effects on longevity in *C. elegans* have been extensively reviewed (Altintas et al., 2016; Murphy and Hu, 2013).

Dietary Restriction

Dietary restriction, which refers to reduced intake of total calories or particular nutrients, is an environmental perturbation that can extend lifespan in many species (Masoro, 2005). In worms, various DR regimens have been found to extend lifespan through both overlapping and independent downstream mediators.

Mutations in *eat-2*, a ligand-gated ion channel subunit of pharyngeal muscle, exhibit slow pharyngeal pumping and reduced intake of bacterial food (Lakowski and Hekimi, 1998). Strong alleles of *eat-2* extend lifespan via the target of rapamycin (TOR) nutrient sensing complex and the transcription factor PHA-4/FOXA (Hansen et al., 2007; Panowski et al., 2007). Many components of the TOR nutrient sensing complex are conserved from invertebrates through mammals. In mammals, TOR has been shown to function in two complexes, named mTORC1 and mTORC2. These complexes contain different components in addition to the shared TOR component. When amino acids are abundant, mTORC1 is recruited to the lysosome by the Rag GTPase and actively promotes translation. Unlike mTORC1, mTORC2 is unresponsive to amino acid concentration and was instead proposed to respond to association with ribosomes and to growth factors (Betz and Hall, 2013; Zinzalla et al., 2011). TORC2 localizes to mitochondrial-associated membranes (MAMs), areas of the ER that interface with mitochondria (Betz and Hall, 2013).

Interestingly, a recent study showed that in *C. elegans,* knockdown of components specific to TORC1 extended lifespan in a manner dependent upon *daf-16*. This was surprising, given that DR regimens that extend lifespan via *let-363/tor* were shown to be independent of *daf-16.* However, knockdown of TORC2-specific genes extended lifespan

and depended on *skn-1* (Robida-Stubbs et al., 2012). Knockdown of *let-363* produces *daf-16*-independent lifespan extension (Vellai et al., 2003). These results suggested that DR regimens like *eat-2* mutants may produce a *let-363*-dependent, *daf-16*-independent pattern of lifespan extension because of possible inhibition of both TORC1 and TORC2 (Robida-Stubbs et al., 2012).

Other DR protocols increase lifespan via different mechanisms: for instance, bacterial dilution on solid plates, or solid dietary restriction (sDR), extends lifespan via AMP kinase (AMPK) and DAF-16 (Greer et al., 2007). The different genetic requirements among protocols may result from different characteristics of food deprivation (e.g. liquid medium vs. solid medium) or timing of food deprivation (e.g. deprivation beginning in mid-adulthood vs. entire life). “DR mimetic” drugs, such as resveratrol, rapamycin, and metformin, have also been proposed to extend lifespan via AMPK activation, inhibition of TOR, and activation of AMPK and SKN-1, respectively (Greer and Brunet, 2009; Heitman et al., 1991; Onken and Driscoll, 2010; Robida-Stubbs et al., 2012).

Cell non-autonomous control of lifespan

A role for signaling among different tissues has been demonstrated for various longevity paradigms. Signaling between the germline and the soma has been shown to extend lifespan (Antebi, 2013). Removal of the germline, but not of the germline plus the somatic gonad, extends lifespan, and this lifespan extension depends on DAF-16 and the nuclear hormone receptor DAF-12 (Arantes-Oliveira et al., 2002; Hsin and Kenyon, 1999; Yamawaki et al., 2010). The fact that lifespan does not increase when both the somatic gonad and germline are removed implicates hormonal signaling mediated by the somatic gonad, rather than just a resource allocation trade-off. Dafachronic acids (DAs) are the bile acid-like steroid ligands of DAF-12, and DA supplementation can restore the longevity of somatic gonad-plus-germline-ablated worms (Yamawaki et al., 2010).

Sensory perception mutants have extended lifespans that are partially dependent on *daf-16* (Apfeld and Kenyon, 1999), and neurons sensing environmental conditions like temperature or food availability have been shown to affect lifespan (Alcedo and Kenyon, 2004; Lee and Kenyon, 2009). These findings suggest that neurons can sense environmental conditions and signal to other tissues to modulate cellular maintenance. Indeed, there are several such examples of cell-nonautonomous signaling from neurons. Several studies support a role for neuronal IIS in coordinating growth and longevity cell non-autonomously (Apfeld and Kenyon, 1998; Libina et al., 2003; Wolkow et al., 2000). Cell non-autonomous communication between the hypodermis, intestine, and muscle has also been demonstrated to play a role in DAF-16-dependent gene expression (Zhang et al., 2013).

Signaling from the neurons has also been demonstrated to play a role in dietary restriction. For example, SKN-1 can act in ASI sensory neurons to affect whole-body metabolism and longevity in response to dietary restriction by a liquid bacterial dilution protocol (Bishop and Guarente, 2007). In addition, the action of AAK-2/AMPK and CRTC-1/CREB in neurons was shown to remodel peripheral mitochondrial metabolism via octopamine

signaling and the transcription factors NHR-49 and DAF-16 (Burkewitz et al., 2015). Finally, enhancing function in neurons of stress-response modules such as the mitochondrial UPR, endoplasmic reticulum UPR, or the heat-shock transcription factor HSF-1 can increase lifespan (Douglas et al., 2015; Durieux et al., 2011; Taylor and Dillin, 2013).

Mitochondria

Early "rate of living" and free radical theories of aging suggested that toxic cellular reactive oxygen species (ROS) cause damage and aging (HARMAN, 1956; Pearl, 1928; Sohal and Weindruch, 1996). However, recent work has suggested a more complex picture in which ROS act as signaling molecules mediating longevity (Hekimi et al., 2016).

Several studies show that disruption of superoxide dismutase (SOD) enzyme activity does not decrease lifespan in *C. elegans* (Doonan et al., 2008; Van Raamsdonk and Hekimi, 2012; Yang et al., 2007; Yen et al., 2009). Worms do not have a decreased lifespan even with all five SODs knocked out (Van Raamsdonk and Hekimi, 2012). Furthermore, treatment with SOD mimetics, which elevates SOD activity in the worms, does not extend lifespan (Keaney et al., 2004). These results suggest that ROS do not cause aging, since the two can be decoupled.

Knockdown of various genes involved in mitochondrial function, such as *isp-1, clk-1, nuo-6, atp-3, cyc-1, cco-1,* and many others, can extend lifespan (Curran and Ruvkun, 2007; Dillin et al., 2002; Hamilton et al., 2005; Hansen et al., 2005; Lee et al., 2002). For some of these genes, mutant alleles also exist, such as *isp-1(qm150)* and *nuo-6(qm200)* (Feng et al., 2001; Yang and Hekimi, 2010a). *nuo-6(qm200);isp-1(qm150)* double mutants are not longer-lived than the single mutants, but *nuo-6* RNAi in *isp-1(qm150)* mutants and *isp-1* RNAi in *nuo-6(qm200)* mutants result in additive effects on lifespan. Furthermore, the effects of the mutations on growth and behavioral phenotypes, oxygen consumption, SOD expression, ROS metabolism, and autophagy were distinct from those of RNAi treatment (Yang and Hekimi, 2010a). This implicates distinct mechanisms by which the mutants and RNAi treatments affect lifespan. One way that RNAi against mitochondrial components may affect lifespan is through induction of the mitochondrial unfolded protein response, which has been suggested to promote longevity (Durieux et al., 2011).

Although there are probably multiple mechanisms by which mitochondrial function affects lifespan, one of them involves mtROS signaling through the mitochondria-associated intrinsic apoptosis machinery in *C. elegans.* In *isp-1(qm150)* and *nuo-6(qm200)* mutants, increased lifespan depends on elevated levels of mitochondrial superoxide and members of the intrinsic apoptosis pathway (Yang and Hekimi, 2010b). In addition, treatment with a relatively low concentration (0.1mM) of the superoxide generator paraquat seems to extend lifespan via the same mechanism, as 0.1mM paraquat treatment does not further extend lifespan in *isp-1* and *nuo-6* mutants, and also depends on components of the intrinsic apoptosis pathway (Yang and Hekimi, 2010b; Yee et al., 2014).

Treatment of wildtype worms with a range of paraquat concentrations revealed an inverted U-shaped relationship between mtROS and lifespan (Hekimi et al., 2016). Levels of mtROS in *isp-1* and *nuo-6* mutants appear to be close to the "peak" of the inverted U, since 0.1 mM paraquat cannot extend the lifespan of either of the two mutants, and higher concentrations (0.3mM and above) of paraquat cause lifespan to decrease again (Hekimi et al., 2016; Yang and Hekimi, 2010b). Interestingly, 0.1 mM paraquat can extend the lifespan of *daf-2* and *eat-2* mutants, suggesting distinct ways these mutants affect lifespan. Actually, dietary restriction also shows an inverted U-shaped relationship with lifespan (Mair and Dillin, 2008), and for both mtROS and dietary restriction, different genes can modulate the relationship. For instance, in the case of mtROS, changing AMPK and HIF-1 activity can change the properties of the inverted U, shifting its peak or changing its shape by altering the lifespan response to different paraquat concentrations (Hwang et al., 2014).

Dietary restriction and ROS signaling share genetic modulators, but the details of how dietary restriction affects mitochondria and ROS are still unclear. Lifespan extension appears not to be a result of decreased metabolic rate, as worms subjected to dietary restriction were shown to have unchanged or increased metabolic rates (Bishop and Guarente, 2007; Houthoofd et al., 2002a, 2002b). Furthermore, ROS-dependent mechanisms might be involved in some forms of dietary restriction, but not others: glucose-restricted worms have increased overall ROS, and antioxidants suppress their lifespan extension (Schulz et al., 2007), whereas *eat-2* mutants do not have elevated mtROS and exhibit additive lifespan extension with 0.1 mM paraquat (Yang and Hekimi, 2010b). In addition, intrinsic apoptosis signaling, which is necessary for *isp-1* and *nuo-6* longevity, is dispensable for *daf-2* and *eat-2* longevity (Yee et al., 2014).

Dietary restriction might affect lifespan by modulating mitochondrial dynamics; a recent report showed that knockdown of *eat-3,* a protein required for fusion of the mitochondrial inner membrane, completely suppressed the lifespan of *eat-2* mutants (Chaudhari and Kipreos, 2017). *eat-3* knockdown also suppressed the lifespan of several other longevity models including *daf-2* mutants, *glp-1* mutants, and *aak-2* overexpressors, so mitochondrial fusion may more generally play a role in longevity, not just from dietary restriction (Chaudhari and Kipreos, 2017). Mitochondrial biogenesis and mitophagy, or recycling of damaged mitochondria by autophagy, has been shown to affect lifespan in *C. elegans* (Palikaras et al., 2015).

TTR-1: a protein integrator of nutrient signals affecting lifespan

The transthyretin-like (*ttr)* gene family of *C. elegans* consists of 59 genes that share some structural similarity with vertebrate transthyretin, a protein that carries lipophilic molecules such as retinol and thyroid hormone through the blood and cerebrospinal fluid. Although levels of various *ttrs* increase during stress stimuli and aging, the functions of *ttrs* remain largely uncharacterized. All worm *ttrs* have predicted signal peptides, suggesting that they are secreted. *C. elegans* has a greatly expanded *ttr* family compared to the single human transthyretin gene; interestingly, *C. elegans* also has an expanded nuclear hormone receptor (NHR) family, with 284 NHRs, in contrast to 48 in humans.

In this dissertation, I present results showing that one member of the *ttr* family, *ttr-1,* can delimit lifespan by modulating levels of DAF-16. I also demonstrate a role for *ttr-1* in DR-mediated longevity, and suggest that it plays a role in relaying nutrient status to the worm.

Chapter 1: The developmental intestinal regulator ELT-2 controls p38-dependent immune responses in adult *C. elegans*

Portions of this work were originally published as Block, D. H. S. et al. The Developmental Intestinal Regulator ELT-2 Controls p38 Dependent Immune Responses in Adult *C. elegans*. PLoS Genet. 11, e1005265 (2015).

As mentioned in the Introduction, both the p38 pathway and the GATA transcription factor ELT-2 have been shown to play a role in immune protection (Tan and Shapira, 2011). ELT-2 was proposed to be a dominant regulator of all intestinal genes based off of studies in embryos or L1 larvae (Fukushige et al., 1998; McGhee et al., 2007), leaving its roles in the adult intestine unresolved. To better understand the roles of ELT-2 in the adult intestine, particularly its involvement in immune gene regulation, we characterized gene expression following *elt-2* knock-down specifically in adults. This identified two gene subsets: one that was constitutively regulated by ELT-2 and included genes involved in digestive degradation of macromolecules; and a second, which was induced in response to infection, and included genes previously implicated in protection from pathogens. Members of the latter demonstrated co-regulation by ELT-2 and the p38 pathway. Subsequent genetic analyses identified genetic interactions between *elt-2* and the p38 transcriptional mediator genes *atf-7* and *skn-1* in regulating *C. elegans* innate immune responses. Our results suggest a dominant role for *elt-2* in the regulation of digestive and metabolic functions of the intestine, and the role of a master regulator for p38-dependent immune responses, cooperating with activated transcription factors to control induced responses.

Results

The constitutive and inducible *elt-2* regulon

To identify genes regulated by *elt-2,* we compared gene expression profiles in animals fed with elt-2 RNAi during the first two days of adulthood (RNAi-ad) to those in control-treated animals, either following a twelve hour infection with *Pseudomonas aeruginosa,* or exposure to non-pathogenic *E. coli* (Raw data can be downloaded from GEO, accession no. GSE63846). Adult *elt-2* knock-down has been shown to cause a marked decrease in ELT-2 protein levels persisting up to three days after worms were removed from RNAi plates (Shapira et al., 2006). Successful knock-down is also discernible by eye, as animals present a modest 'clear' phenotype, potentially due to reduced fat storage (S1A Fig). Previous work found *elt-2(RNAi-ad)* animals to be more susceptible to infection, but to have a normal lifespan on dead *E. coli*, suggesting that effects of post-developmental *elt-2* knock-down are largely immune-specific (Shapira et al., 2006).

Microarray analysis identified 429 transcripts, corresponding to 420 genes, which were differentially expressed in *elt-2(RNAi)* animals compared to control-treated animals (Fig. 1A). Prominent clusters of co-regulated genes included a cluster of 187 genes with reduced expression following *elt-2* knock-down ('*elt-2*-regulated'), suggesting contribution of *elt-2* to constitutive expression (Fig. 1A and S2 Table); a cluster of 96 genes, that were

also suppressed following *elt-2* knock-down, and additionally failed to be induced by infection in *elt-2(RNAi)* animals ('*elt-2*-induced'); and a cluster of 43 genes showing elevated expression following *elt-2* knock-down, suggesting repression by the transcription factor ('*elt-2*-repressed'). qRT-PCR verified *elt-2* regulation for three selected '*elt-2*-regulated', and seven '*elt-2*-induced' genes (S2A and S2B Figs). Additional measurements for '*elt-2*-induced' genes in animals exposed to the pathogen for a longer duration (24 hours) similarly showed no infection response in *elt-2(RNAi)* animals, suggesting that impaired induction represented a complete failure rather than a delay (S2C Fig).

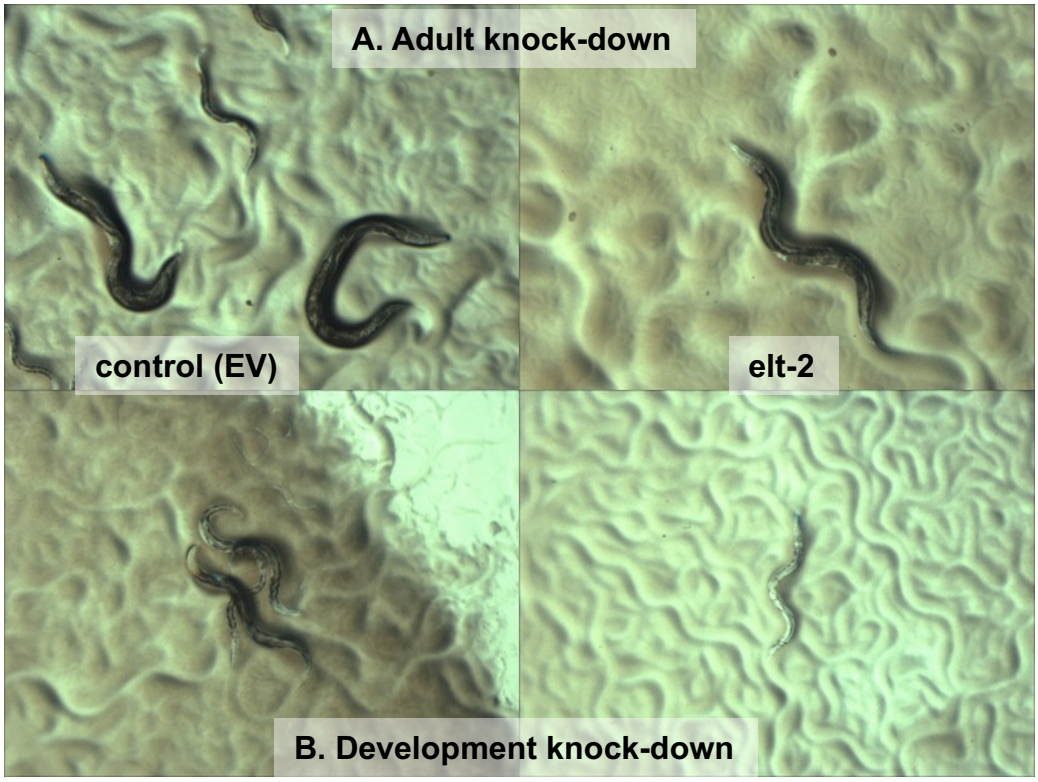

Figure S1. *elt-2* knock-down in adult worms and in developing larvae. Knock-down by RNAi feeding (as designated) over two days, starting at L4 (A) or the at egg stage (B). Images taken with identical settings.

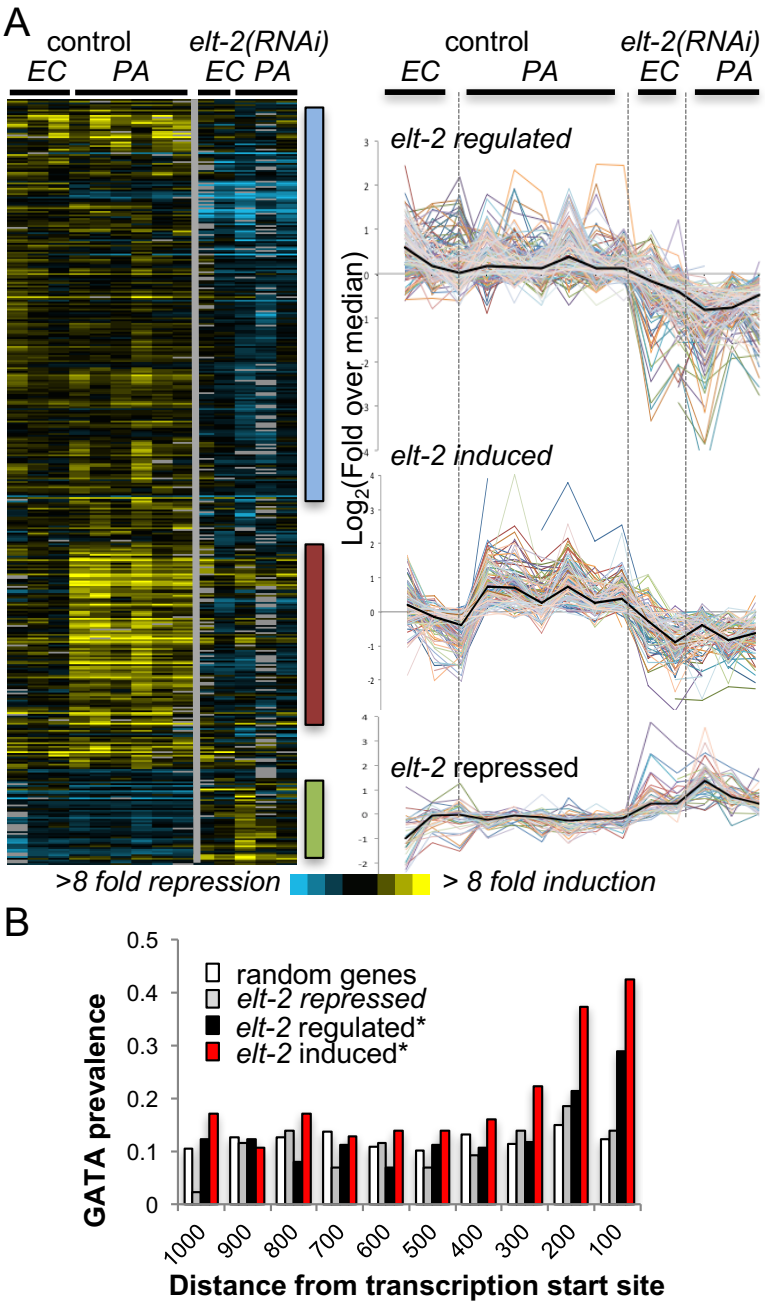

Figure 1. *elt-2* regulated genes. A. microarray analysis. Gene expression profiles for 426 transcripts differentially expressed between *elt-2(RNAi)* and control-treated wildtype worms, when exposed to *P. aeruginosa* (PA, 12 hours), compared to *E. coli* (*EC*). Left, heatmap of raw values (log_2(fold change over reference RNA)), with bars highlighting clusters of interest; right, curves depicting median-centered expression profiles; black curves represent the median. **B. GATA motif distribution.** measured for the consensus TGATAA in 1000bp upstream sequences of genes of the designated subsets; shown as #motifs/gene/100bp; asterisks mark significant deviations from random distribution ($p<10^{-8}$, χ^2).

To identify potential direct ELT-2 targets in the three subsets, we searched gene promoters for the GATA motif core sequence, TGATAA (McGhee et al., 2009; Shapira et al., 2006). GATA motifs are prevalent in the genome, as targets for various developmental

and tissue-specific transcription factors. However, an examination of GATA motif distribution in upstream sequences of *elt-2*-dependent genes revealed a statistically-significant enrichment for GATA motifs in proximal promoter regions, in contrast to a uniform distribution in upstream regions of randomly-selected genes (Fig. 1B, S3 Table). Focusing on proximal promoter regions (500 bp) to better differentiate between *elt-2* targets and non-targets, GATA motifs were identified in 72% of the '*elt-2* induced' genes, 50% of '*elt-2* regulated' genes, and 47% of '*elt-2* repressed', compared to 42% in upstream sequences genome-wide, demonstrating a significant enrichment for GATA motifs in promoters of *elt-2*-induced and *elt-2*-regulated genes, but not among '*elt-2* repressed' genes (p=5.6E-10, 0.004 and 0.1, respectively; hypergeometric distribution). Twelve of the GATA-containing genes were among those tested by qRT-PCR (nine of the '*elt-2*-induced' subset, and three of the '*elt-2*-regulated' subset) and indeed demonstrated *elt-2*-dependent expression (S2 Fig). In addition to enrichment of GATA promoter motifs, 55% of the '*elt-2* induced', and 32% of the '*elt-2* regulated' genes were genes previously reported to be preferentially expressed in the intestine (McGhee et al., 2007, 2009; Pauli et al., 2006)(and Wormbase); only 6/43 (14%) of the '*elt-2* repressed' genes were intestinal, while 12/43 were genes shown to be preferentially-expressed in muscle tissue (Roy et al., 2002). Together, these analyses suggest that a large fraction of the *elt-2* regulated genes, in particular of the '*elt-2*-induced' genes, are direct ELT-2 targets. Nevertheless, some 'noise' is included in these subsets in the form of genes that are indirectly affected by *elt-2* knock-down. In the case of '*elt-2*-repressed' genes it seems that most are affected indirectly, and probably outside of the intestine, suggesting a negligible contribution of *elt-2* to direct gene repression.

To learn about potential contributions of putative ELT-2 targets to worm physiology, we next examined their associated GO annotations. Among the '*elt-2*-regulated' genes enrichment was found for genes involved in innate immunity and defense responses (represented by 13 genes, p=8.48E-05, Bonferroni corrected), and for genes with hydrolase activity (37 genes, p=0.038, not corrected)(S4 Table, highlighted in yellow). The former are genes that were previously shown to respond to infection (Shapira et al., 2006), suggesting that they might have been inappropriately assigned as '*elt-2* regulated' due to a weak response or noisy measurements, and were more likely to be part of the '*elt-2* induced' subset. The more telling members of the '*elt-2* regulated' subset appeared to be the hydrolase genes, which mainly included proteases and lipases, and pointed at regulation of these enzymes as an important function of *elt-2* in adults. Regulation of three of these enzymes by *elt-2* was confirmed by qRT-PCR (S2A Fig). While enrichment for genes annotated as hydrolases is not strictly statistically significant, this may be due to the noise in the '*elt-2*-regulated' list. Supporting the central role of *elt-2* in regulating hydrolytic enzymes in the adult intestine, the overlap between the '*elt-2*-regulated' gene list and a previously published list of genes specifically expressed in the adult intestine (McGhee et al., 2009) consisted of fifteen genes, four of which are associated with immune defense functions, seven that encode hydrolytic enzymes, and four unknowns (S4 Table).

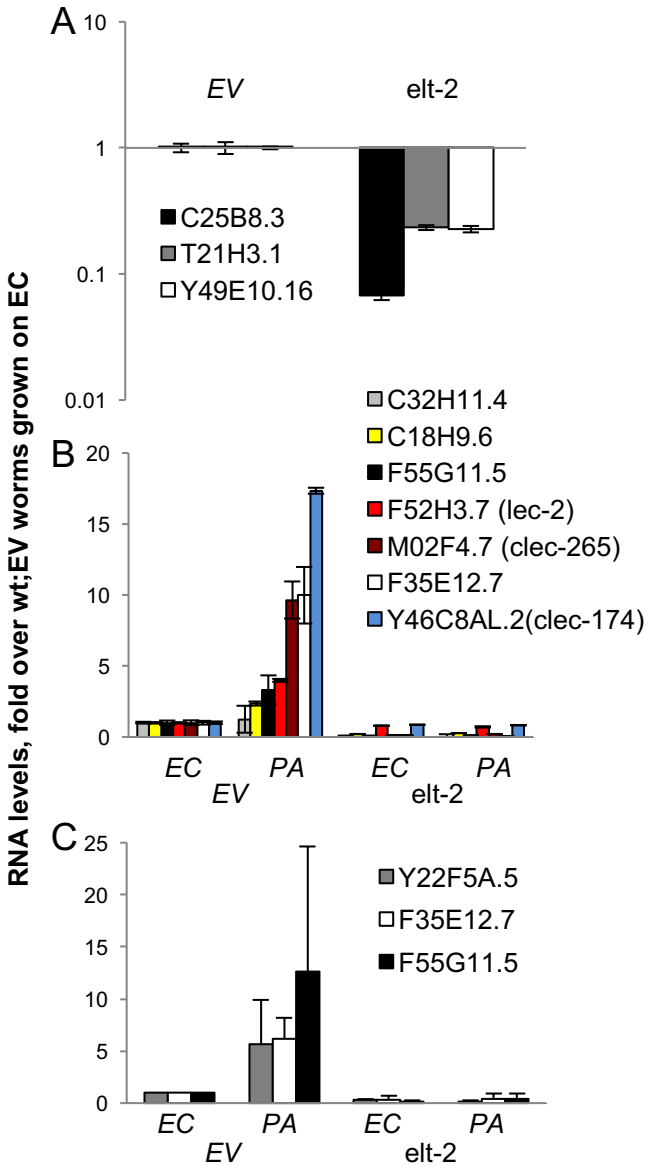

Figure S2. qRT-PCR verification of microarray results. RNA levels of designated genes, presented as fold difference over levels in control-treated animals grown on *E. coli* (EC) or *P. aeruginosa* (PA). RNAi knock-down, as designated was performed during adulthood. **A.** Expression of selected '*elt-2*-regulated' genes (encoding a putative protease, C25B8.3, and two putative lipases, T21H3.1 and Y49E10.16) in wildtype animals; measurements performed in duplicates. **B.** Expression of seven '*elt-2*-induced' genes in wildtype animals exposed to EC or to PA for 12 hours; columns show averages of measurements performed in duplicates, **C.** Expression of three '*elt-2*-induced' genes in *spe-26(it112)* sterile mutants exposed to EC or PA for 24 hours. Averages ± SDs for three independent experiments. Excluding F52H3.7, all of the examined genes contain a proximal promoter GATA motif.

In embryos, *elt-2* has been shown to contribute significantly to expression of genes encoding structural intestinal proteins (Bossinger et al., 2004; McGhee et al., 2009). However, in agreement with previous results, our microarray data did not reveal effects

of *elt-2* knock-down in adults on the expression of *act-5* (microvilli structure), *let-413* (adherens junctions), *eps-8* (apical morphogenesis), and *ifb-2* (intestinal-specific intermediate filament) (Shapira et al., 2006). In addition, qRT-PCR analysis found no effect of *elt-2* knock-down on the expression of non-hydrolytic genes previously shown to be expressed in the adult intestine: *lmp-1* (lysosomal membrane), *mrp-5* (membranal transport), and *ubl-1* (possibly involved in protein translation) (S3 Fig), whereas hydrolytic enzyme gene expression was reduced in the same RNA samples (as shown in S2A Fig). Together, this indicated that *elt-2* was necessary for specific functions in the adult intestine, but not for all.

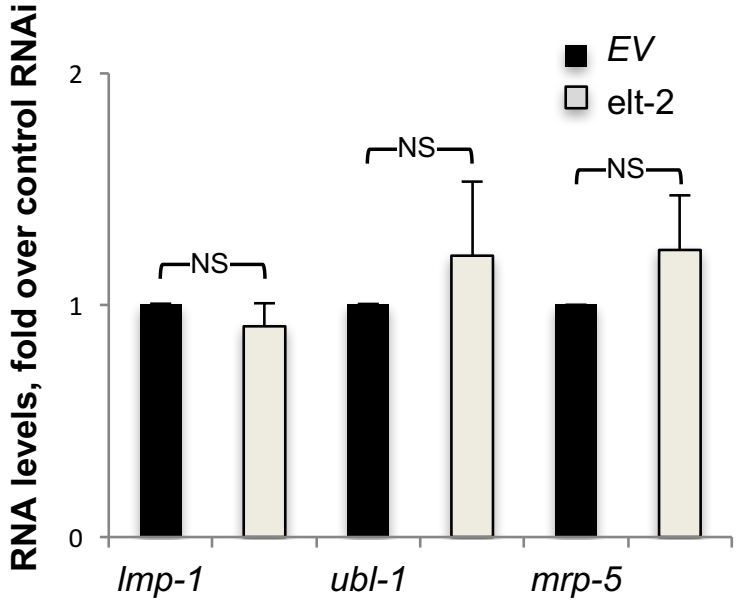

Figure S3. Intestinal genes not regulated by *elt-2* in adults. RNA levels of designated genes in wildtype worms following adult-stage RNAi treatment with designated clones. Shown are averages ± SDs for two independent experiments. NS, non-significant differences.

ELT-2 was previously shown to function synergistically with ELT-7 - a co-expressed intestinal GATA transcription factor - in morphological gut differentiation and in larval gut-specific gene expression (Sommermann et al., 2010). It is possible that redundancy between *elt-2* and *elt-7* masked additional contributions of *elt-2* to intestinal gene expression. Nevertheless, the results presented highlight *elt-2*'s dominant contribution to hydrolytic gene expression.

For the 'elt-2-induced' gene subset, all enriched 'process' GO annotations were related to defense and innate immune responses (22 genes, p=1.5E-15) (S4 Table). In addition, ten genes of this subset were annotated with carbohydrate binding, most of which are lectins, which are known to take part in *C. elegans* innate immune responses, and have been suggested to play roles in pathogen recognition (Schulenburg et al., 2008). These enriched annotations support the dominant role previously proposed for *elt-2* in regulating

intestinal innate immune responses. Interestingly, *elt-7* is a member of the '*elt-2*-induced' subset, suggesting participation in immune responses; however, previous work could not identify any significant contribution of *elt-7* to immune protection (Shapira et al., 2006).

Genetic interactions between *elt-2* and the p38 pathway

ELT-2 acts as a regulator of intestinal development following activation of its expression. This expression is maintained in adults, possibly through autoregulation (Fukushige et al., 1999). ELT-2 was previously shown to be constitutively nuclear (Fukushige et al., 1999). Therefore, to take part in regulation of induced responses (as demonstrated for '*elt-2*-induced' genes) its activity must be modulated by some signal transduction pathway(s). A likely candidate is the p38 pathway, which is known to play an important role in regulating *C. elegans* immune responses (Kim et al., 2002). Among genes previously described to be regulated downstream to the MAPKK gene *sek-1* or the p38 MAPK gene *pmk-1* (Troemel et al., 2006), and included in our filtered dataset, 38% (22/57) and 33% (13/39), respectively, were also regulated by *elt-2* ($p<4E-8$)(Fig. 2A). This suggested that *elt-2* co-regulated genes with the p38 pathway, potentially downstream to it. To examine this possibility, we knocked down *elt-2* in adult *sek-1(km4)* mutants. While *elt-2* knock-down significantly decreased resistance in wildtype animals, its effect on the already compromised resistance of *sek-1*mutants was marginal (Fig. 2B). The fact that overlap between p38 and *elt-2* targets was only partial could reflect technical differences between the two studies, resulting in different coverage of the respective datasets; additionally, it may reflect partially aligned regulatory programs, with some contributions to gene expression that are independent of each other. The survival analysis, showing only marginal exacerbation of infection susceptibility of *sek-1* mutants by elt-2 RNAi is more consistent with the first possibility.

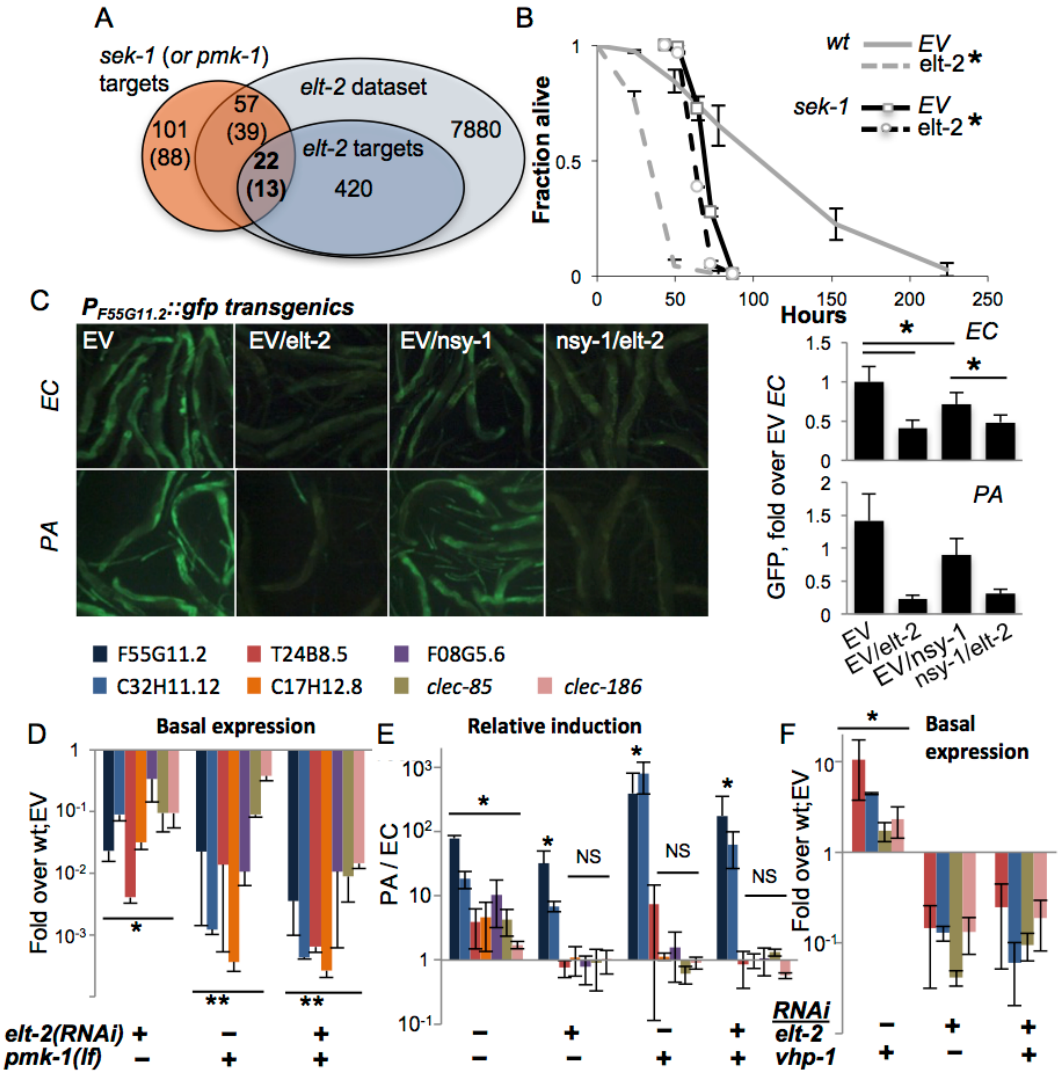

Figure 2. *elt-2* and the p38 pathway co-regulate immune protection. A. Overlaps between *sek-1* (or *pmk-1)* targets (Troemel *et al.*, 2006), and *elt-2* targets; gene numbers are shown. **B,** Survival curves for wildtype and *sek-1* animals fed with designated RNAi's during early adulthood, followed by *P. aeruginosa* infection; averages ± SDs for three plates (N=92-151 per group); shown is a representative of several experiments with similar results. **C**, $P_{F55G11.2}$*::gfp* worms fed with RNAi as designated during adulthood and exposed to *P. aeruginosa* (PA, 4 hours, N=10-19 per group) or *E. coli* (EC, N=19-25); signal quantification shown on the right, *p<3xE-6, ttest. Shown is a representative experiment of two with similar results. **D-F,** Gene expression in wildtype or *pmk-1(km25)* loss-of-function animals fed with designated RNAi's during larval development. Shown are averages and SDs for two independent experiments **D,F,** basal expression (values and statistics relative to values in wt;EV (set to 1 and therefore not shown). **E**, Induction following 12 hours of *P. aeruginosa* infection, relative to basal expression in similarly-treated worms grown on *E. coli*. *p<0.01, **p<0.0005 (paired t-test); asterisks mark significant differences for individual gene(s), or for each of the genes in a group designated by a line.

We next turned to gene expression, to further examine the relationship between the *elt-2* and p38 regulatory modules. We began by examining the expression of a GFP reporter controlled by the promoter of F55G11.2, an early immune response gene regulated by both *elt-2* and the p38 pathway (Shapira et al., 2006; Troemel et al., 2006). RNAi knock-

down in adult worms demonstrated that both the p38 MAP3K gene *nsy-1*, and more so *elt-2* were necessary for basal expression from the F55G11.2 promoter (Fig. 2C). In response to *P. aeruginosa,* F55G11.2 induction was apparent within four hours in control-treated animals, but not in *elt-2* knock-down animals. Disruption of *nsy-1* also reduced immune induction, but not as much as *elt-2* disruption. Similar results were observed in *pmk-1(km25)* mutants, corroborating the co-regulation of F55G11.2 by p38 signaling and *elt-2,* and the dominant contribution of *elt-2* to its expression (S4 Fig).

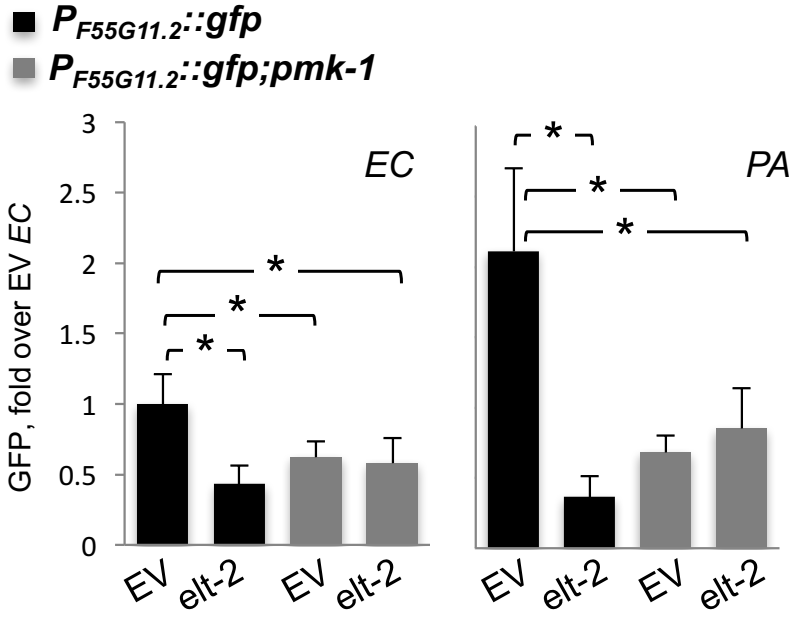

***Fig. S4. elt-2* and *pmk-1* co-regulate F55G11.2 expression.** Signal quantification of GFP signal in $P_{F55G11.2}$*::gfp and pmk-1(km25);*$P_{F55G11.2}$*::gfp* worms fed with RNAi as designated during development, and exposed to *P. aeruginosa* (PA, 4 hours, N=22-35 per group) or *E. coli* (EC, N=25-27); *p<2xE-10, ttest. A comparison to Fig. 2C, highlights the stronger induction caused by infection in younger worms. Shown are results for a representative experiment of two showing similar trends.

Using mutants carrying the *pmk-1(km25)* null allele, we expanded our analysis (and increased its sensitivity) by employing qRT-PCR to follow expression of genes potentially co-regulated by p38 signaling and *elt-2*. Because p38-dependent responses are more pronounced in younger worms (Youngman et al., 2011), we measured gene expression at the end of larval development. And while knock-down of *elt-2* during development has more pronounced effects than during adulthood, giving rise to scrawny worms (S1B Fig), *elt-2(RNAi-dev)* worms are healthy enough to reach adulthood and lay eggs. Expression was measured for F55G11.2, and for genes that were part of the overlap between *elt-2* and p38 targets (Fig. 2A): C32H11.12 ('*elt-2*-induced'), T24G8.5, *clec-85* and *clec-186* (all three '*elt-2*-regulated' according to the microarray analysis, and infection-induced in younger animals according to (Shapira et al., 2006). Two additional p38 targets were included, C17H12.8, and F08G5.6, the latter of which was previously shown to provide protection from infection (Shapira et al., 2006). All examined genes included proximal-promoter GATA motifs. qRT-PCR demonstrated that the seven genes were all regulated

by both *elt-2* and *pmk-1*. Basal expression was significantly reduced following *elt-2* knock-down, compared to age-matched control-treated animals, and was similarly reduced in *pmk-1* mutants (Fig. 2D). A twelve-hour exposure to *P. aeruginosa* induced the expression of all seven in wildtype animals, but the regulation of this induction divided the genes into two subsets. Induction of 5/7 genes was abolished by either *pmk-1* or *elt-2* disruption, indicating dependence on the two factors. However, F55G11.2 and C32H11.12, which depended on *pmk-1* or *elt-2* for basal expression, were significantly induced above basal levels, even when both *pmk-1* and *elt-2* were disrupted, suggesting that F55G11.2 and C32H11.12 may be regulated by additional factor(s)(Fig. 2E). The relative induction observed in these experiments was not apparent in the GFP reporter strain, presumably due to the increased sensitivity of qRT-PCR compared to fluorescence measurements. Similar experiments were performed with adult worms, which showed significantly lower gene induction during infection, but otherwise, similar contributions of *elt-2* and *pmk-1* to gene expression (S5 Fig.). Lastly, whether *elt-2* disruption can exacerbate gene repression in *pmk-1* mutants is not clear, since additive effects were observed in two-day adults (S5 Fig), but not in L4 larvae (Fig. 2E).

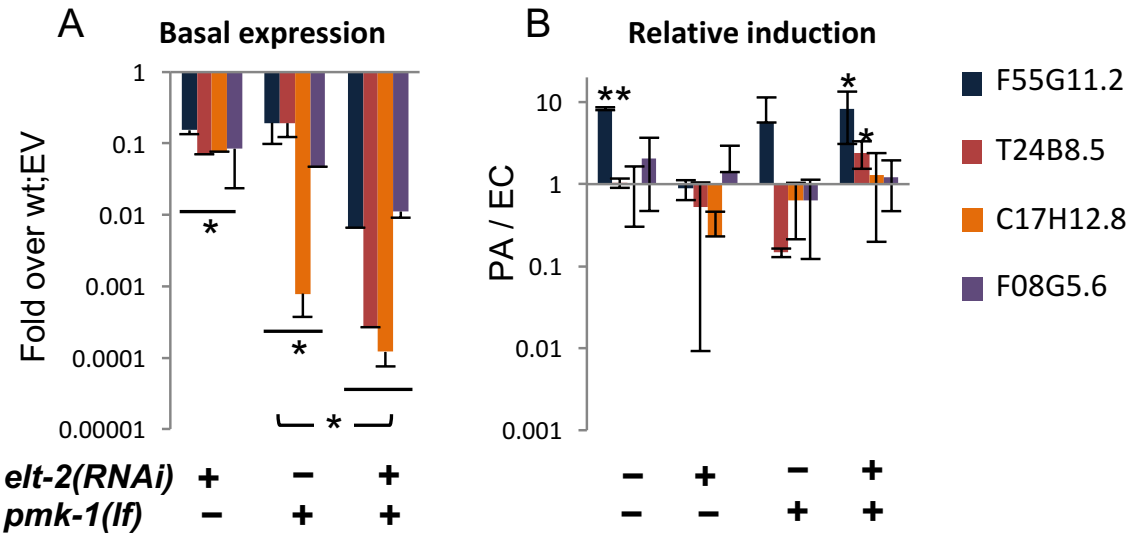

Figure S5. *elt-2* and the p38 pathway co-regulate immune gene expression in adults. Gene expression in wildtype or *pmk-1(km25)* loss-of-function animals fed with the designated RNAi's during the first two days of adulthood. Averages and SDs of two experiments, each measured in duplicates. **A,** basal expression (values and statistics are relative to values in wt;EV, not shown). **B**, Induction following 12 hours of *P. aeruginosa* infection, relative to basal expression in similarly-treated worms grown on *E. coli*. *p<0.05, **p<0.00005 (paired t-test); underlined asterisks mark significance for all four genes.

Survival and gene expression analyses in L4 larvae suggested that *elt-2* may be epistatic to *pmk-1*. To examine whether *elt-2* knock-down could abrogate *pmk-1*-dependent gene expression, we knocked down *vhp-1*, which encodes a phosphatase that dephosphorylates and inactivates PMK-1 (Kim et al., 2004). Accordingly, knock-down of *vhp-1* caused a significant induction of T24B8.5, C32H11.12, *clec-85* and *clec-186* (Fig. 2F). Simultaneous knock-down of *elt-2* abrogated this induction. This was not due to reduced efficiency of vhp-1 RNAi in a double knock-down setting, as *vhp-1* knock-down

was able to induce gene expression when mixed with another RNAi (see below). Instead, these results suggested that *elt-2* was essential for *pmk-1* dependent immune gene expression.

Interactions between *elt-2* and downstream mediators of the p38 pathway

ATF-7. ATF-7 was reported to regulate gene expression downstream of PMK-1. Normally a repressor of gene expression, its *pmk-1*-dependent phosphorylation during infection transforms it to an activator (Shivers et al., 2010). Worms carrying the *atf-7(qd22qd130)* loss-of-function allele were reported to be impaired for both gene repression and activation. Given the proposed involvement of *elt-2* in *pmk-1*-dependent immune gene expression, it was of interest to examine how *elt-2* interacted with *atf-7*. Survival analysis showed that *elt-2* knock-down in developing *atf-7* mutants only marginally exacerbated infection susceptibility, as in *pmk-1* mutants (Fig. 3A); similar results were observed in worms treated with elt-2 RNAi during adulthood (S6A Fig).

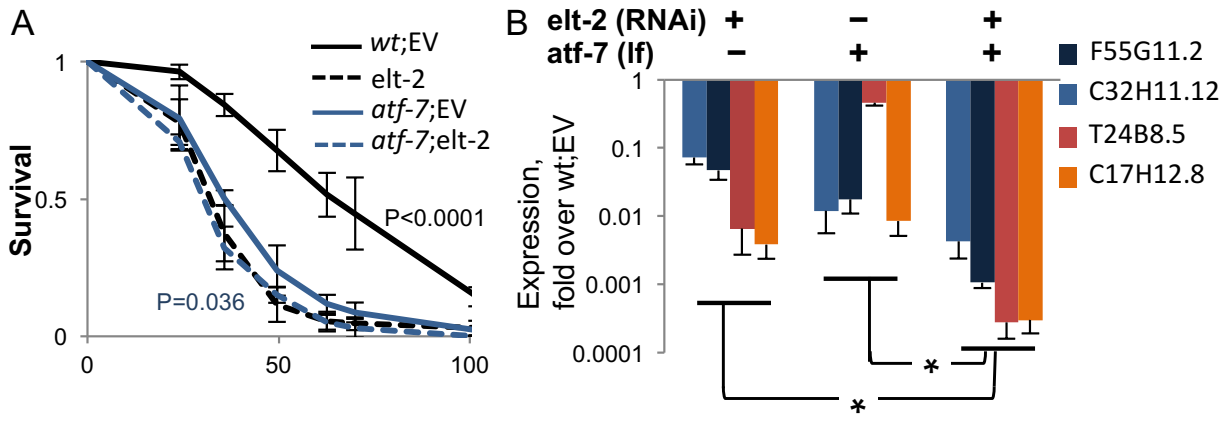

Figure S6. *elt-2* is essential for *atf-7*-dependent immune gene regulation in adults. A. Survival curves for wildtype and *atf-7(qd22qd130)* loss-of-function animals, fed with EV, atf-7 or elt-2 RNAi during adulthood, followed by infection. Shown are averages ± SDs for three plates (N=129-140 per group) in a representative experiment of several others with similar results. **B,** Gene expression (log scale) in wildtype and *atf-7(qd22qd130)* animals, fed with designated RNAi's. Basal RNA levels were measured in 2-day old adults. Shown are averages and SDs with *p<0.05 (paired t-test) for two experiments (each measured in duplicates). Asterisks are shown when all genes in the group show statistically-significant differences.

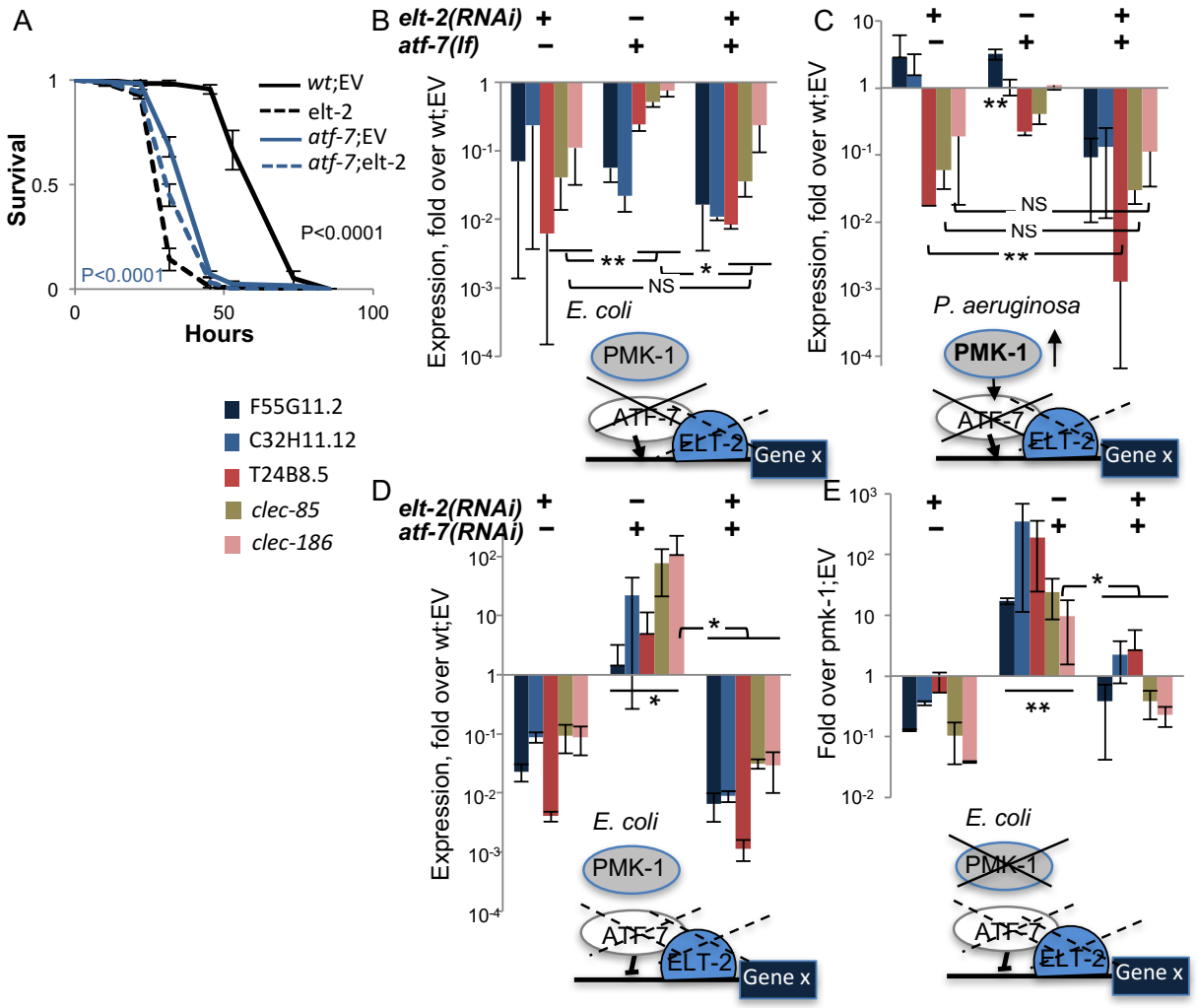

Figure 3. *elt-2* is essential for *atf-7*-dependent immune gene regulation. A. Survival curves for wildtype and *atf-7(qd22qd130)* animals fed with designated RNAi's during development followed by infection. Averages ± SDs for three plates (N=129-140 per group) in a representative experiment of several others with similar results. **B-E,** Gene expression (log scale) in wildtype, *pmk-1(km25),* and *atf-7(qd22qd130)* animals, fed with designated RNAi's during development. Models depict for each panel the mode of disruption, or status, of examined factors (solid-line crosses, loss-of-function mutants; dashed-line crosses, knock-down), placing ELT-2 tentatively at the proximal promoter of immune genes (Gene X) putatively regulated by PMK-1 and ATF-7; *atf-7* is depicted as an activator (arrow) or repressor (blunt-ended arrow), based on disruption effects on gene expression. RNA levels were measured in L4/YA worms. Each panel presents averages and SDs for two independent experiments. Asterisks mark inter-group significance with *p<0.05, **p<0.01, and NS, non-significant (paired t-test) for all genes in the group or in underlined subset.

Using *atf-7(qd22qd130)* and *pmk-1(km25)* mutants, in combination with *elt-2* or *atf-7* knock-down, qRT-PCR was employed to examine the involvement of *elt-2* in *pmk-1/atf-7* dependent gene expression. Under normal conditions (growth on *E. coli*), both *elt-2(RNAi)* animals and *atf-7* mutants showed a strong reduction in immune gene expression compared to wildtype animals (Fig. 3B). Similar results were observed in two-day old adults (S6B Fig). Whereas *atf-7* is expected to function as a repressor under normal conditions, the results suggested that it was necessary (as was *elt-2*) for activating

gene expression; this is depicted in the model accompanying Fig. 3B. Since *E. coli* strain OP50-1 has been previously reported to be weakly pathogenic (Hahm et al., 2011), it is possible that under basal conditions wildtype ATF-7 functions mostly as an activator. While *atf-7* and *elt-2* appeared to regulate the same genes, the relationship between them was not immediately apparent: additive contributions of the two were suggested by expression patterns of F55G11.2 and C32H11.12, but dominance of *elt-2* was suggested by expression patterns of T24B8.5, *clec-85* and *clec-186,* for which *elt-2* knock-down reduced gene expression in wildtype worms or *atf-7* mutants to the same extent with no additive effects.

A similar dichotomy in the relationship between *atf-7* and *elt-2* in regulating target gene expression was observed following infection of wildtype and *atf-7* worms with *P. aeruginosa,* which is known to activate PMK-1 (Fig. 3C model), and normally induces the expression of all examined genes (Fig. 2E). F55G11.2 and C32H11.12 were modestly induced in response to the pathogen even when *elt-2* was knocked down, or in *atf-7* mutants (F55G11.2 only) (Fig. 3C). Only a double disruption decreased expression of the two genes to levels below those observed in wildtype animals and abolished induction. This result corroborated the roles of *atf-7* and *elt-2* in positive regulation of immune gene expression, and suggested that for some immune response genes the two factors may provide independent inputs. On the other hand, *clec-85, clec-186* and T24B8.5 failed to be induced either in *atf-7* mutants or in *elt-2(RNAi)* animals, and showed in both cases lower RNA levels compared to wildtype control animals, with stronger effects of *elt-2* disruption, and mostly with no additive effects of *atf-7* disruption (with the exception of T24B8.5). This suggested that in the regulation of other immune genes *elt-2* and *atf-7* were epistatic.

While experiments in *atf-7* loss-of-function mutants pointed at roles in gene activation, *atf-7* knock-down experiments in wildtype animals exposed its contributions to gene repression. Knock-down of *atf-7* during larval development resulted in derepression, albeit variable, of all examined genes (Fig. 3D). This was abolished by *elt-2* knock-down. Strong derepression was observed only when *atf-7* was knocked down in *pmk-1* mutants, when all ATF-7 molecules are expected to be unphosphorylated and therefore in repressive mode (Fig. 3E). Again, *elt-2* knock-down completely abrogated this derepression, supporting the notion that *elt-2* is essential for expression of *atf-7*-regulated genes.

The results presented in Fig. 3 demonstrate that *elt-2* is important for *atf-7*-dependent immune gene expression, basal and induced. In particular, gene expression measurements in *pmk-1* mutants suggest that *elt-2* is a master regulator without which *atf-7*-dependent genes cannot be expressed effectively. When ATF-7 was activated, primarily during exposure to *P. aeruginosa*, but to a lesser degree also on *E. coli*, it co-regulated genes together with *elt-2*, demonstrating additive contributions for some genes, but not for others.

SKN-1. While the expression of *clec-85*, *clec-186* and T24B8.5 were fully explained by contributions from *elt-2* and *atf-7* downstream to the p38 pathway, the expression of

F55G11.2 and C32H11.12 was not, and induction, relative to basal expression levels, was still observed when all three were disrupted (Fig. 2E and 3C). C32H11.12 was previously shown to be regulated by intestinal SKN-1, and the F55G11.2 promoter is bound by this transcription factor (Bishop and Guarente, 2007; Gerstein et al., 2010). SKN-1 mediates p38-dependent responses to oxidative stress, but was also shown to contribute to immune protection (van der Hoeven et al., 2011; Inoue et al., 2005; Papp et al., 2012). Therefore, we examined whether *skn-1* contributed to the expression of the two genes. Both F55G11.2 and C32H11.12 were repressed when any one of *elt-2*, *skn-1*, or *atf-7* was disrupted (Fig. 4A), with accumulating additive effects. However, their infection-induced expression was not significantly reduced until both *skn-1* and *atf-7* were disrupted (Fig. 4B). This suggested that each of the three transcription factors contributed to the expression of F55G11.2 and C32H11.12, and that *atf-7* and *skn-1* contributed independently to their induction. Whereas *skn-1* contributed to the expression of these two p38-dependent genes, it did not affect others. Thus, induction of F55G11.2 and C32H11.12 following p38 activation by *vhp-1* knock-down was abolished by *skn-1* knock-down, but induction of T24B8.5, *clec-85* and *clec-186* was not (Fig. 4C). Furthermore, not only do *elt-2* and *skn-1* both contribute to F55G11.2 and C32H11.12 expression, but *elt-2* seems to be required for *skn-1*-dependent regulation, as elt-2 RNAi was able to abolish induction of C32H11.12 following *vhp-1* knock-down (Fig. 2F).

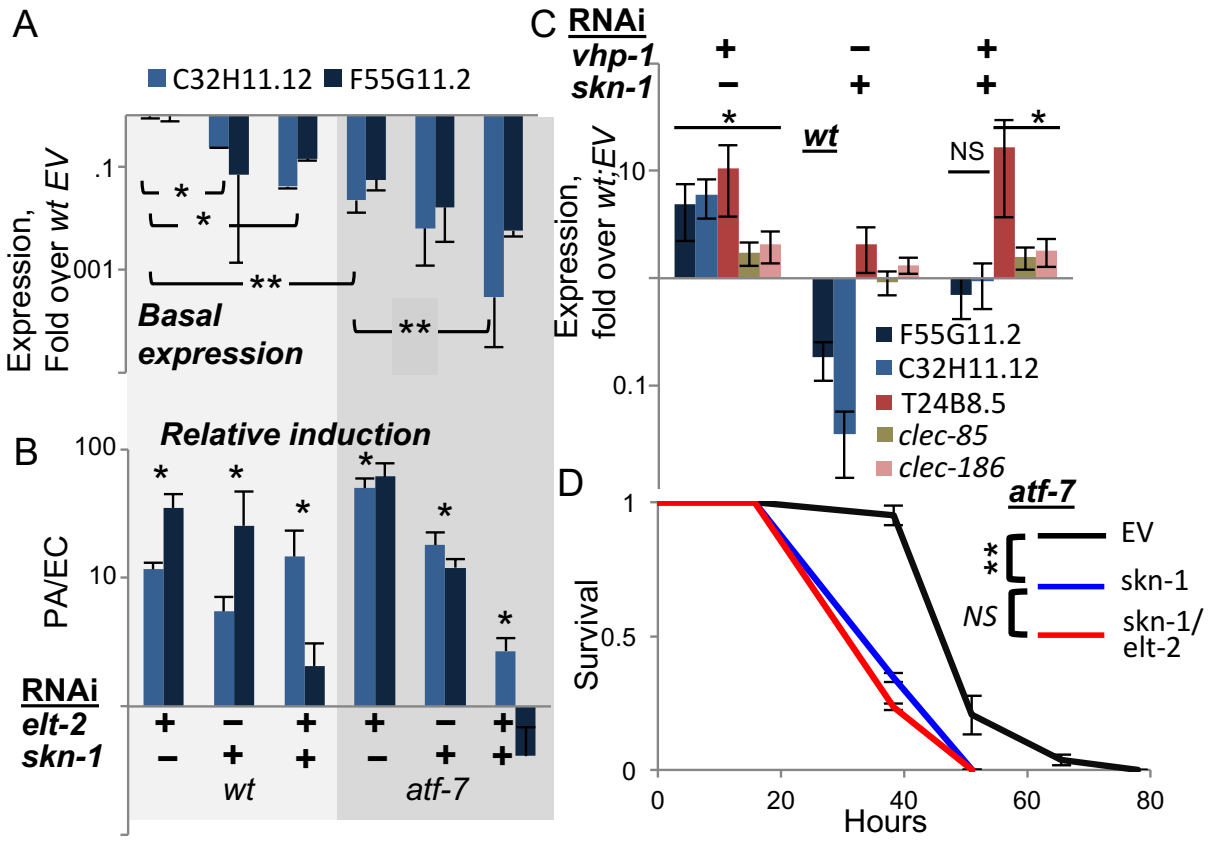

Figure 4. *skn-1* co-regulates gene expression with *atf-7* and *elt-2*. A-C, Gene expression (log scale) in wildtype or *atf-7(qd22qd130)* animals fed with designated RNAi's during development. Averages ± SDs for two independent experiments (or three, in C), with *p<0.05 and **p<0.0005 (t-test) for differences between groups joined by line (A), or between marked groups and their respective references (B). **A**, basal expression following development knock-down, with values and statistics relative to values in wt;EV, not shown. **B**, similar RNAi treatments as in A, followed by exposure to *E. Coli* (EC), or *P. aeruginosa* (PA). Responses to PA are shown as fold over basal expression in similarly-treated worms grown on EC. **C**, basal expression following development knock-down. **D,** Survival curves for *atf-7(qd22qd130)* animals fed with designated RNAi's during development, followed by infection; averages ± SDs for three plates (N=83-90 per group).

In summary, *skn-1* seems to be the additional factor needed to explain observed expression patterns of F55G11.2 and C32H11.12. The two genes examined here probably represent a subset of the p38-dependent immune response, regulated not only by *atf-7* and *elt-2*, but also by *skn-1*. Indeed, survival analysis in *atf-7* mutants demonstrated the non-redundant contribution of *skn-1* to infection resistance, and further showed no added contribution of *elt-2,* suggesting that in regulating immune protection *elt-2* works with these two regulators but no additional ones (Fig. 4D).

Discussion

Our expression analyses in *elt-2*-disrupted worms define two dominant roles for *elt-2* in the adult intestine – regulation of hydrolytic, potentially digestive, enzymes, and regulation of defense/immune genes. Whereas *elt-2* has been proposed to regulate all intestinal gene expression, we narrow its role in constitutive intestinal expression by showing that

adult *elt-2* is important particularly for expression of genes encoding hydrolytic enzymes, but not those that contribute to intestinal structure. Furthermore, we show for the first time that ELT-2 co-regulates induced immune responses together with ATF-7 and SKN-1, functioning as a tissue-specific master regulator controlling the contribution of the p38 pathway to innate immunity.

Regulation of immune responses

ELT-2 was previously shown to be an immune regulator in adult worms, contributing to immune responses and infection resistance (Shapira et al., 2006). Whereas the vertebrate protein GATA3 activates gene expression following nuclear translocation induced by p38 phosphorylation (Maneechotesuwan et al., 2007), nuclear localization of the *elt-2* ortholog GATA4 was instead shown to be controlled by the kinase GSK3β (Morisco et al., 2001). In contrast, ELT-2 was proposed to be constitutively localized to the nucleus (Fukushige et al., 1999). Thus, how *elt-2* contributed to induced responses was not clear, and if p38 was responsible for infection-induced activation of ELT-2, it was still unclear how this was achieved. While our results cannot rule out ELT-2 phosphorylation by the p38 pathway, they suggest a model in which ELT-2 functions as a master regulator of immune gene expression, cooperating with transcription factors activated by the p38 pathway, namely ATF-7 and SKN-1 (Fig. 5). Under normal conditions, ATF-7 functions as a repressor and interferes with *elt-2*-dependent gene expression; SKN-1 contributes positively to the expression of some genes (of group B, see Fig. 5), but not others (group A). Upon exposure to a pathogen, PMK-1 is activated, phosphorylating ATF-7 and transforming it into a transcriptional activator (Shivers et al., 2010). In this capacity, ATF-7 cooperates with ELT-2 to induce immune gene expression.

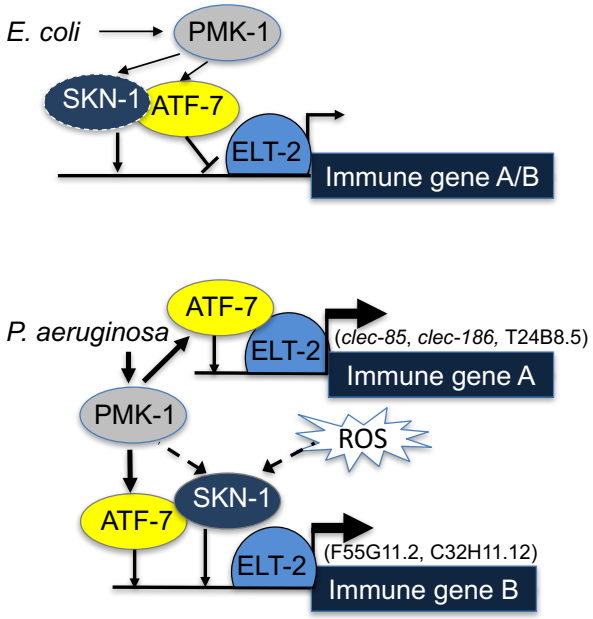

Figure 5. ELT-2-PMK-1-ATF-7-SKN-1 interactions in gene regulation. A model. Solid lines represent interactions suggested by results (line thickness is proportional to degree of activation). Dashed lines represent putative alternative options.

To better fit this model to the results, it is necessary to consider that under normal conditions activated PMK-1 is present (supported by(Kawli et al., 2010; Twumasi-Boateng et al., 2012)); indeed, "normal" conditions include the presence of *E. coli* OP50*,* which is a weak pathogen (Garsin et al., 2001; Hahm et al., 2011). Thus, by constitutively controlling the interference of ATF-7 with *elt-2*-dependent expression, PMK-1 plays a role in establishing basal levels of immune gene expression.

Whereas co-regulation by ELT-2 and ATF-7 was sufficient to explain immune responses of group A genes, group B genes additionally depended on SKN-1. Our results support a model in which *elt-2* is independently required for *atf-7*- and *skn-1*-dependent gene expression, which could explain the observed additive effects in the contributions of *skn-1* and *atf-7* to the expression of group B genes. SKN-1 can be directly phosphorylated and activated by the p38 pathway (Inoue et al., 2005), but can alternatively be activated by reactive oxygen species (ROS) generated as part of the protective immune response (van der Hoeven et al., 2011). Furthermore, alternative sources of ROS (e.g. induced by infecting pathogens (Gardner, 1996)) may activate SKN-1 independent of the p38 pathway, as suggested by the reported inability of p38 disruption to completely abolish the induction of oxidative stress response genes during infection (van der Hoeven et al., 2011). A p38-indepedent SKN-1 activation could explain the results presented in Fig. 2, demonstrating induction of F55G11.2 and C32H11.12 in infected *pmk-1* mutants. Lastly, a recent report suggested an involvement of the PQM-1 transcription factor in regulating F55G11.2 under normal conditions (Tepper et al., 2013). *pqm-1* affected F55G11.2 expression, but its contribution appears to be small compared to what we have observed with *elt-2*. While *pqm-1* may provide yet another regulatory input to F55G11.2 gene expression, its contribution is not required for explaining F55G11.2's expression patterns during infection.

Regulation of constitutive intestinal gene expression

As a key regulator of intestinal terminal differentiation, the continued expression of *elt-2* in the adult worm has been considered as required for maintenance of intestinal structure and function. Support for this was offered by experiments showing that ectopic *elt-2* expression, or *elt-2* disruption, during embryogenesis, affected expression of intestinal genes, some of which are expressed in adults (McGhee et al., 2009). However, with only about 10% overlap between adult and embryonic intestinal gene sets it seems that such experiments might reflect *elt-2* contributions in embryos and not necessarily in adults. Differences in *elt-2* contributions in different ages have been described. For example, expression of *ifb-2*, which encodes an intermediate filament protein, is abolished by *elt-2* disruption in embryos, but is unaffected in L1 larvae (Sommermann et al., 2010); similarly, it is unaffected in adults (Shapira et al., 2006) (and this study), suggesting diminishing regulatory contributions. It was demonstrated that past embryogenesis, *elt-2* contributed redundantly to intestinal gene expression with a second intestinal GATA transcription factor, ELT-7 (Sommermann et al., 2010): whereas neither disruption of *elt-2*, nor *elt-7,* affected larval *ifb-2* expression, disruption of both abolished this expression; this pattern of redundant regulation was shared by several genes, most of which encode intestinal

structural proteins. It is quite possible that *elt-2,* together with *elt-7*, maintains its contributions to expression of structure-related genes in the adult intestine. However, our results suggest a distinct, and dominant, role for *elt-2* in the adult intestine - regulating the expression of hydrolytic enzymes. Such regulation is potentially important for intestinal function (digestion), but also creates a hostile environment for invading pathogens. It is tempting to suggest that the lack of redundancy in regulating these genes (manifested as reduction in gene expression following knock-down of *elt-2* alone) is related to the dominant contribution of *elt-2* for immune responses.

While hydrolytic enzyme genes are the only ones that we found to be enriched among the 'elt-2-regulated' genes, they make up only 20% of this subset. It is possible that additional *elt-2*-regulated functions are included in this subset, but are obscured by indirectly regulated genes, which our bioinformatic analysis suggests make up a significant part of this gene subset.

In summary, our genome-wide analysis helps distinguish between basal and pathogen-induced *elt-2*-dependent regulons in the adult worm. Whereas the functional composition of the two appears to be distinct, an overarching theme of anti-bacterial functions is consistent with the idea that bacteria can be both food and pathogens. Additional results further shed light on the largely uncharacterized contribution of *elt-2* to induced responses, revealing cooperation with the transcription factors ATF-7 and SKN-1 downstream to the p38 pathway, and suggesting a function of a tissue-specific master regulator. Whereas *elt-2* contributions to gene expression during and after development seem to differ both compositionally and mechanistically, it seems that its status as a master regulator is maintained in the adult intestine.

Materials and Methods

Worm strains were obtained from the *Caenorhabditis* Genetics Center and included wild-type N2; *sek-1(km4)*, *pmk-1(km25)* and *atf-7(qd22qd130)* signaling mutants*;* and *spe-26(it112)* temperature-dependent sterile mutants, which lay unfertilized eggs. $P_{F55G11.2}$*::gfp* worms were designed as described below, and further mated to generated $P_{F55G11.2}$*::gfp;pmk-1(km25)* worms. Bacterial strains included: *E. coli* strain OP50-1, *Pseudomonas aeruginosa* strain PA14, and the latter's GFP-expressing derivative PA14-GFP (Tan et al., 1999).

RNAi-mediated knock-down was performed with the standard feeding protocol, using bacterial clones from the Ahringer library, with empty RNAi vector (EV) serving as control (Kamath et al., 2003; Shapira et al., 2006). The exception is atf-7 RNAi, which was from the Open Biosystems library. RNAi feeding was performed for two days, starting at the egg stage (RNAi-dev), or late L4 (RNAi-ad). The protocol used here was previously shown (in worms expressing ELT-2::GFP) to result in a complete knock-down of ELT-2 (Shapira et al., 2006).

Worm growth and infection. All experiments were carried out using synchronized worm populations grown on *E. coli* at 25°C. Infections were performed using the slow killing

protocol, typically at 25°C, or when following survival of sensitive strains, at 20°C (Tan et al., 1999). Survival analysis of adult *sek-1(km4)* mutants was performed with cdc-25.1(RNAi)-sterilized animals (Shapira and Tan, 2008), to avoid confounding effects of internal egg hatching. Statistical evaluation of differences between survival curves was performed using Kaplan-Meier analysis followed by the Log-rank test.

Microarray experiments. Worms were exposed to RNAi (control or elt-2) beginning at the L4 stage, and following two days were transferred either to *E. coli* OP50 or to *P. aeruginosa* PA14-GFP. Following eighteen hours of exposure (control), or twelve hours (elt-2 RNAi), worms were harvested for RNA extraction and microarray analysis. In a previous study we sought to determine the contribution of colonization (and its associated damage), versus specific pathogen recognition, to differential innate immune responses, and what role *elt-2* played in regulating these responses. Therefore, worms were separated into those that were conspicuously colonized with the GFP-expressing pathogen, and those that were not visibly colonized. Times of exposure to the pathogen were optimized to maximize colonization variability in the population and were therefore shorter in the more susceptible *elt-2(RNAi)* worms. In our previous study we focused on immune responses only in control-treated animals and found them to be identical irrespective of colonization status (Twumasi-Boateng and Shapira, 2012). In the current analysis we focused on the role of *elt-2* in innate immune responses as a whole, utilizing data from control-treated animals as a reference for comparison. For this purpose, data from colonized and non-colonized worm groups can be pooled into one group - exposure to pathogen. This results in six independent repeats in *control(RNAi)* animals exposed to the pathogen, compared to three repeats of similarly-treated animals exposed to *E. coli*; for the *elt-2(RNAi)* animals, the exposure to *E. coli* was performed in duplicate, and to the pathogen - in triplicate. RNA was extracted from worms using Trizol (Invitrogen) (100-700 worms per group), and amplified using the MessageAmp II aRNA Amplification Kit (Ambion), labeled with the ULS aRNA Labeling Kit (Kreatech) and co-hybridized to Epoxy (Corning) microarrays spotted with 60-mer oligonucleotides (Washington University Genome Sequencing Center) with a similarly amplified and labeled reference RNA sample (Twumasi-Boateng and Shapira, 2012). Filtering for high-quality data resulted in 7,880 genes with expression values >2.5 fold over background in >70% of the microarrays. These gene expression profiles were analyzed with the SAM microarray analysis package (Tusher et al., 2001); a two-class testing configuration was used to identify genes differentially-expressed during infection in untreated worms compared to *elt-2(RNAi)* worms, with a false discovery rate of 9%.

$P_{F55G11.2}$::gfp **promoter-reporter strain.** A genomic fragment including 1.7 Kb of F55G11.2 upstream region was amplified (annealing: 60°C) using specific primers A-gaagcgcattggtctttga, and B- AGTCGACCTGCAGGCATGCAAGCTttccagcggcggaaact, the latter tailed (capitalized), for subsequent recombinant PCR. This fragment includes part of the F55G11.3 upstream pseudogene, as well as the initial 58 bp of F55G11.2 coding sequence. Recombinant PCR fused this fragment with *gfp*, as previously described, using the nested primer A* (caatttggacacggcaaact) together with the previously described D* primer (Boulin et al., 2006). Transgenic animals were generated by microinjecting PCR products, together with the *rol-6(su1006)* dominant marker, into

worms. Genome integration was subsequently achieved by UV irradiation, as described (Mariol et al., 2013). GFP signal was quantified in worm images using the MetaMorph analysis software (Molecular Devices).

Quantitative (q)RT-PCR. RNA extracted as described above was used as template with primers listed in S1 Table. Gene-specific threshold cycle (Ct) values were normalized to the respective actin values, and presented as fold change over normalized values from control-treated animals exposed to *E. coli*, or when relative induction was assessed, as fold change in worms exposed to *P. aeruginosa* over values in worms of similar genetic background/treatment exposed to *E. coli*. Statistical significance was evaluated with a t-test using actin-normalized Ct values.

Bioinformatics. Management and analysis of gene lists was performed using WormMine (http://www.wormbase.org/tools/wormmine/). Searches for the GATA DNA motif were performed using the MEME suite (http://meme.nbcr.net): FIMO, for analysis of motif distribution; and MAST, for motif prevalence. The DNA motif used for searches was the consensus sequence TGATAA, shared by GATA motifs in different datasets (McGhee et al., 2009; Shapira et al., 2006). Promoter sequences were retrieved with Worm mart, from Wormbase version WS220. GO analysis was performed with Generic GO Term Finder (http://go.princeton.edu/), using a gene association file downloaded from Wormbase version WS245, and applying Bonferroni correction for p-value calculation (unless otherwise mentioned).

Chapter 2: Involvement of the transthyretin-like gene *ttr-1* in lifespan regulation

As described in the Introduction, the transthyretin-like genes *(ttrs)* are a family of 59 genes in *C. elegans* that contain a transthyretin-like domain. These proteins share some structural similarity with human transthyretin, which acts as a lipophilic hormone carrier in the blood and cerebrospinal fluid. While several *ttrs* appear to be induced upon stress and aging, their functions are largely unknown. We investigated the role of the transthyretin-like protein *ttr-1,* and suggest that it plays a role in sensing of nutrient conditions and in regulating lifespan.

Results

ttr-1 delimits lifespan via DAF-16

We originally became interested in transthyretin-like *(ttr)* genes from a previous dataset in the lab, which showed that *ttrs* are overrepresented among targets of the stress-responsive kinase KGB-1 (Zhang et al., 2017). We previously showed that KGB-1 activation shortens lifespan (Twumasi-Boateng et al., 2012), so we decided to examine the lifespan of an available *ttr* mutant, *ttr-1(ok2250).* We found that *ttr-1* disruption extended lifespan, while overexpression of *ttr-1* shortened it (Figure 1). While *ttr-1* mutants have a reduced brood size, their longevity is not simply a result of a reproduction-lifespan tradeoff, since *ttr-1* mutants that lack a germline are also long-lived (Figure 2).

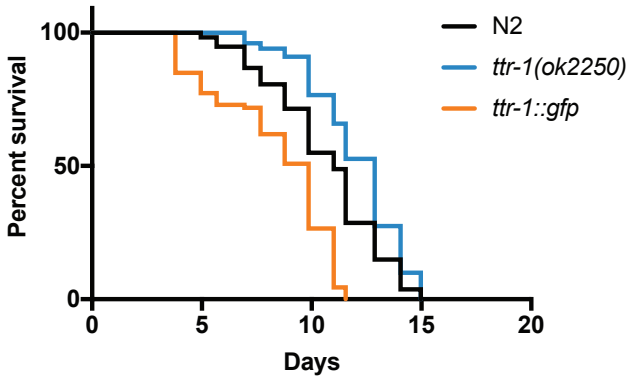

Figure 1. *ttr-1* disruption extends lifespan, while overexpression shortens lifespan. Survival curves for N2, *ttr-1(ok2250),* and *ttr-1::gfp* worms grown on HT115 *E. coli* from egg throughout life at 25°C. See also Table S1. Shown is a representative of several experiments with similar results.

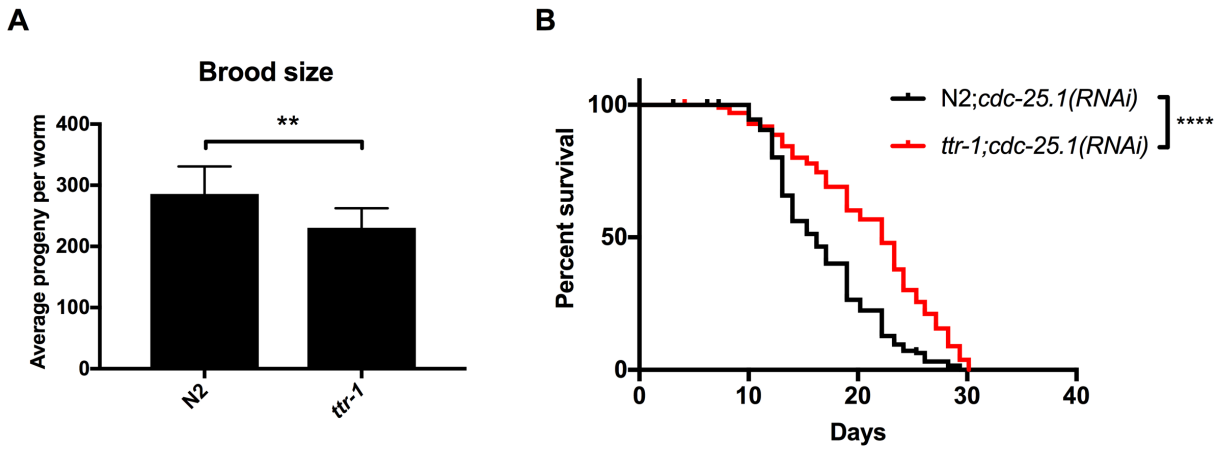

Figure 2. *ttr-1* disruption increases lifespan independent of fertility. (A) Viable progeny count of wild type and *ttr-1* mutant worms. Shown are averages ± SD of a representative experiment of several showing similar results. N = 10 worms per strain, **P<0.01, unpaired t-test. (B) Lifespan of wild type and *ttr-1* mutants at 25°C exposed to *cdc-25.1* RNAi during development, which prevents germline proliferation. N = 124-147 worms per group, ****P<0.0001. See also Table S1.

ttr-1 disruption increased levels of a DAF-16::GFP translational reporter (Figure 3a). *ttr-1* disruption also marginally increased *daf-16* mRNA levels, but not in a significant manner, suggesting that DAF-16 regulation by TTR-1 more likely occurs at the protein level and not the transcriptional level (Figure 3b). The increase in DAF-16 appears to have a functional consequence, as lifespan extension of *ttr-1* mutants depended on *daf-16* (Figure 4).

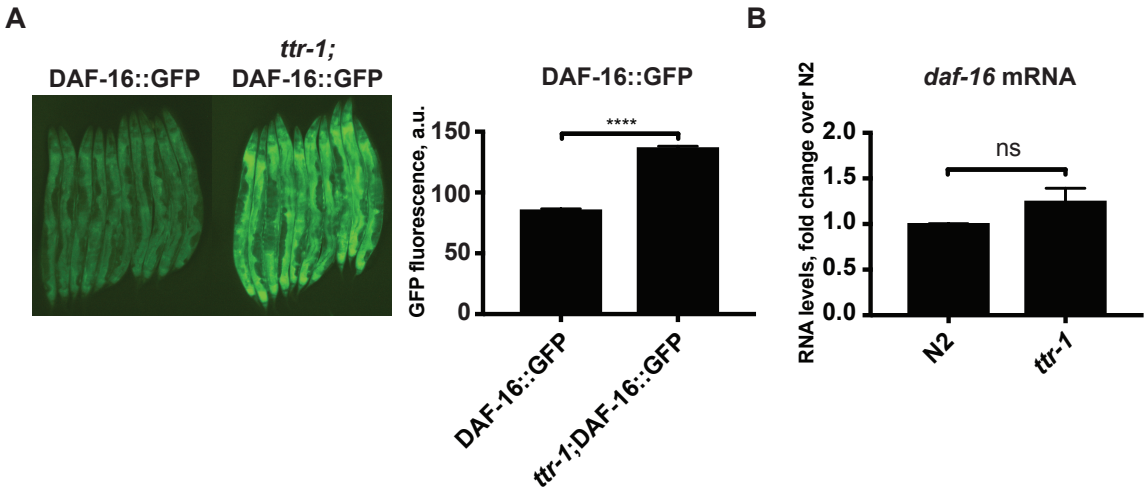

Figure 3. *ttr-1* disruption increases DAF-16 levels. (A) Representative images and quantification of wild type and *ttr-1* mutant backgrounds in TJ356, which contains an integrated *daf-16a/b::gfp* transgene. N = 20 worms (day 1 adults) per group, ****P<0.0001, unpaired t-test. Similar results were observed in several independent experiments. (B) *daf-16* RNA levels in day 1 adults. Average ± SD of two independent experiments. ns = non-significant difference.

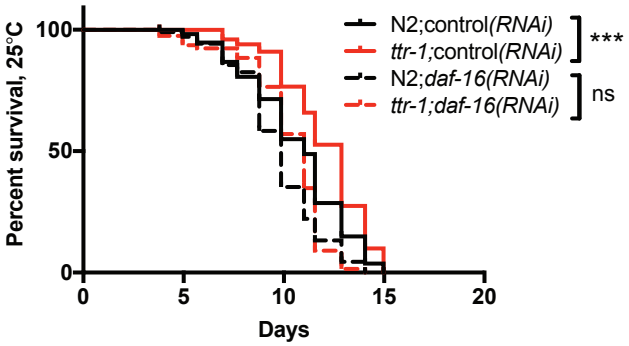

Figure 4. *ttr-1* mutant lifespan extension depends on *daf-16*. Lifespan of wild type and *ttr-1* mutants treated with *daf-16* RNAi from egg. N = 80-118 worms per group, ***P<0.001, ns = not significant. See also Table S1.

Given that the main regulator of DAF-16 in *C. elegans* is insulin-like signaling, we examined the genetic interaction between *ttr-1* and *daf-2.* Reduction of *daf-2* still extended lifespan in *ttr-1* mutants, but not as much as it did in wildtype worms (Figure 5a). DAF-16a/b::GFP can translocate to the nucleus and drive transcription of certain target genes in *ttr-1* mutants as efficiently as it can in wildtype worms (Figure 5b,c); however, it is possible that *ttr-1* prevents some activity of either other isoforms of DAF-16 or other transcription factors contributing to IIS-mediated longevity, such as SKN-1.

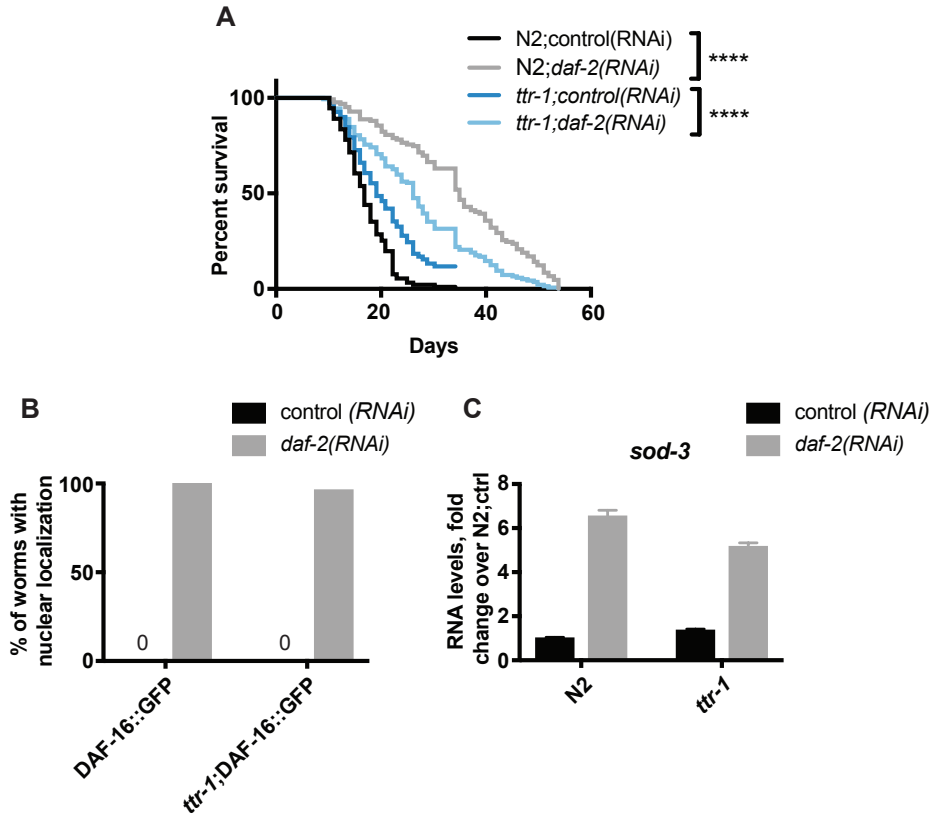

Figure 5. Effect of reduced insulin signaling on lifespan, DAF-16 nuclear localization, and DAF-16 target gene expression in *ttr-1* mutants. (A) Lifespan of wild type and *ttr-1* mutants exposed to *daf-2* RNAi from egg at 20°C. N = 95-150 worms per group, ****P<0.0001. See also Table S1.

Expression pattern of *ttr-1*

A *ttr-1::gfp* translational fusion, which is driven by over 3kb of sequence upstream of *ttr-1,* localized to the spermatheca, vulva, and intestine (Figure 6a). Faint expression was sometimes visible in coelomocytes, three pairs of large cells that endocytose and recycle soluble material from the pseudocoelom. Expression of the *ttr-1::gfp* fusion protein became visible starting at the young adult stage, which is consistent with qRT-PCR data showing that *ttr-1* transcript levels remain low during larval development and increase from L4 into adulthood (Figure 6b). In addition, *ttr-1* is dramatically induced during L1 arrest and dauer (Figure 6c). Surprisingly, a transcriptional reporter of *ttr-1* shows strong expression in coelomocytes and neurons (Figure 6d), suggesting that *ttr-1* is transcribed in these cells, but the mature protein then travels to the spermatheca, vulva, and intestine. *ttr-1* has a predicted signal sequence, and knock-down of genes required for coelomocyte uptake decreased the percentage of worms showing GFP in coelomocytes, further suggesting that TTR-1 is secreted into the pseudocoelom (Figure 7).

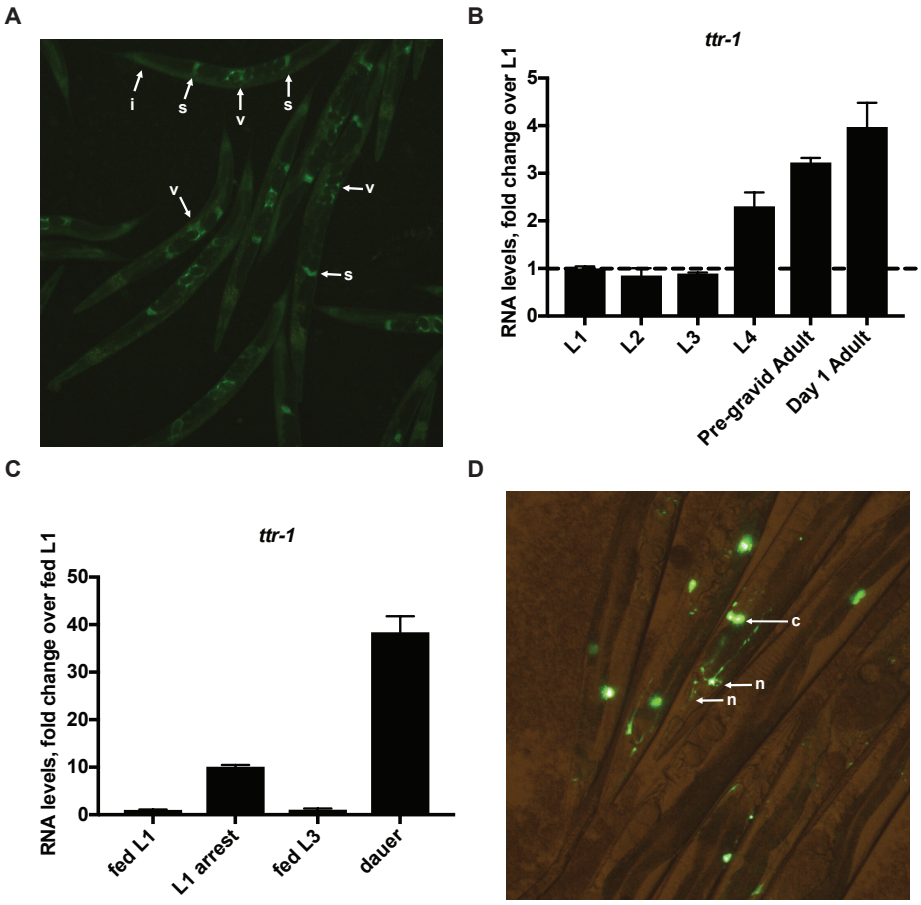

Figure 6. Expression pattern of *ttr-1.* (A) A translational reporter driven by over 3kb upstream of *ttr-1* localizes to the spermatheca (s), vulva (v), and intestine (i). (B) *ttr-1* transcript levels during developmental stages and adulthood in wild type worms. RNA levels are normalized to L1 worms. (C) *ttr-1* transcript levels during L1 arrest and dauer arrest. L1 arrest RNA levels and dauer RNA levels are normalized to fed L1 and fed L3 levels, respectively. (D) Expression pattern of a transcriptional reporter of *ttr-1,* driven by the same promoter region as the translational reporter in (A).

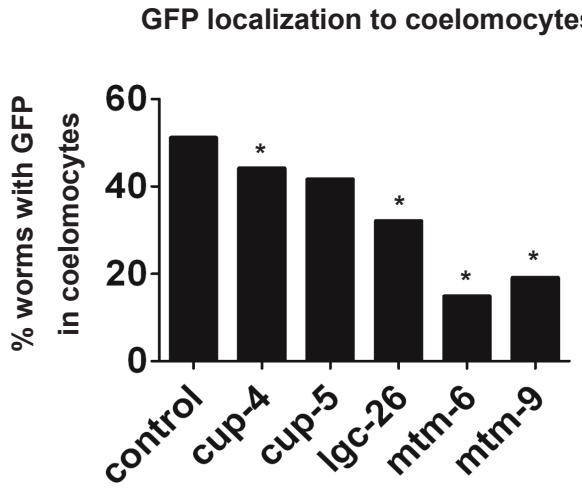

Figure 7. Disruption of coelomocyte endocytosis reduces TTR-1::GFP localization to coelomocytes. Percentage of *ttr-1::gfp* worms with GFP visible in coelomocytes. Worms were treated with *cdc-25.1* RNAi during development to prevent germline proliferation, simplifying visualization of coelomocytes, and then exposed to RNAi against coelomocyte endocytosis genes for 2 days at 25°C. Shown is one experiment; asterisks indicate samples for which similar trends were observed in a second experiment.

ttr-1 dependent gene expression

To examine the transcriptional response to loss or overexpression of *ttr-1,* we performed RNA-seq on wild type, *ttr-1(ok2250),* and *ttr-1::gfp* worms. We also included *ttr-1;daf-16* worms to identify *daf-16*-dependent gene expression. 1703 genes were upregulated and 2156 genes were downregulated in *ttr-1* mutants compared to wild type, while 1356 genes were upregulated and 1683 genes were downregulated in *ttr-1::gfp* worms compared to wild type (Table S2A-D). The most significant GO terms for genes upregulated in *ttr-1* mutants were processes like organismal development, reproduction, and cell cycle. For genes downregulated in *ttr-1* mutants, the most significant GO terms were regulation of cell shape and phosphorylation/dephosphorylation processes. For genes upregulated in *ttr-1::gfp* overexpressors, reproductive and developmental processes were also among the most significant GO terms, similar to those for genes upregulated in *ttr-1* mutants. However, various metabolic processes (small molecule, carboxylic acid, organic acid, phosphorus, etc) and the oxidation-reduction process were among the most significant GO terms for genes downregulated in *ttr-1::gfp* overexpressors (Table S3).

505 genes were designated *daf-16*-dependent, as they were downregulated in *ttr-1;daf-16* worms compared to *ttr-1* worms (Table S2E). The most significant GO terms associated with these genes were regulation of cell shape and protein dephosphorylation processes (Table S3).

Interestingly, by comparing our RNA-seq data to published datasets, we found that over half of the genes downregulated in *ttr-1* mutants were also upregulated in *eat-2* mutants (Table S4). GO analysis revealed general terms such as protein phosphorylation and dephosphorylation among the overlapping genes (Table S5).

Role of *ttr-1* in dietary restriction

Because of the observed overlap between *ttr-1*- and *eat-2*-regulated genes, and because *ttr-1* is induced during nutrient-deprived developmental stages, we examined a role for *ttr-1* in dietary restriction-mediated longevity. Mutation of *ttr-1* could completely abolish the lifespan extension of *eat-2* mutants, which exhibit slow pharyngeal pumping and represent a genetic model of dietary restriction (Figure 8a). This effect is not a result of altered pharyngeal pumping in *ttr-1;eat-2* mutants, which pump at a rate similar to *eat-2* mutants (Figure 8b).

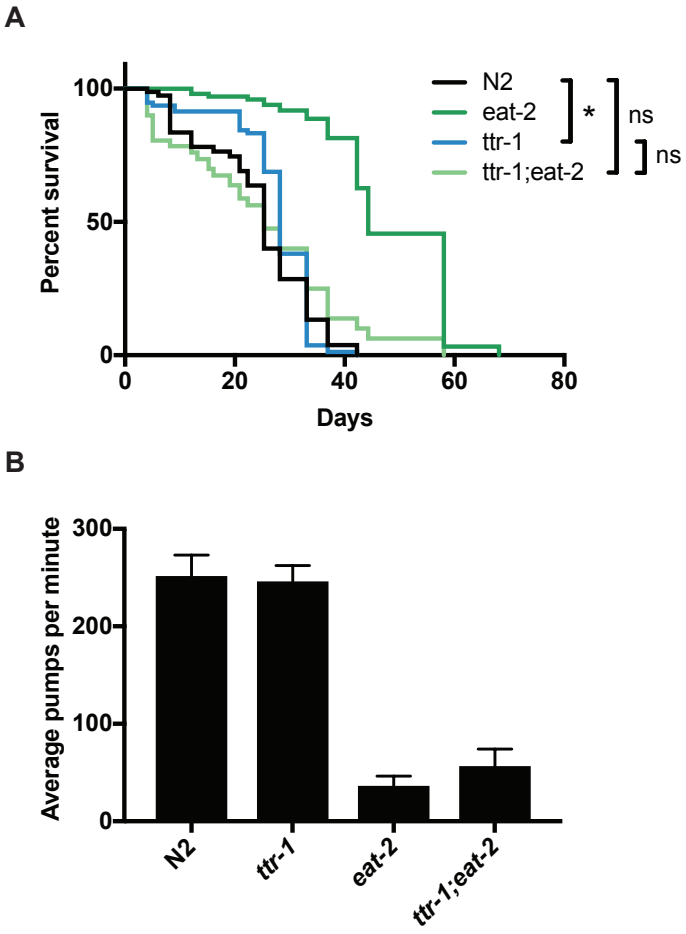

Figure 8. Lifespan and pharyngeal pumping rate of *ttr-1;eat-2* double mutants. (A) Loss of *ttr-1* abolishes lifespan extension of *eat-2* mutants. Worms were raised on live OP50 bacteria until day 1 of adulthood, then transferred to dead OP50. N = 99-122 worms per group, *P<0.01, ns = not significant. See also Table S1. (B) *ttr-1* does not affect pharyngeal pumping rate. Shown are averages ± SD. N = 9-10 worms per group.

eat-2 disruption is thought to extend lifespan primarily through the conserved nutrient sensor target-of-rapamycin (TOR) complex and the FoxA transcription factor PHA-4. We

examined the lifespan of *eat-2* mutants treated with RNAi against the *C. elegans* homolog of the TOR gene, *let-363,* as well as against members of TORC1 and TORC2. We found that loss of *ttr-1* and *let-363* contribute additively to lifespan, indicating that *ttr-1* acts either upstream of or in parallel to *let-363* (Figure 9a). Knockdown of *raga-1* revealed a similar trend (Figure 9b). Knockdown of the TORC2-specific components *rict-1* and *sinh-1* extended lifespan in wildtype worms, but failed to further extend the lifespan of *ttr-1* mutants (Figure 9c-d), suggesting that *ttr-1* and TORC2 function in the same genetic pathway. We also examined the lifespan *ttr-1;pha-4* double mutants and found that *ttr-1* extended lifespan independently of *pha-4* (Figure 10).

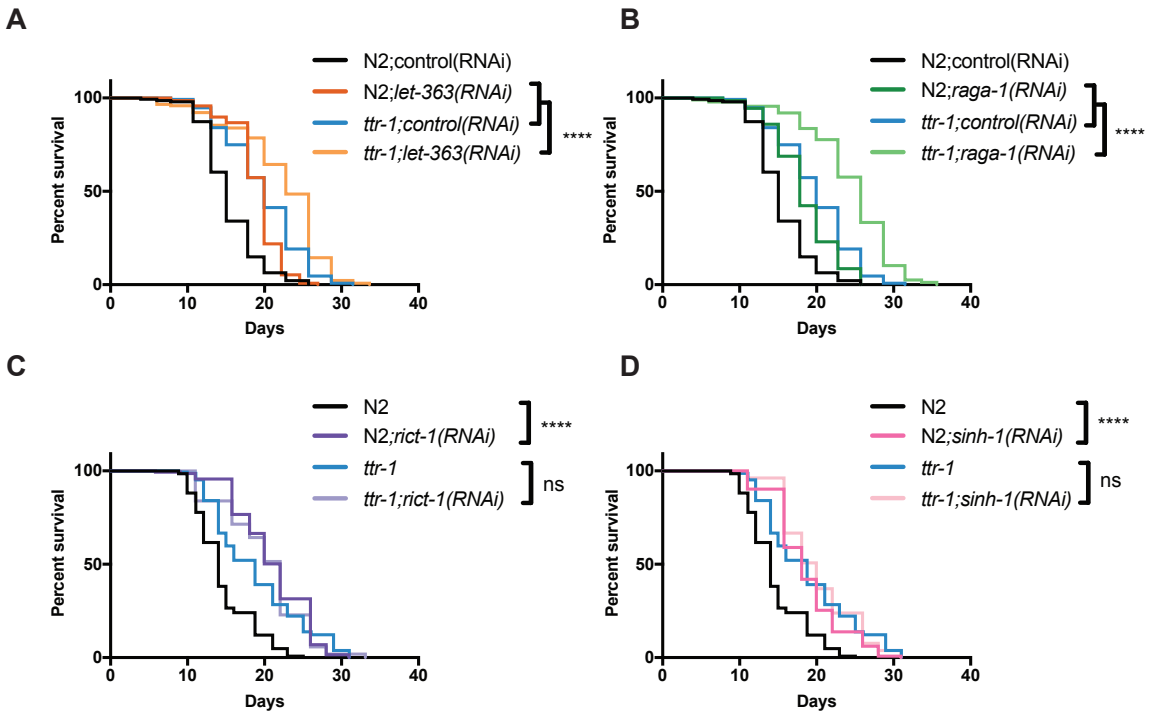

Figure 9. Effect of RNAi against TOR complex subunits on wild type and *ttr-1* mutant lifespan. Survival curves of wild type and *ttr-1* mutants exposed to (A) *let-363*, (B) *raga-1,* (C) *rict-1,* and (D) *sinh-1* RNAi. Knockdown of *let-363* and *raga-1* was initiated from day 1 of adulthood to avoid developmental arrest; worms were on *rict-1* and *sinh-1* RNAi from egg. N = 94-149 worms per group, ****P<0.0001, ns = not significant.

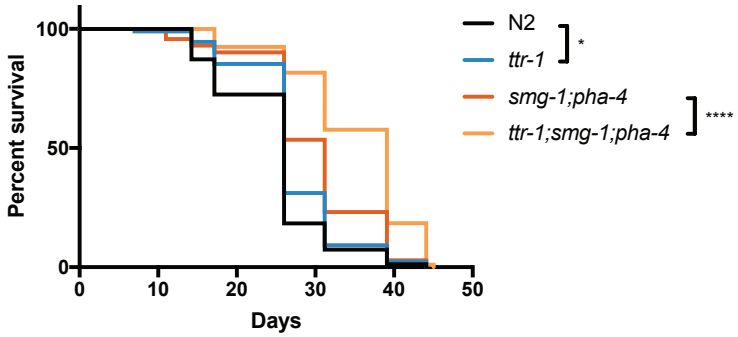

Figure 10. *ttr-1* extends lifespan independently of *pha-4.* Survival curves of indicated strains grown at 25°C from egg until day 1 of adulthood to allow expression of *pha-4,* and then shifted to 15°C to inactivate *pha-4.* N = 71-98 worms per group, *P<0.03, ****P<0.0001. See also Table S1.

In order to see whether loss of *ttr-1* alters lifespan in response to other forms of dietary restriction, we performed a solid dietary restriction (sDR) experiment on wild type, *ttr-1,* and *aak-2* worms. sDR involves plating serial dilutions of food bacteria onto NGM plates and measuring lifespan. Lifespan extension resulting from sDR depends on the AMP-activated protein kinase AMPK/AAK-2, as well as DAF-16. While the lifespan of wild type worms peaks at a particular concentration (lower than ad libitum), *aak-2* mutant lifespan is similar across all bacterial feeding concentrations. We found that *ttr-1* mutants responded to differing bacterial concentrations in a different manner than wild type. In two independent experiments, wild type worms generally lived longer the less food was available, whereas *ttr-1* mutants showed a less dramatic difference in lifespan across bacterial concentrations. In addition, in both experiments, *ttr-1* mutants had a greater median lifespan than wild type worms at all concentrations except one intermediate concentration (Figure 11). Overall, *ttr-1* mutants did respond differently to sDR than wild type worms did, indicating that *ttr-1* plays a role in the worm's physiological response to food abundance.

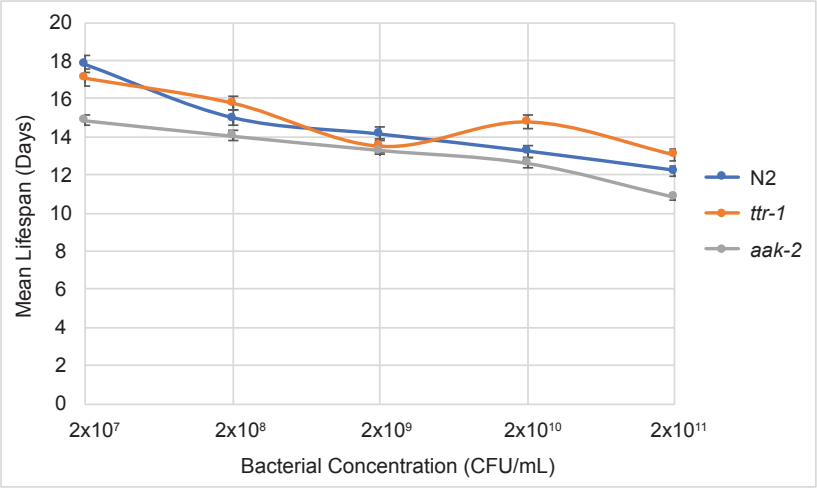

Figure 11. *ttr-1* mutant response to different bacterial concentrations under sDR (solid dietary restriction). Mean lifespan of N2, *ttr-1,* and *aak-2* mutants fed on a serial dilution of bacteria on plates ($2x10^{11}$ to $2x10^{7}$ CFU/mL). Error bars, SEM. Shown are representative results of two independent experiments.

Because both *ttr-1* mutants and sDR share one genetic mediator, *daf-16,* we examined whether *ttr-1* lifespan extension might also depend on *aak-2.* While *ttr-1;aak-2* mutants lived significantly longer than *aak-2* mutants, the lifespan extension was drastically reduced compared to *ttr-1* disruption in a wildtype background (Figure 12). This suggests that *ttr-1* lifespan extension depends on *aak-2.*

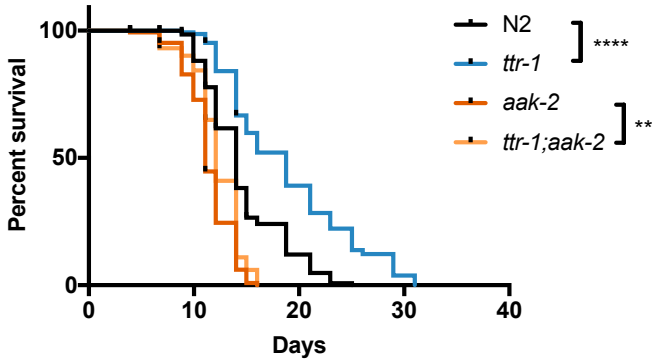

Figure 12. *ttr-1* lifespan extension depends on *aak-2*. Survival curves of indicated strains fed HT115 empty vector bacteria. N = 147-153 worms per group, ****P<0.0001, **P<0.01. See also Table S1.

ttr-1 lifespan extension requires mitochondrial components

eat-2 and *clk-1* were proposed to extend lifespan via similar mechanisms, so we tested whether *ttr-1* and *clk-1* act in the same pathway. We found that loss of *ttr-1* could not extend lifespan in *clk-1* mutants, suggesting that the two extend lifespan via similar mechanisms (Figure 13a). We obtained similar results using *ttr-1;isp-1* double mutants (Figure 13b), implicating mitochondrial metabolism or function in *ttr-1* longevity.

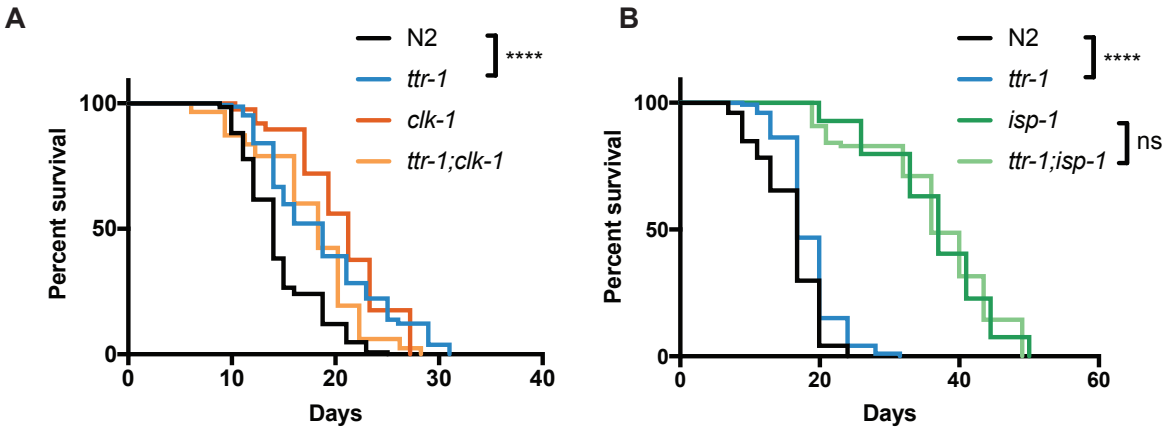

Figure 13. Effect of disruption of mitochondrial components on *ttr-1* lifespan. Survival curves of indicated strains fed HT115 empty vector bacteria. N=76-125 worms per group, ****P<0.0001, ns = not significant. See also Table S1.

Discussion

Several lines of evidence suggest that *ttr-1* may play a role in relaying nutrient status to the worm. *ttr-1* modulates DAF-16, is induced in nutrient-deprived states (L1 and dauer), regulates a shared set of genes with *eat-2,* and abolishes the lifespan extension of *eat-2* mutants. Furthermore, *ttr-1* mutant lifespan extension depends on *aak-2* and mitochondrial function. Finally, *ttr-1* mutant lifespan responds to food abundance in a different manner than wild type lifespan does.

A recent paper demonstrated that active AAK-2 in neurons could signal the intestine to remodel mitochondrial metabolism. This remodeling required the nuclear hormone receptor NHR-49, as well as DAF-16. The authors further showed involvement of octopamine signaling in the neurons; however, the fact that mitochondrial metabolism remodeling depended on NHR-49 suggests that a lipophilic hormone may be involved in the response (Burkewitz et al., 2015). Similarly, another study showed that octopamine and serotonin could promote release of an unidentified endocrine signal to drive lipid oxidation via NHR-76 (Noble et al., 2013). We observed expression of a *ttr-1* transcriptional reporter in neurons and coelomocytes, and a *ttr-1* translational reporter in the intestine, spermatheca, and vulva; this expression pattern, together with evidence suggesting that *ttr-1* is secreted, makes it tempting to speculate that *ttr-1* could carry a lipophilic endocrine signal linking neurotransmitter signaling with nuclear hormone activation and metabolic remodeling in distal tissues.

Our results also suggested that TORC2 acts in the same pathway as *ttr-1.* mTORC2 (mammalian TORC2) has been found to localize to mitochondrial-associated membranes (MAMs) of the endoplasmic reticulum (ER) (Betz and Hall, 2013; Betz et al., 2013). At the MAM, mTORC2 also associates with VDAC, an exit channel for mitochondrial ATP, as well as AKT, one of its phosphorylation substrates (Betz and Hall, 2013; Giorgi et al., 2010; Ramanathan and Schreiber, 2009). This, together with our results, suggests that TORC2 and AMPK could function in a signaling pathway with TTR-1 to affect DAF-16, possibly by sensing mitochondrial metabolism. Further work should focus on identifying the tissues in which *ttr-1* functions, and the tissue requirements of *ttr-1* interactions with TORC2 and AAK-2.

Materials and Methods

C. elegans strains and RNAi-mediated knock-down

All *C. elegans* mutants were acquired from the *Caenorhabditis* Genetic Center. Strains obtained for this study include: N2 wildtype, VC1791 (*ttr-1(ok2250)*), TJ356 (zIs356 [*Pdaf-16::daf-16a/b::gfp* + *rol-6(su1006*)]), DA1116 (*eat-2(ad1116)*), MQ887 (*isp-1(qm150)*), MQ130 (*clk-1(qm30)*), SM190 (*smg-1(cc546);pha-4(zu225)*), RB754 (*aak-2(ok524)*). New strains created by mating include: SH295 (*ttr-1(ok2250);Pdaf-16::daf-16a/b::gfp*), *ttr-1;eat-2, ttr-1;isp-1, ttr-1;clk-1*, *ttr-1;smg-1;pha-4*, *ttr-1;aak-2.*

RNAi by feeding was performed as previously described (Kamath et al., 2003), using bacterial clones from the Ahringer library. L4440 empty vector RNAi served as control RNAi.

Lifespan analysis

Worm were synchronized by bleaching and separated into 3-5 replicate plates as day 1 adults. Adults were transferred away from progeny to new plates every day through their reproductive period. Worms that crawled off the plate, exploded through the vulva, or bagged were censored. FUDR was not used in any of the lifespan experiments. Lifespans were performed at 20°C unless otherwise mentioned. Data was analyzed using Prism 7 and JMP 13, and p-values were calculated using the log-rank test unless otherwise indicated.

Solid Dietary Restriction (sDR) lifespan

sDR plates were prepared as described (Greer et al., 2007). An overnight OP50 culture grown to saturation to 2 x 10^9 CFU/mL was pelleted and resuspended in S-medium to concentrate 100X, and subsequently serially diluted in S-medium from 2 x 10^{11} CFU/mL to 2 x 10^7 CFU/mL. 150µL of each dilution was seeded onto quintuplicate 35mm NGM + 300µg/mL streptomycin plates on the day of transfer. 20-30 worms were placed on dilutions starting on day 7 of life (day 4 of adulthood), and worms were transferred to new plates every other day.

Brood size

10 L4 worms of each strain were singled onto 35mm NGM plates seeded with OP50. Worms were moved to a fresh plate every day through their reproductive period. Hatched progeny was counted to assess brood size. Worms were grown at 20°C continuously. Data were analyzed in Prism 7 using an unpaired t-test.

Imaging and quantification of DAF-16::GFP expression and nuclear localization

Worms were paralyzed in a 4µL drop of 25mM levamisole (Sigma, St. Louis, MO, USA) on an empty NGM plate. Images were acquired on a Leica MZ16F stereoscope equipped with a MicroPublisher 5.0 RTV color camera (QImaging, BC, Canada). Identical camera settings were used for control and experimental samples. Protein levels of DAF-16 were determined by quantifying background-subtracted average fluorescence using ImageJ software (National Institutes of Health, Bethesda, Maryland, USA). DAF-16 nuclear localization was quantified in day 1 DAF-16::GFP transgenic adults as the percentage of worms showing intestinal nuclear localization.

Construction of *ttr-1* transcriptional and translational reporter strains

GFP reporters were constructed using recombinant PCR (Boulin et al., 2006). Regions to be fused with GFP were amplified using “A” and “B” primers (see below for primers), GFP

was amplified from pPD95.75 with “C” and “D” primers(Boulin et al., 2006), and the two PCR products were fused by PCR using “A” and “D” primers, or in the case of *ttr-1::gfp,* “A*” and “D*” nested primers. PCR product was injected into N2 worms along with bluescript DNA and rol-6 plasmid to form extrachromosomal arrays (concentrations of DNA injected, be more detailed). For *ttr-1::gfp,* arrays were integrated by UV and outcrossed to N2 worms 6 times. For UV integration, 80 late L4s/young adults on an NGM + 300µg streptomycin plate seeded with OP50 were irradiated in a Stratalinker UV Crosslinker (Stratagene) at 300 J/m^2 with the lid of the plate removed. Irradiated P0s were allowed to lay eggs overnight at 20°C. The following day, live P0s were transferred to a new food plate to continue laying eggs (about half the P0s die as a result of irradiation). 3 days later, 500-600 adult F1s were singled to individual food plates. 3 days later, plates were screened for candidates where at least 75% of the F2s were rollers. 8-10 F2s from each candidate plate were singled to individual plates, and a line showing 100% rollers was isolated.

Primers for SH293(P_{ttr-1}*::gfp*) extrachromosomal transcriptional reporter:
A: 5’-CCGAAAATCTCGGTTGCCGCACAG-3’
B: 5'-AGTCGACCTGCAGGCATGCAAGCTCTCCAAATAAACTTACTTTTTGAGC-3'

Primers for the SH294(P_{ttr-1}*::ttr-1::gfp*) integrated translational reporter:
A: 5’-CCGAAAATCTCGGTTGCCGCACAG-3’
A*: 5’- AGATTTAATCAAAATGCCACCCTC-3’
B: 5’-AGTCGACCTGCAGGCATGCAAGCTAGAGGTCTGTGTCAGGTTTCGATA-3’

RNA-seq analysis

Three independent populations each of N2, *ttr-1(ok2250), ttr-1::gfp,* and *ttr-1;daf-16* worms were synchronized by egg prep and grown on NGM + 300 µg/mL streptomycin plates seeded with OP50 bacteria. 300-400 adult pre-gravid worms were harvested in Trizol (Invitrogen) and flash frozen in liquid nitrogen. RNA was extracted as for qRT-PCR (see below in Methods). Sequencing libraries were prepared from total RNA using the Illumina TruSeq RNA Library Kit v2 (RS-122-2001), in which mRNA is isolated from total RNA by polyA selection and then random hexamer primers are used for cDNA construction. Samples were sequenced at the UC Davis DNA Technologies Core on a HiSeq3000, generating 100 base-pair paired-end reads. Adapter sequences were removed by the UC Davis DNA Technologies Core. All fastq files were confirmed to have good quality (score of 28 or above) per-base sequencing quality using FastQC (https://www.bioinformatics.babraham.ac.uk/projects/fastqc/). Reads were aligned using Tophat version 2.0.9 and count data was generated using HTSeq 0.6.0. Differentially expressed transcripts were detected using DESeq with a Benjamini-Hochberg-corrected p-value cutoff of 0.05. Gene ontology enrichment was assessed using Go Term Finder (http://go.princeton.edu/cgi-bin/GOTermFinder).

RNA extraction and qRT-PCR

RNA was extracted from 100-200 worms per group using Trizol (Invitrogen). Gene-specific threshold cycle (Ct) values were normalized to the respective actin values for each sample, and are presented as fold change over the control group indicated in each figure.

PCR primers (60°C annealing temperature):

pan-actin forward	5'-TCGGTATGGGACAGAAGGAC-3'
pan-actin reverse	5'-CATCCCAGTTGGTGACGATA-3'
ttr-1 forward	5'-CTGACTCGGCTGGATTCTTT-3'
ttr-1 reverse	5'-TGGAATGTCGACACGGAGT-3'
daf-16 forward	5'-GAAATCCAATTGTGCCAAGC-3'
daf-16 reverse	5'-AATTCCAGGCAGTGGAGATG-3'
sod-3 forward	5'-GCAATCTACTGCTCGCACTG-3'
sod-3 reverse	5'-TGCATGATTTCATGGCTGAT-3'

Pumping rate

9-10 worms of each strain were singled onto NGM plates seeded with OP50 as L4s and maintained at 20°C. The following day, gravid day 1 adults were filmed for 1 minute using an iPhone mounted to a dissecting microscope. Individual plates were maintained at 20°C up until they were ready to be filmed. Videos were slowed down 2x using Apple iMovie, and pharyngeal pumps were counted manually for calculating average pumps per minute.

Chapter 3: A screen to identify genes that modulate DAF-16 levels downstream of *ttr-1*

We previously showed that *ttr-1* increases DAF-16 levels, with functional consequences on longevity (see Chapter 2). In order to examine how *ttr-1* might affect DAF-16 levels, we performed a forward genetic screen to identify suppressors of the increased DAF-16 levels observed in a *ttr-1* mutant background. We identified several candidate suppressors. Mapping by sequencing revealed that several of the sequenced suppressors contained mutations in genes that affect expression of transgenes. However, three unique candidate suppressors were identified, and provide a promising starting point for further studies examining how *ttr-1* affects DAF-16 levels.

Results/Discussion

Identification of ttr-1 suppressors showing reduced DAF-16 protein levels

We previously showed that *ttr-1* disruption leads to increased levels of DAF-16::GFP (see Chapter 2, Figure 3). *daf-16* transcript levels are not significantly increased, suggesting that the observed increase in DAF-16 may be because of increased translation or decreased degradation (see Chapter 2, Figure 3). Furthermore, *daf-16* is required for the extended lifespan of *ttr-1* mutants, as disruption of *daf-16* in *ttr-1* mutants results in wildtype lifespan (see Chapter 2, Figure 4). To identify suppressors of the increased DAF-16 levels in *ttr-1* mutants, which potentially link *ttr-1* and DAF-16, we performed an EMS mutagenesis screen on SH295 (*ttr-1(ok2250);Pdaf-16::daf-16a/b::gfp*) worms. We screened about 17,000 haploid genomes and identified about 100 candidates, which we designated *dhb* alleles, showing wildtype levels of DAF-16::GFP or lower. Examples of the identified suppressor candidates are shown in Figure 1. Some, such as *dhb20* and *dhb35*, showed decrease intestinal DAF-16::GFP, but maintained high GFP around the edges of the worm, perhaps in the hypodermis or muscle. Others, such as *dhb17*, *dhb33*, and *dhb46*, had a fairly even decrease in GFP across the entire worm. *dhb44* and *dhb68* had decreased DAF-16::GFP in most of the intestine, but GFP remained high in the posterior intestine. We chose a selection of candidates that varied in the degree and pattern of decreased DAF-16::GFP for mapping by sequencing. Candidates to be sequenced were first backcrossed to SH295 to determine dominance of the mutation (by observing F1s) and whether the phenotype was likely caused by just one mutation (by observing whether approximately 25% of the F2s had low DAF-16::GFP levels).

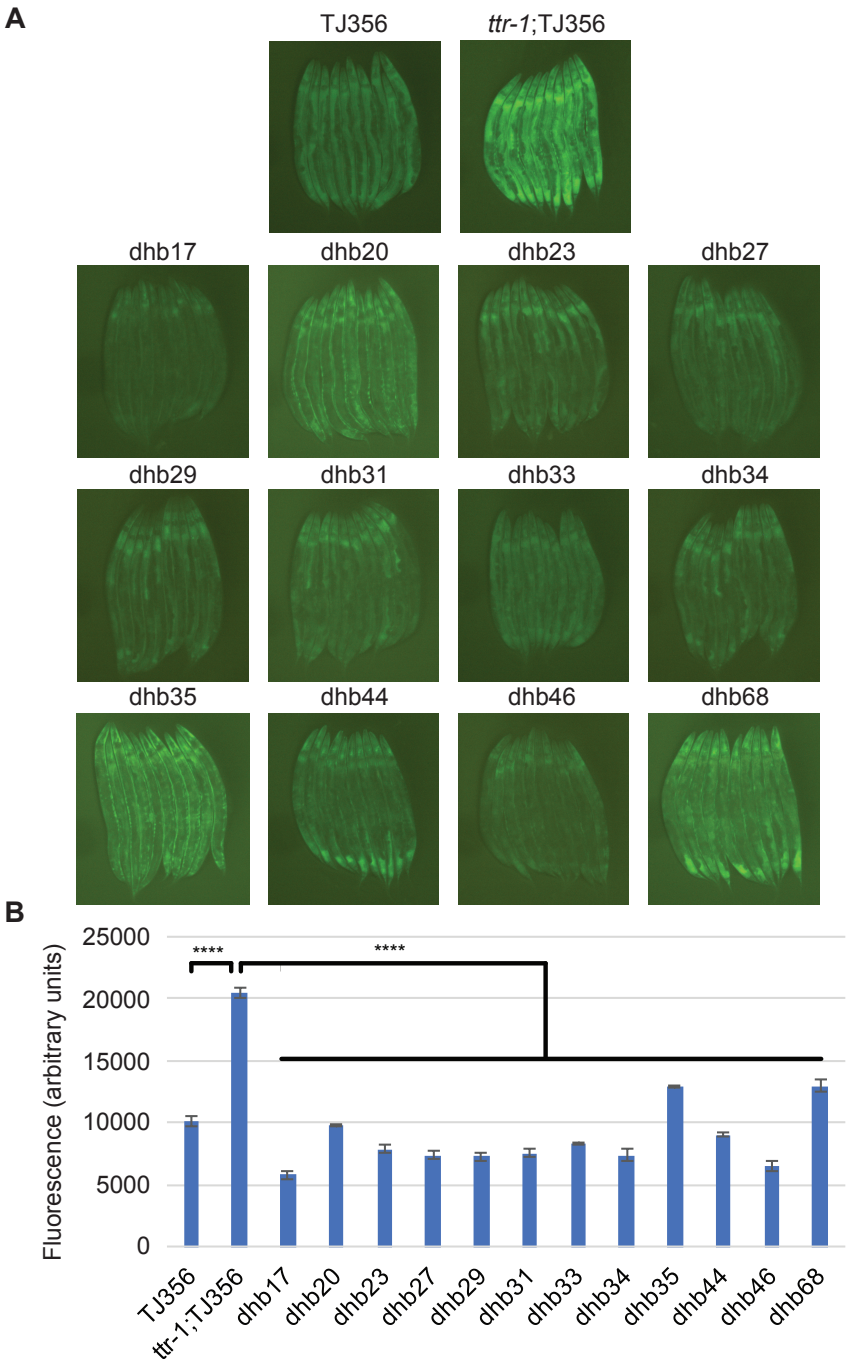

Figure 1. Suppressors of the increased DAF-16 levels in SH295 worms. (A) Representative images and (B) quantification of fluorescence. Shown are mean ± SD, N=30 day 1 adult worms per strain, ****P<0.0001, unpaired t-test.

Mapping by sequencing

We used a previously described next generation sequencing approach, termed Hawaiian Variant Mapping, to map the mutations generated by EMS (Doitsidou et al., 2016; Minevich et al., 2012) (see also Methods). Like traditional SNP mapping, this approach takes advantage of known SNPs to assess linkage to the causal mutation. Briefly, candidate strains are crossed to CB4856 Hawaiian worms, the F1s are allowed to self, and then 20-50 homozygous mutant F2s are singled. The F2s are allowed to reproduce until food is depleted on the plates, and the 20-50 populations of F3s/F4s are pooled and sequenced. Linkage is assessed by plotting Hawaiian alleles over total reads (Hawaiian + Bristol) to observe areas of pure Bristol alleles. For the screen described in this chapter, candidates were crossed to a "Hawaiianized" mapping strain so that homozygous mutant F2s could be identified by their low-GFP phenotype. (For details on the construction of the mapping strain, see Methods.)

Of 12 mapped candidates, 7 mapped to chromosome V, 4 mapped to chromosome I, and 1 did not map to any chromosome—that is, there was no chromosomal position at which Hawaiian alleles decreased to zero or almost zero on the mapping plots.

6 out of 7 strains that mapped to chromosome V—*dhb17, dhb23, dhb31, dhb27, dhb29,* and *dhb46*—had various different missense mutations in *tam-1* (Figures 2, 3, 4, 5)*. tam-1* has previously been shown to play a role in promoting expression of multicopy transgenes (Hsieh et al., 1999; Van Rompay et al., 2015). To identify the causal mutation in each *dhb* strain, we injected fosmids containing wildtype alleles of the candidate genes and looked for a return to the SH295 phenotype (high DAF-16::GFP). Wildtype copies of *tam-1* were able to rescue the phenotype in *dhb17, dhb23, dhb31, dhb27, dhb29,* and *dhb46* (Figure 7a,b). In addition, 2 strains that mapped to chromosome I, *dhb44* and *dhb68*, had a mutation in *adr-1,* which is required to prevent silencing of transgenes in somatic tissues (Knight and Bass, 2002) (Figure 6). A fosmid containing a wildtype copy of *adr-1* was able to rescue the phenotype in *dhb44* and *dhb68* (Figure 7c,d). Altogether, 8 of the 12 mapped strains had mutations in genes that have been previously shown to affect expression of transgenes. Based on the described roles of *tam-1* and *adr-1*, they are unlikely to specifically affect DAF-16 levels downstream of *ttr-1.*

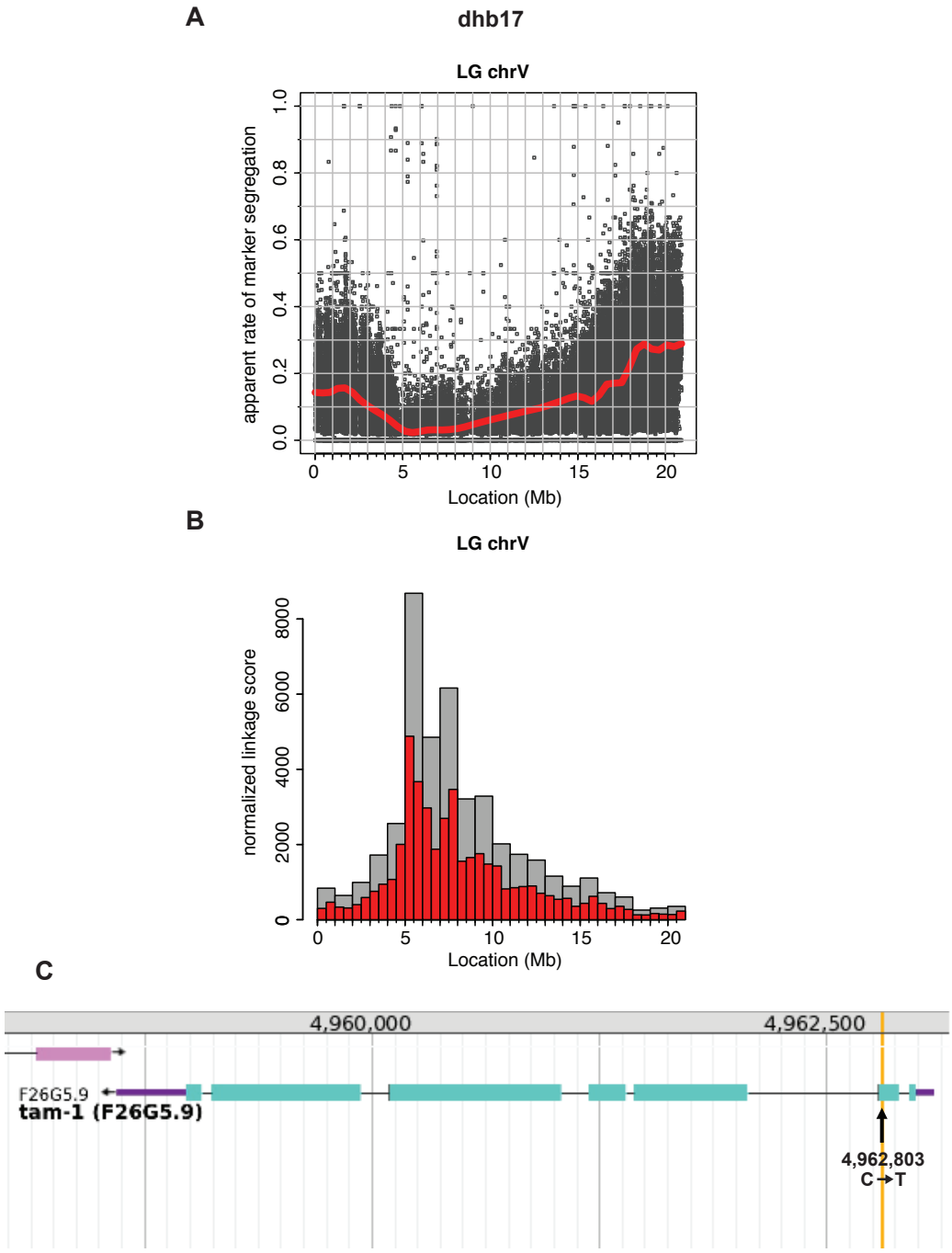

Figure 2. Mapping plots and mapped mutation in *dhb17*. (A) Apparent rate of marker segregation, plotted as the ratio of Hawaiian alleles over total reads at each of the Hawaiianized mapping strain SNPs in the chromosome. The red line is a LOESS regression line showing the trend in the scatter plot. (B) Frequency plot corresponding to the scatter plot in (A), showing where pure parental Bristol SH295 SNPs are concentrated. Grey bins are 1 Mb, red bins are 0.5 Mb. (C) Representation of the genomic position of the mutation and its location within the gene.

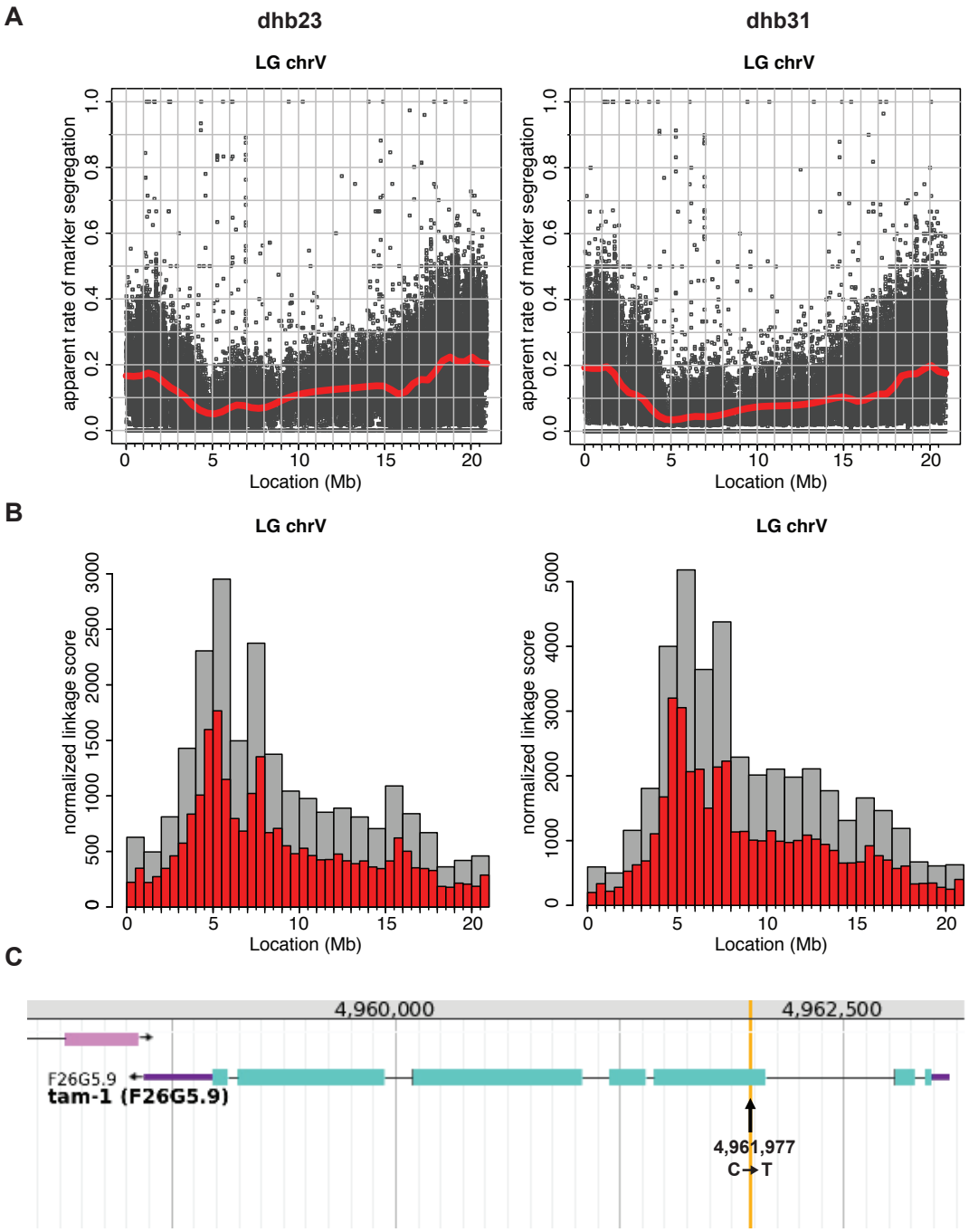

Figure 3. Mapping plots and mapped mutation in *dhb23* and *dhb31*. (A) Apparent rate of marker segregation, plotted as the ratio of Hawaiian alleles over total reads at each of the Hawaiianized mapping strain SNPs in the chromosome. The red line is a LOESS regression line showing the trend in the scatter plot. (B) Frequency plot corresponding to the scatter plot in (A), showing where pure parental Bristol SH295 SNPs are concentrated. Grey bins are 1 Mb, red bins are 0.5 Mb. (C) Representation of the genomic position of the mutation and its location within the gene.

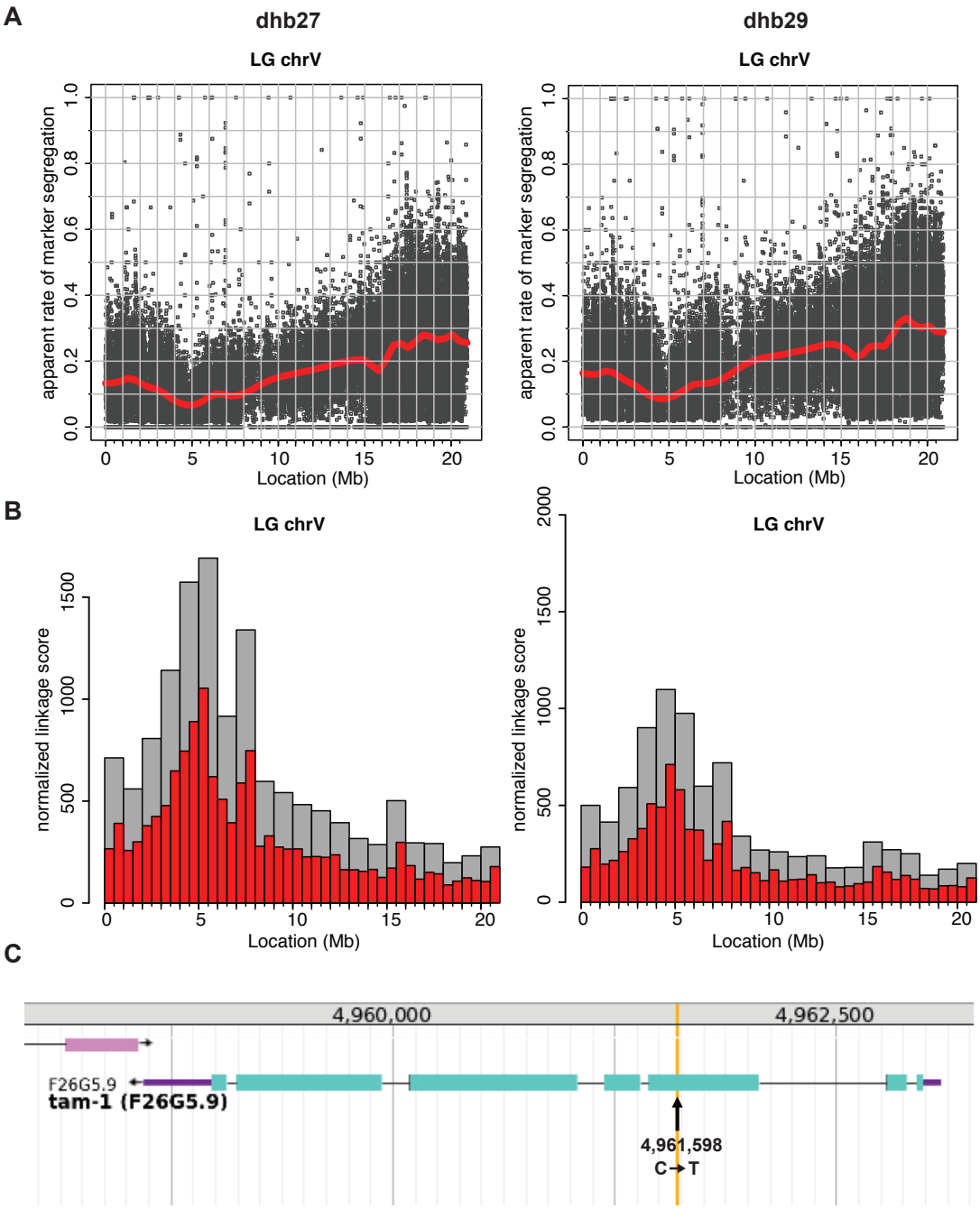

Figure 4. Mapping plots and mapped mutation in *dhb27* and *dhb29*. (A) Apparent rate of marker segregation, plotted as the ratio of Hawaiian alleles over total reads at each of the Hawaiianized mapping strain SNPs in the chromosome. The red line is a LOESS regression line showing the trend in the scatter plot. (B) Frequency plot corresponding to the scatter plot in (A), showing where pure parental Bristol SH295 SNPs are concentrated. Grey bins are 1 Mb, red bins are 0.5 Mb. (C) Representation of the genomic position of the mutation and its location within the gene.

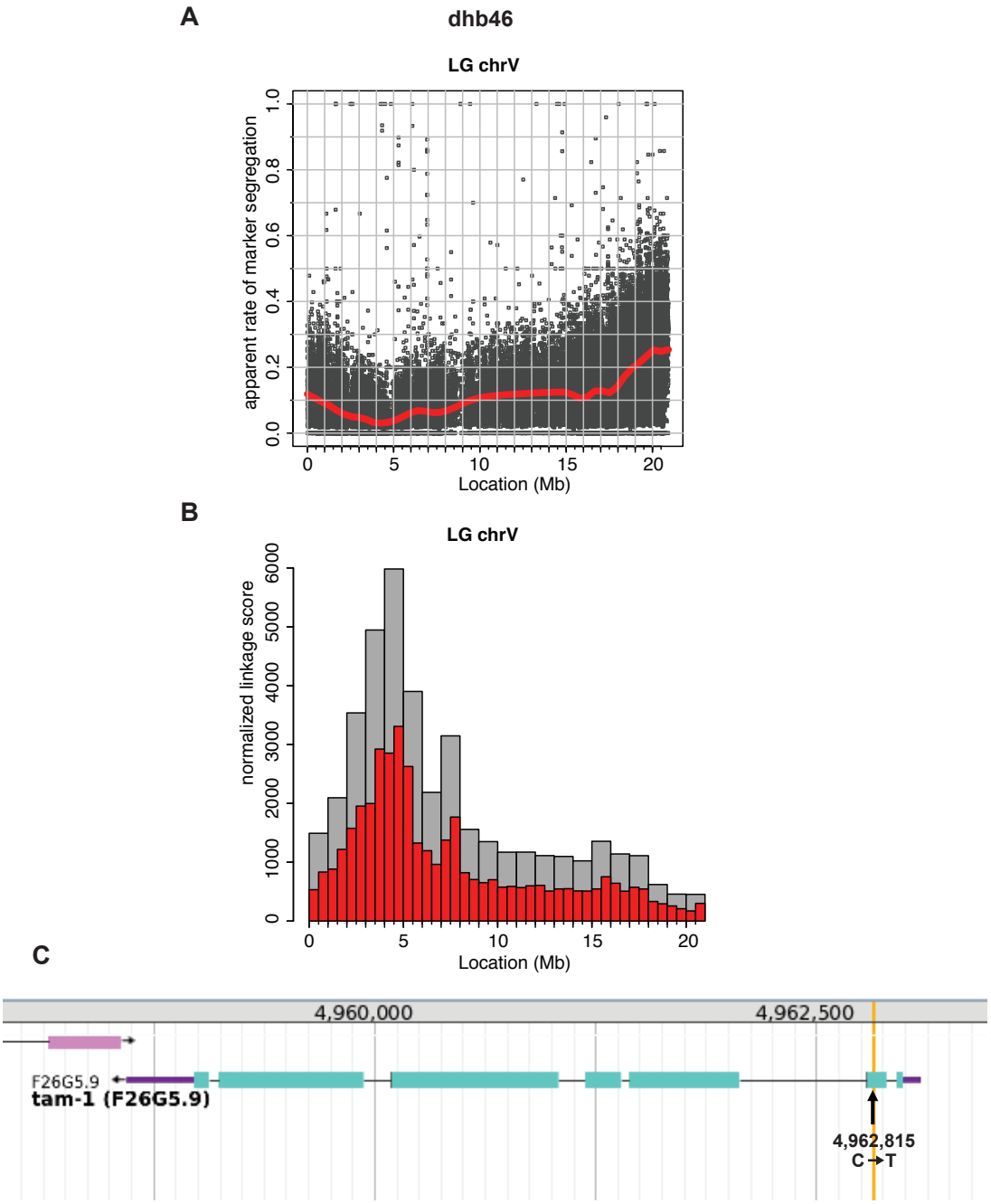

Figure 5. Mapping plots and mapped mutation in *dhb46*. (A) Apparent rate of marker segregation, plotted as the ratio of Hawaiian alleles over total reads at each of the Hawaiianized mapping strain SNPs in the chromosome. The red line is a LOESS regression line showing the trend in the scatter plot. (B) Frequency plot corresponding to the scatter plot in (A), showing where pure parental Bristol SH295 SNPs are concentrated. Grey bins are 1 Mb, red bins are 0.5 Mb. (C) Representation of the genomic position of the mutation and its location within the gene.

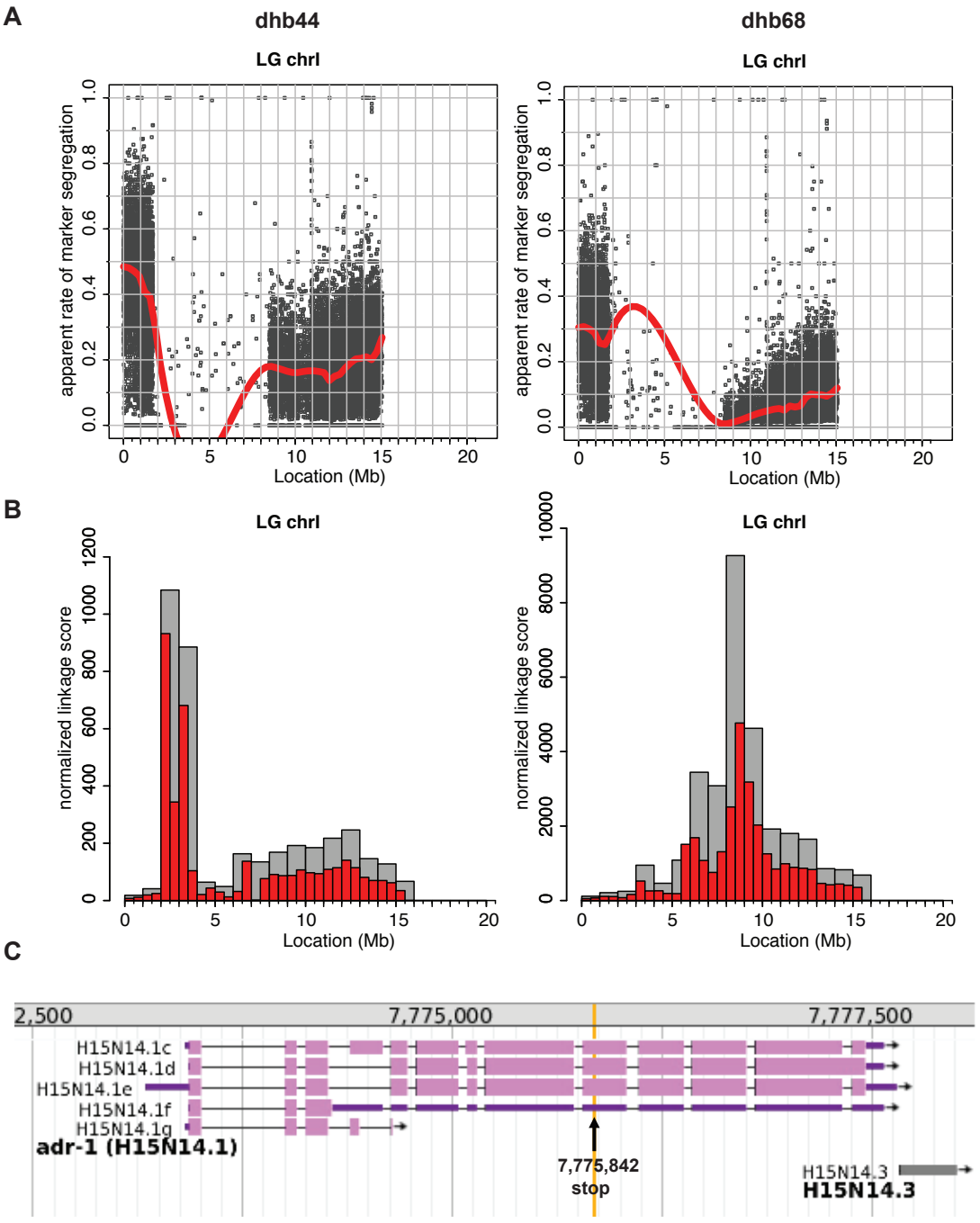

Figure 6. Mapping plots and mapped mutation in *dhb44* and *dhb68*. (A) Apparent rate of marker segregation, plotted as the ratio of Hawaiian alleles over total reads at each of the Hawaiianized mapping strain SNPs in the chromosome. The red line is a LOESS regression line showing the trend in the scatter plot. (B) Frequency plot corresponding to the scatter plot in (A), showing where pure parental Bristol SH295 SNPs are concentrated. Grey bins are 1 Mb, red bins are 0.5 Mb. (C) Representation of the genomic position of the mutation and its location within the gene.

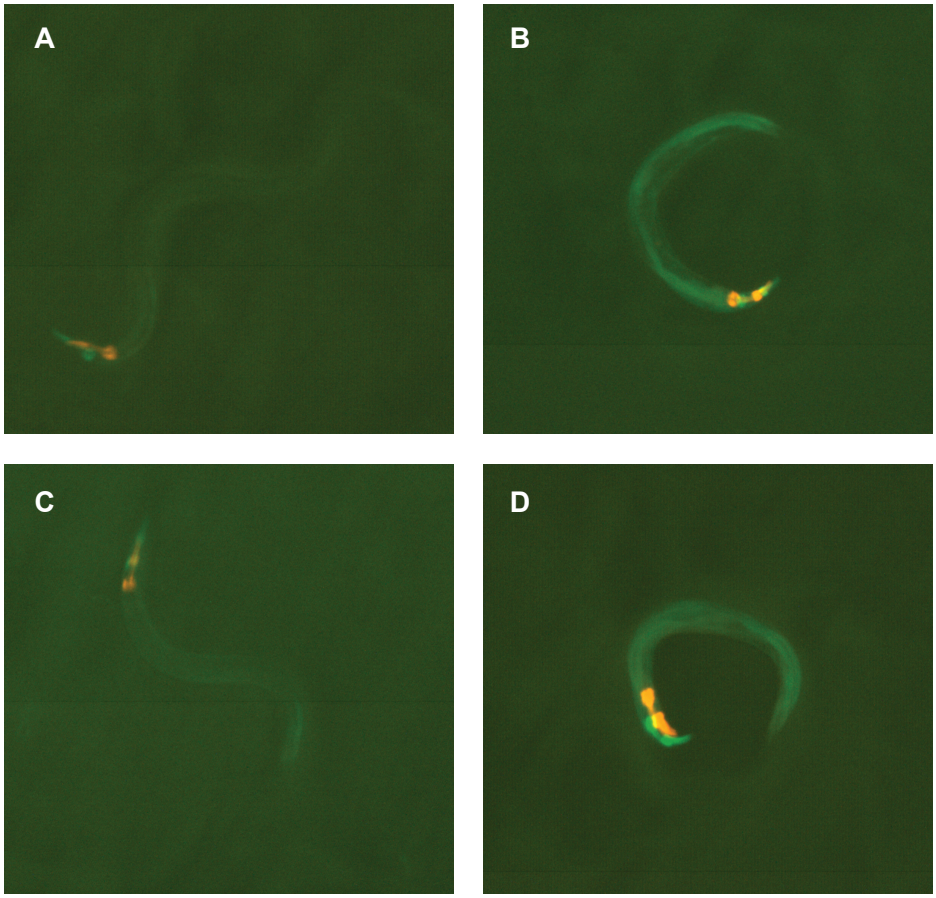

Figure 7. Rescue of SH295 phenotype in *dhb23* and *dhb44* by *tam-1* and *adr-1* fosmids. (A) and (B) show *dhb23* worms injected with a fosmid containing a wildtype *tam-1* allele, along with a P*myo-2::tdTomato* coinjection marker. The worm in (A) showed no rescue of the SH295 high-GFP phenotype, possibly because of lack of expression of the fosmid, but transgenic worms that did rescue the phenotype could be identified, as in (B). A similar rescue by *tam-1* was observed in *dhb17, dhb27, dhb29, dhb31,* and *dhb46.* (C) and (D) show *dhb44* worms injected with a fosmid containing a wildtype *adr-1* allele, along with a P*myo-2::tdTomato* coinjection marker, with (D) showing rescue of the SH295 phenotype. A similar rescue by *adr-1* was observed for *dhb68.* Worms were not anesthetized for these images.

Of the remaining 4 suppressors, 2 of them, *dhb20* and *dhb35,* mapped to very similar regions (Figure 8). Both contained some of the same mutations, suggesting that the two strains originated from the same parent (Table 1). In these two strains, four candidate mutations were identified on chromosome I. Two were missense mutations—a serine-to-leucine change in the coding region of D1081.7 and a histidine-to-tyrosine change in the coding region of *ztf-4.* It is unclear how a mutation in D1081.7 would affect DAF-16 levels, since its function is unknown and it has no human orthologs. *ztf-4* is an ortholog of human NCOA5 (nuclear receptor coactivator 5), and ZTF-4 physically interacts with the nuclear hormone receptor NHR-111 (Wormbase, Simonis et al., 2009). ZTF-4 may directly or indirectly regulate *daf-16* expression, possibly together with NHR-111.

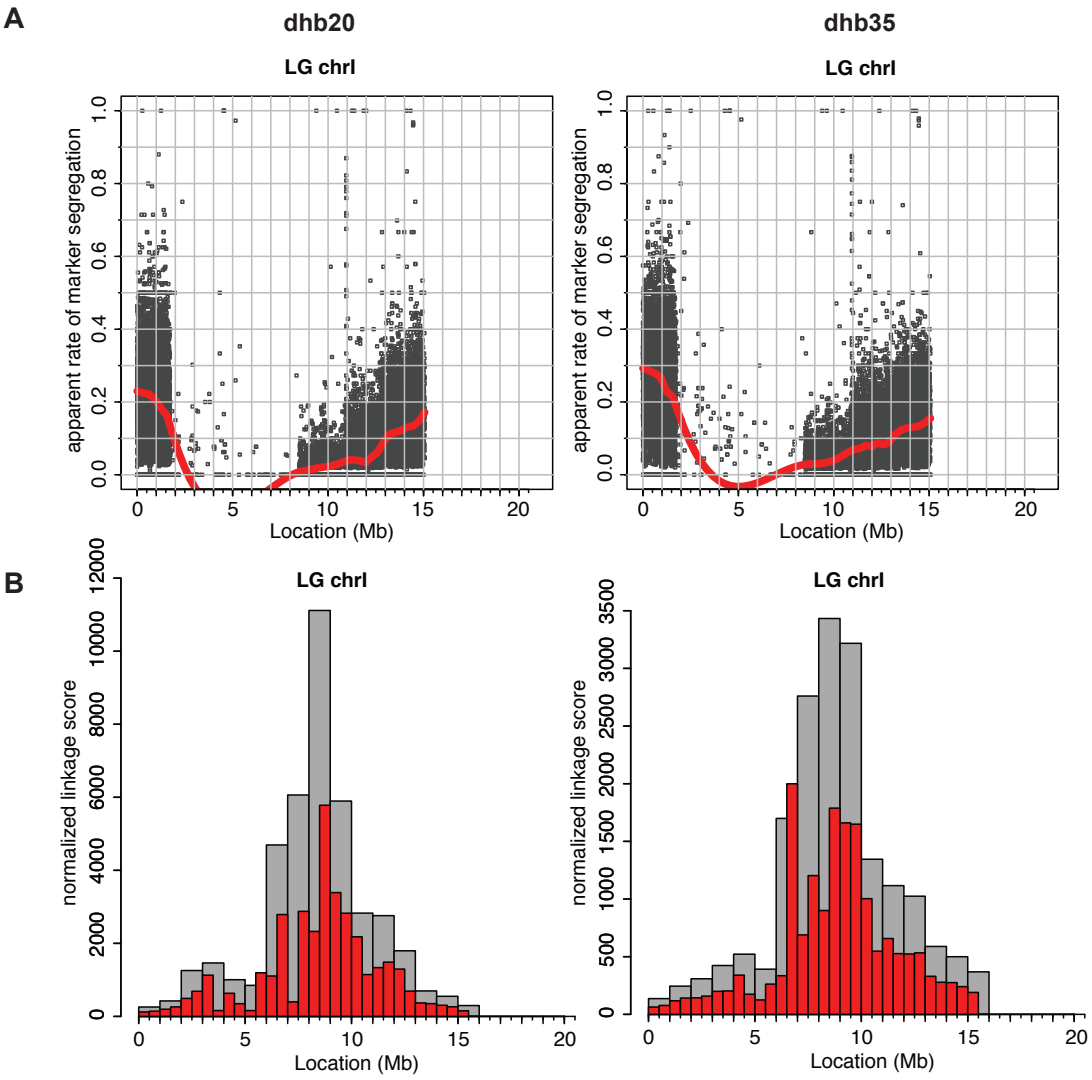

Figure 8. Mapping plots for *dhb20* and *dhb35.* (A) Apparent rate of marker segregation, plotted as the ratio of Hawaiian alleles over total reads at each of the Hawaiianized mapping strain SNPs in the chromosome. The red line is a LOESS regression line showing the trend in the scatter plot. (B) Frequency plot corresponding to the scatter plot in (A), showing where pure parental Bristol SH295 SNPs are concentrated. Grey bins are 1 Mb, red bins are 0.5 Mb.

Description	Linkage Group	Genomic Position	Nucleotide Change	Type of Mutation	Fosmid injected?
upstream of bli-4	chrI	6340659	C->T	INTERGENIC	yes
About 3.3kb upstream of klu-2	chrI	6395751	C->T	INTERGENIC	yes
ztf-4	chrI	6928000	C->T	MISSENSE	yes
D1081.7	chrI	8490252	C->T	MISSENSE	yes

Table 1. Candidate suppressor mutations in *dhb20* and *dhb35*.

The other two candidate mutations in *dhb20* and *dhb35* were C→T transitions that fell in intergenic regions. Interestingly, one of them lies approximately 1.6kb upstream of *bli-4,* which encodes various gene products related to kex2/subtilisin-like proprotein convertases (Thacker et al., 1995). *bli-4* was shown to play a role in maintenance of a normal adult cuticle, as well as in proper embryogenesis (Peters et al., 1991). However, more recently, Leinwand et al. identified BLI-4 cleavage sites in several insulin-like peptides, and further demonstrated that BLI-4-dependent cleavage in ASE sensory neurons produced INS-6, helping remodel salt sensory circuits via insulin signaling (Leinwand and Chalasani, 2013). It is possible that the C→T change affects the promoter region of *bli-4*, influencing its expression.

dhb34 mapped to a region of chromosome V, where mutations in several genes were present (Figure 9 and Table 2), but not in *tam-1*. Two were missense mutations, a proline→leucine change in the coding region of *col-139,* and a threonine→isoleucine change in the coding region of C10G8.8. *col-139* encodes a collagen, presumably a structural component of the cuticle, but little is known about *col-139* specifically. C10G8.8 is an ortholog of human C15orf52 (chromosome 15 open reading frame 52) and CCDC9 (coiled-coil domain containing 9), both of which have uncharacterized functions. C10G8.8 is widely expressed in the pharynx, anal depressor muscle, hypodermis, tail, reproductive system, intestine, excretory cell, and body wall muscle (Wormbase). It is unclear how the other candidate mutations, which fall in intergenic, intron, or downstream regions, might affect DAF-16 levels.

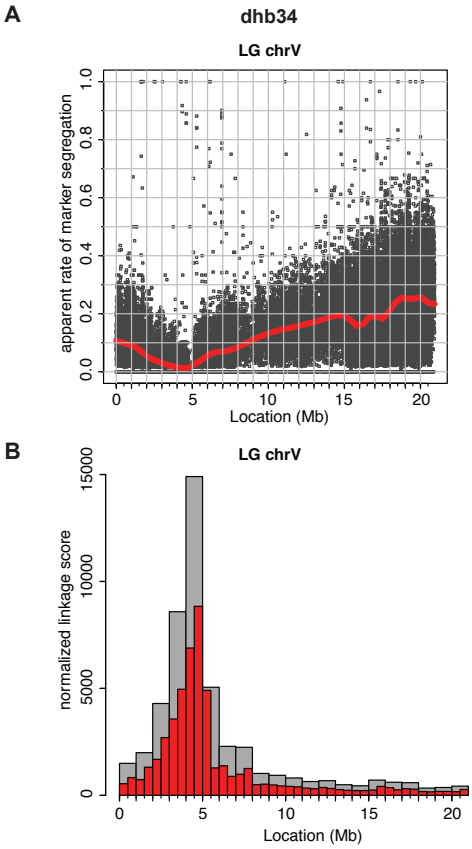

Figure 9. Mapping plots for *dhb34*. (A) Apparent rate of marker segregation, plotted as the ratio of Hawaiian alleles over total reads at each of the Hawaiianized mapping strain SNPs in the chromosome.

The red line is a LOESS regression line showing the trend in the scatter plot. (B) Frequency plot corresponding to the scatter plot in (A), showing where pure parental Bristol SH295 SNPs are concentrated. Grey bins are 1 Mb, red bins are 0.5 Mb.

Description	Linkage Group	Genomic Position	Nucleotide Change	Type of Mutation	Fosmid injected?
C07G3.8	chrV	3498943	G->A	INTRON	yes
upstream of T22F3.11	chrV	3616345	G->A	INTERGENIC	yes
Y39H10A.6	chrV	3756068	G->A	INTRON	yes
upstream of Y45G5AM.6, .5 .4 .3	chrV	4155458	G->A	INTERGENIC	yes
rft-2	chrV	4447303	G->A	INTRON	yes
col-139	chrV	4653359	G->A	MISSENSE	yes
upstream of R02F11.1	chrV	4798047	A->C,T	INTERGENIC	yes
Y49G5B.3	chrV	5219884	G->A,T	DOWNSTREAM	yes
C10G8.8	chrV	5326909	G->A	MISSENSE	yes
nhr-37, ppt-1	chrV	6625014	G->A,T	DOWNSTREAM, INTRON	yes
between C05C8.7 and C05C8.8	chrV	7251745	G->A	INTERGENIC	yes

Table 2. Candidate suppressor mutations in *dhb34*.

The mapping plots for *dhb33* did not show a drop in Hawaiian SNPs for any region on any chromosome (Figure 10). This could be because of the lack of Hawaiian SNPs present in certain regions of the Hawaiianized mapping strain. This is a common issue in Hawaiian Variant Mapping that arises during construction of the mapping strain by crossing the Bristol starting strain to Hawaiian worms. Selecting for the starting phenotype in the F2 progeny of these crosses also selects for Bristol variants surrounding the regions containing mutations or transgenes present in the starting strain. Thus, depending on whether the crossover event occurs closer or farther from the mutation/transgene, the Hawaiianized mapping strain may end up with smaller or larger regions of Bristol variants, respectively (Wolfgang Meier, personal communication). This issue could be mitigated by checking for Hawaiian SNPs close to the features of interest by PCR after the crosses. In this screen, the lack of Hawaiian SNPs on the left arm of chromosome I is likely the result of a previously described genomic incompatibility between Bristol and Hawaiian (Minevich et al., 2012; Seidel et al., 2008); the lack of Hawaiian SNPs on chromosome III is likely due to the *ttr-1* deletion; and the lack of Hawaiian SNPs on chromosome IV is likely due to the DAF-16::GFP transgene.

The *dhb* mutant mapping plots showed a lack of Hawaiian SNPs in about a 7Mb region in the left arm of chromosome I, as well as in the first 10Mb of chromosome III and about

12Mb in the middle of chromosome IV. Despite the lack of Hawaiian SNPs on the left arm of chromosome I, other *dhb* mutations could successfully be mapped to the left arm of chromosome I, suggesting that mapping is still possible in this region. Therefore, it may be likely that the mutation in *dhb33* falls on chromosomes III or IV.

Four candidate mutations were identified on chromosomes III and IV in *dhb33* (Table 3). These mutations were identified by finding *dhb33* SNPs that differ from the N2 reference genome, and exist only in *dhb33* and not in any of the other sequenced *dhb* mutants. Perhaps the most interesting candidates were an A→C transition in an intron of *seb-2,* which encodes a secretin/class B G-protein coupled receptor, and a G→A transition in an intron of *ppgn-1,* a mitochondrial protease that is an ortholog of human SPG7. Little is known about *seb-2,* but it is expressed in head muscles, the vulval vm1 muscles, and the anus (Wormbase). Interestingly, *ppgn-1* was recently described as part of a pathway that controls mitochondrial fusion. This pathway is regulated by insulin signaling and a cullin-RING ubiquitin ligase (Chaudhari and Kipreos, 2017). The authors show that *daf-16* negatively regulates *ppgn-1* expression, but in considering *ppgn-1* as a candidate in our screen, it is not inconceivable to imagine a feedback mechanism in which *ppgn-1* activity or its downstream consequences affects DAF-16 levels.

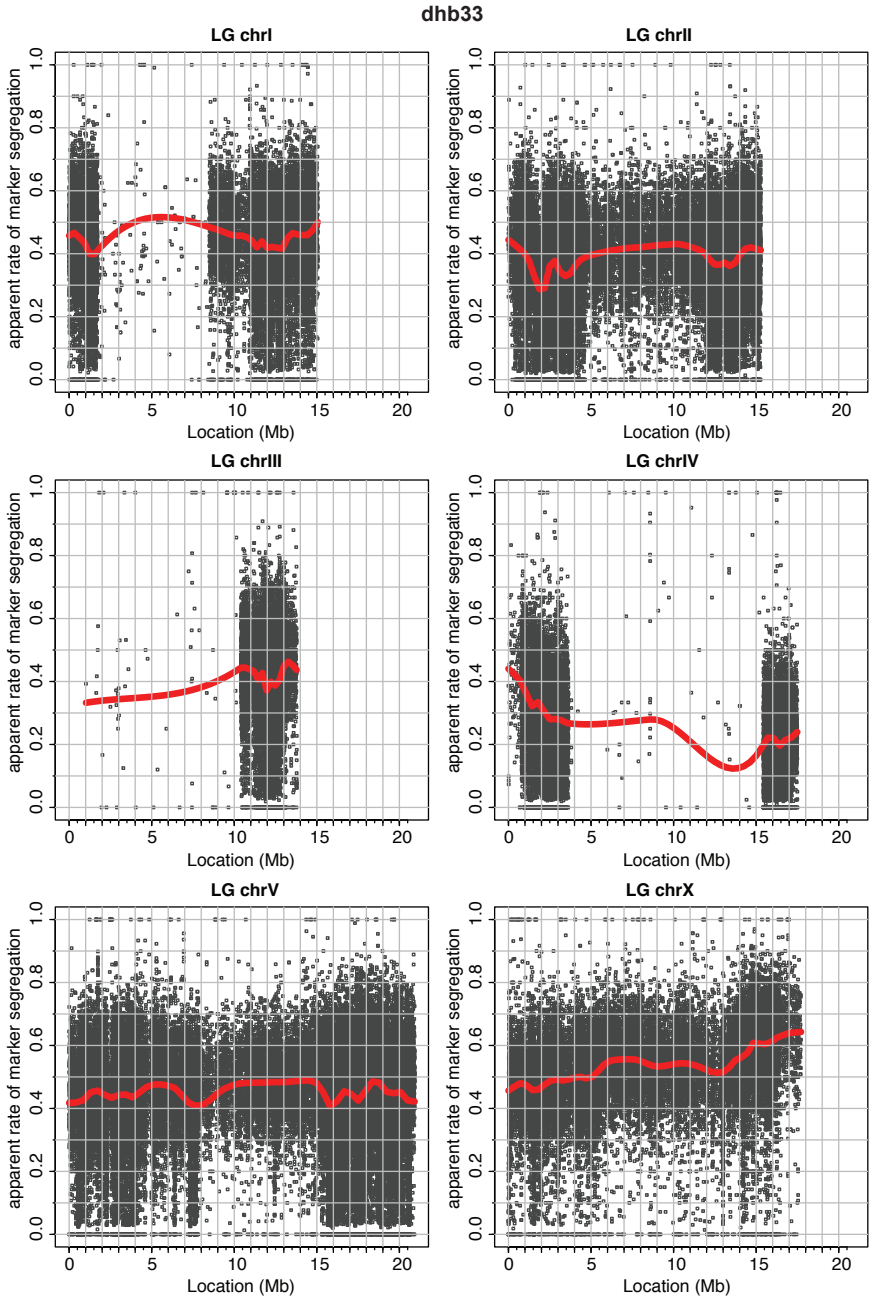

Figure 10. Mapping plots for *dhb33*. Apparent rate of marker segregation, plotted as the ratio of Hawaiian alleles over total reads at each of the Hawaiianized mapping strain SNPs in the chromosome. The red line is a LOESS regression line showing the trend in the scatter plot. *dhb33* did not show a mapping region (a drop in Hawaiian SNPs to zero or nearly zero) on any chromosome.

Description	Linkage Group	Genomic Position	Nucleotide Change	Type of Mutation	Fosmid injected?
seb-2	chrIII	8950729	A->C	INTRON	no
Y38C1AB.4, Y38C1AB.6	chrIV	15115	CAC->C	DOWNSTREAM	no
ppgn-1	chrIV	2346641	G->A	INTRON	Not available
~650bp upstream of Y54G2A.11	chrIV	2772425	AAGGGGGA->A,AGGGGGA	INTERGENIC	no

Table 3. Candidate suppressor mutations in *dhb33*.

Candidate fosmids were injected into *dhb20, dhb35,* and *dhb34*, but we did not observe rescue for any of the tested fosmids. A fosmid was not available for *ppgn-1*, one of the more interesting *dhb33* candidates. The fact that we did not observe fosmid rescue in these strains does not necessarily rule out the tested candidates as causal; for instance, it is possible that the fosmids may not have been expressed, or the injected fosmid concentrations may not have been optimal. Additional approaches will need to be taken to identify the causal mutations in *dhb20/dhb35, dhb34,* and *dhb33*, such as injection of fosmids or individually cloned genes and knock-down of candidates by RNAi.

Materials and Methods

C. elegans strains and maintenance

The following *C. elegans* mutants were acquired from the *Caenorhabditis* Genetic Center: *ttr-1(ok2250),* TJ356 (zIs356 [*Pdaf-16::daf-16a/b::gfp* + *rol-6(su1006*)]), CB4856 (Hawaiian). SH295 (*ttr-1(ok2250);Pdaf-16::daf-16a/b::gfp*) was constructed by crossing *ttr-1(ok2250)* males to TJ356 hermaphrodites. Construction of SH296 (Hawaiianized SH295) is described below (see Methods, “Mapping by sequencing”).

EMS mutagenesis screen

Mutagenesis took place by exposing early L4 SH295 worms for four hours at room temperature to 47mM EMS (methanesulfonic acid, ethyl ester, Sigma #M-0880) in 4 mL M9. The tube was inverted a few times to mix every half hour. These worms were subsequently washed twice with M9 and dropped onto an NGM plate seeded with OP50. Three hours later, late L4s that appeared healthy were transferred to a new food plate and designated as the parental generation (P0). About 40 hours later, 4 gravid P0s were picked to each of 148 10cm NGM plates seeded with OP50 and allowed to lay eggs for 3 hours. This resulted in about 50 F1 worms per plate. F1s were allowed to grow up, and were removed from plates about 24 hours after the beginning of egg laying.

Day 1 adult F2s were washed off plates and sorted according to their fluorescence using a Worm Sorter (Union Biometrica). Worms that had wildtype DAF-16::GFP levels or lower were isolated. (Just prior to initiation of the mutagenesis screen, several hundred TJ356 worms were run through the Worm Sorter to determine the wildtype-level range of fluorescence.) Progeny from about 8,600 F1s, representing about 17,200 haploid genomes, was sorted. Candidates were singled on NGM plates and raised at 20°C.

Of 424 candidates, 319 had progeny, while 105 were sterile, constitutive dauer, died, or laid dead eggs. Those with progeny were allowed to grow and reassessed for GFP level, and ultimately, 116 low-GFP candidate strains were identified.

Candidates to be sequenced were backcrossed to SH295 to determine dominance of the mutation (by observing F1s) and whether the phenotype was likely caused by just one mutation (by observing whether approximately 25% of the F2s had low DAF-16::GFP levels). All were recessive, and a selection those that likely had just one mutation were chosen for sequencing.

Imaging and quantification

Worms were paralyzed in a 4µL drop of 25mM levamisole (Sigma, St. Louis, MO, USA) on an empty NGM plate. Images were acquired on a Leica MZ16F stereoscope equipped with a MicroPublisher 5.0 RTV color camera (QImaging, BC, Canada). Identical camera settings were used for control and experimental samples. Protein levels of DAF-16 were determined by quantifying background-subtracted average fluorescence using ImageJ software (National Institutes of Health, Bethesda, Maryland, USA).

Mapping by sequencing

In order to identify causal mutations, we employed Hawaiian Variant Mapping, a previously described mapping-by-sequencing approach (Doitsidou et al., 2016; Minevich et al., 2012). See Results/Discussion for a brief description.

To construct the “Hawaiianized” SH295 mapping strain, Bristol *ttr-1* mutants and TJ356 worms were first independently outcrossed to CB4856 Hawaiian worms six times each. The resulting Hawaiianized *ttr-1* mutants and Hawaiianized TJ356 worms were mated to produced SH296 (Hawaiianized SH295). This mapping strain was crossed to each of the *dhb* strains, and for each cross, 55 F2s were singled onto 60mm NGM + streptomycin plates and allowed to produce progeny until plates were starved for no more than a day. At that point, 40-50 plates of F2s/F3s were pooled for each sample. For pooling, worms were washed from the plates with M9, rinsed twice with M9, left at 20°C for at least 2 hours on a rocker to remove food from the gut, rinsed twice with M9 again, and pelleted. Equal volumes of worms were taken from each plate for pooling. Genomic DNA was extracted from each of the sample pools using a Gentra Puregene Tissue kit (Qiagen #158667). In addition to the pooled samples, genomic DNA from the two parent strains (Bristol SH295 and Hawaiianized SH295) was also prepared for sequencing.

Libraries were prepared by the Functional Genomics Laboratory at UC Berkeley, and whole genome sequencing with 100bp paired-end reads was performed on an Illumina HiSeq4000 at the Vincent J. Coates Genomics Sequencing Laboratory at UC Berkeley.

Read quality was verified using FastQC (https://www.bioinformatics.babraham.ac.uk/projects/fastqc/), and mapping-by-sequencing was performed using the MiModD software package (http://mimodd.readthedocs.io/en/latest/index.html) version 0.1.7.3, *C. elegans* genome WS220, and SnpEff version 3.6.

After lists of candidate mutations were generated, fosmids (from the *C. elegans* WRM series, gratefully received from the lab of Abby Dernburg) were injected into *dhb* strains to identify the causal mutations. Fosmids were isolated according to a protocol adapted from the Lanctot Lab. Fosmid-containing bacteria were grown overnight in 15 mL of LB+18μg/mL chloramphenicol+0.01% arabinose in a 250 mL Erlenmeyer flask for 17 hours at 37°C with shaking. The 15 mL culture was then centrifuged at about 3800 rpm in a clinical centrifuge to pellet bacteria. Fosmid DNA was extracted using a Qiagen Miniprep kit. The pellet was resuspended in 600μL buffer P1, and then 600μL of buffer P2 was added and the solution mixed by shaking. The mixture was left at room temperature for 5 minutes, and then 800μL of buffer N3 was added and the solution was mixed by shaking. After centrifuging at 14,000rpm to pellet debris, all of the supernatant was passed through a miniprep column over the course of three spins. The column was washed with 500μL buffer PB and then 750μL buffer PE, spun for another minute to remove all traces of buffer PE, and then eluted with 50μL preheated (65°C) buffer EB. After spinning, elution was repeated with 30μL preheated buffer EB.

Fosmids were injected at 50ng/μL along with a coinjection marker, P*myo-2*::tdTomato, at 10ng/μL.

References

Aballay, A., Drenkard, E., Hilbun, L.R., and Ausubel, F.M. (2003). Caenorhabditis elegans Innate Immune Response Triggered by Salmonella enterica Requires Intact LPS and Is Mediated by a MAPK Signaling Pathway. Curr. Biol. *13*, 47–52.

Alcedo, J., and Kenyon, C. (2004). Regulation of C. elegans longevity by specific gustatory and olfactory neurons. Neuron *41*, 45–55.

Altintas, O., Park, S., and Lee, S.-J. V (2016). The role of insulin/IGF-1 signaling in the longevity of model invertebrates, C. elegans and D. melanogaster. BMB Rep. *49*, 81–92.

Antebi, A. (2013). Steroid regulation of C. elegans diapause, developmental timing, and longevity. Curr. Top. Dev. Biol. *105*, 181–212.

Apfeld, J., and Kenyon, C. (1998). Cell nonautonomy of C. elegans daf-2 function in the regulation of diapause and life span. Cell *95*, 199–210.

Apfeld, J., and Kenyon, C. (1999). Regulation of lifespan by sensory perception in Caenorhabditis elegans. Nature *402*, 804–809.

Arantes-Oliveira, N., Apfeld, J., Dillin, A., and Kenyon, C. (2002). Regulation of life-span by germ-line stem cells in Caenorhabditis elegans. Science *295*, 502–505.

Ausubel, F.M. (2005). Are innate immune signaling pathways in plants and animals conserved? Nat. Immunol. *6*, 973–979.

Betz, C., and Hall, M.N. (2013). Where is mTOR and what is it doing there? J. Cell Biol. *203*, 563–574.

Betz, C., Stracka, D., Prescianotto-Baschong, C., Frieden, M., Demaurex, N., and Hall, M.N. (2013). Feature Article: mTOR complex 2-Akt signaling at mitochondria-associated endoplasmic reticulum membranes (MAM) regulates mitochondrial physiology. Proc. Natl. Acad. Sci. U. S. A. *110*, 12526–12534.

Bishop, N.A., and Guarente, L. (2007). Two neurons mediate diet-restriction-induced longevity in C. elegans. Nature *447*, 545–549.

Block, D.H., and Shapira, M. (2015). GATA transcription factors as tissue-specific master regulators for induced responses. Worm *4*, e1118607.

Block, D.H.S., Twumasi-Boateng, K., Kang, H.S., Carlisle, J.A., Hanganu, A., Lai, T.Y.-J., and Shapira, M. (2015). The Developmental Intestinal Regulator ELT-2 Controls p38-Dependent Immune Responses in Adult C. elegans. PLoS Genet. *11*, e1005265.

Bossinger, O., Fukushige, T., Claeys, M., Borgonie, G., and McGhee, J.D. (2004). The apical disposition of the Caenorhabditis elegans intestinal terminal web is maintained by LET-413. Dev. Biol. *268*, 448–456.

Boulin, T., Etchberger, J.F., and Hobert, O. (2006). Reporter gene fusions. WormBook 1–23.

Brenner, S. (1974). The genetics of Caenorhabditis elegans. Genetics *77*, 71–94.

Bryant, C.E., and Monie, T.P. (2012). Mice, men and the relatives: cross-species studies underpin innate immunity. Open Biol. *2*, 120015.

Burkewitz, K., Morantte, I., Weir, H.J.M., Yeo, R., Zhang, Y., Huynh, F.K., Ilkayeva, O.R., Hirschey, M.D., Grant, A.R., and Mair, W.B. (2015). Neuronal CRTC-1 Governs Systemic Mitochondrial Metabolism and Lifespan via a Catecholamine Signal. Cell *160*, 842–855.

Chaudhari, S.N., and Kipreos, E.T. (2017). Increased mitochondrial fusion allows the survival of older animals in diverse C. elegans longevity pathways. Nat. Commun. *8*, 182.

Couillault, C., Pujol, N., Reboul, J., Sabatier, L., Guichou, J.-F., Kohara, Y., and Ewbank, J.J. (2004). TLR-independent control of innate immunity in Caenorhabditis elegans by the TIR domain adaptor protein TIR-1, an ortholog of human SARM. Nat. Immunol. *5*, 488–494.

Curran, S.P., and Ruvkun, G. (2007). Lifespan regulation by evolutionarily conserved genes essential for viability. PLoS Genet. *3*, e56.

Dillin, A., Hsu, A.-L., Arantes-Oliveira, N., Lehrer-Graiwer, J., Hsin, H., Fraser, A.G., Kamath, R.S., Ahringer, J., and Kenyon, C. (2002). Rates of behavior and aging specified by mitochondrial function during development. Science *298*, 2398–2401.

Doitsidou, M., Jarriault, S., and Poole, R.J. (2016). Next-Generation Sequencing-Based Approaches for Mutation Mapping and Identification in Caenorhabditis elegans. Genetics *204*, 451–474.

Doonan, R., McElwee, J.J., Matthijssens, F., Walker, G.A., Houthoofd, K., Back, P., Matscheski, A., Vanfleteren, J.R., and Gems, D. (2008). Against the oxidative damage theory of aging: superoxide dismutases protect against oxidative stress but have little or no effect on life span in Caenorhabditis elegans. Genes Dev. *22*, 3236–3241.

Douglas, P.M., Baird, N.A., Simic, M.S., Uhlein, S., McCormick, M.A., Wolff, S.C., Kennedy, B.K., and Dillin, A. (2015). Heterotypic Signals from Neural HSF-1 Separate Thermotolerance from Longevity. Cell Rep. *12*, 1196–1204.

Durieux, J., Wolff, S., and Dillin, A. (2011). The cell-non-autonomous nature of electron transport chain-mediated longevity. Cell *144*, 79–91.

Ermolaeva, M.A., and Schumacher, B. (2014). Insights from the worm: the C. elegans model for innate immunity. Semin. Immunol. *26*, 303–309.

Ewbank, J.J. (2006). Signaling in the immune response. WormBook 1–12.

Feng, J., Bussière, F., and Hekimi, S. (2001). Mitochondrial electron transport is a key determinant of life span in Caenorhabditis elegans. Dev. Cell *1*, 633–644.

Friedman, D.B., and Johnson, T.E. (1988). A mutation in the age-1 gene in Caenorhabditis elegans lengthens life and reduces hermaphrodite fertility. Genetics *118*, 75–86.

Fukushige, T., Hawkins, M.G., and McGhee, J.D. (1998). The GATA-factor elt-2 is essential for formation of the Caenorhabditis elegans intestine. Dev. Biol. *198*, 286–302.

Fukushige, T., Hendzel, M.J., Bazett-Jones, D.P., and McGhee, J.D. (1999). Direct visualization of the elt-2 gut-specific GATA factor binding to a target promoter inside the living Caenorhabditis elegans embryo. Proc. Natl. Acad. Sci. U. S. A. *96*, 11883–11888.

Gardner, P.R. (1996). Superoxide production by the mycobacterial and pseudomonad quinoid pigments phthiocol and pyocyanine in human lung cells. Arch. Biochem. Biophys. *333*, 267–274.

Garigan, D., Hsu, A.-L., Fraser, A.G., Kamath, R.S., Ahringer, J., and Kenyon, C. (2002). Genetic analysis of tissue aging in Caenorhabditis elegans: a role for heat-shock factor and bacterial proliferation. Genetics *161*, 1101–1112.

Garsin, D.A., Sifri, C.D., Mylonakis, E., Qin, X., Singh, K. V, Murray, B.E., Calderwood, S.B., and Ausubel, F.M. (2001). A simple model host for identifying Gram-positive virulence factors. Proc. Natl. Acad. Sci. U. S. A. *98*, 10892–10897.

Garsin, D.A., Villanueva, J.M., Begun, J., Kim, D.H., Sifri, C.D., Calderwood, S.B., Ruvkun, G., and Ausubel, F.M. (2003). Long-Lived C. elegans daf-2 Mutants Are Resistant to Bacterial Pathogens. Science (80-.). *300*, 1921–1921.

Gems, D., Sutton, A.J., Sundermeyer, M.L., Albert, P.S., King, K. V, Edgley, M.L., Larsen, P.L., and Riddle, D.L. (1998). Two pleiotropic classes of daf-2 mutation affect larval arrest, adult behavior, reproduction and longevity in Caenorhabditis elegans. Genetics *150*, 129–155.

Gerstein, M.B., Lu, Z.J., Van Nostrand, E.L., Cheng, C., Arshinoff, B.I., Liu, T., Yip, K.Y., Robilotto, R., Rechtsteiner, A., Ikegami, K., et al. (2010). Integrative analysis of the Caenorhabditis elegans genome by the modENCODE project. Science *330*, 1775–1787.

Gilleard, J.S., and McGhee, J.D. (2001). Activation of hypodermal differentiation in the Caenorhabditis elegans embryo by GATA transcription factors ELT-1 and ELT-3. Mol. Cell. Biol. *21*, 2533–2544.

Giorgi, C., Ito, K., Lin, H.-K., Santangelo, C., Wieckowski, M.R., Lebiedzinska, M., Bononi, A., Bonora, M., Duszynski, J., Bernardi, R., et al. (2010). PML regulates apoptosis at endoplasmic reticulum by modulating calcium release. Science *330*, 1247–1251.

Greer, E.L., and Brunet, A. (2009). Different dietary restriction regimens extend lifespan by both independent and overlapping genetic pathways in C. elegans. Aging Cell *8*, 113–127.

Greer, E.L., Dowlatshahi, D., Banko, M.R., Villen, J., Hoang, K., Blanchard, D., Gygi, S.P., and Brunet, A. (2007). An AMPK-FOXO Pathway Mediates Longevity Induced by a Novel Method of Dietary Restriction in C. elegans. Curr. Biol. *17*, 1646–1656.

Hahm, J.-H., Kim, S., and Paik, Y.-K. (2011). GPA-9 is a novel regulator of innate immunity against Escherichia coli foods in adult Caenorhabditis elegans. Aging Cell *10*, 208–219.

Hamilton, B., Dong, Y., Shindo, M., Liu, W., Odell, I., Ruvkun, G., and Lee, S.S. (2005). A systematic RNAi screen for longevity genes in C. elegans. Genes Dev. *19*, 1544–1555.

Hansen, M., Hsu, A.-L., Dillin, A., and Kenyon, C. (2005). New genes tied to endocrine, metabolic, and dietary regulation of lifespan from a Caenorhabditis elegans genomic RNAi screen. PLoS Genet. *1*, 119–128.

Hansen, M., Taubert, S., Crawford, D., Libina, N., Lee, S.-J., and Kenyon, C. (2007). Lifespan extension by conditions that inhibit translation in Caenorhabditis elegans. Aging Cell *6*, 95–110.

HARMAN, D. (1956). Aging: a theory based on free radical and radiation chemistry. J. Gerontol. *11*, 298–300.

Heitman, J., Movva, N.R., and Hall, M.N. (1991). Targets for cell cycle arrest by the immunosuppressant rapamycin in yeast. Science *253*, 905–909.

Hekimi, S., Wang, Y., and Noë, A. (2016). Mitochondrial ROS and the Effectors of the Intrinsic Apoptotic Pathway in Aging Cells: The Discerning Killers! Front. Genet. *7*, 161.

Hodgkin, J., and Doniach, T. (1997). Natural variation and copulatory plug formation in Caenorhabditis elegans. Genetics *146*, 149–164.

van der Hoeven, R., McCallum, K.C., Cruz, M.R., and Garsin, D.A. (2011). Ce-Duox1/BLI-3 Generated Reactive Oxygen Species Trigger Protective SKN-1 Activity via p38 MAPK Signaling during Infection in C. elegans. PLoS Pathog. *7*, e1002453.

Houthoofd, K., Braeckman, B.P., Lenaerts, I., Brys, K., De Vreese, A., Van Eygen, S., and Vanfleteren, J.R. (2002a). No reduction of metabolic rate in food restricted Caenorhabditis elegans. Exp. Gerontol. *37*, 1359–1369.

Houthoofd, K., Braeckman, B.P., Lenaerts, I., Brys, K., De Vreese, A., Van Eygen, S., and Vanfleteren, J.R. (2002b). Axenic growth up-regulates mass-specific metabolic rate, stress resistance, and extends life span in Caenorhabditis elegans. Exp. Gerontol. *37*, 1371–1378.

Hsieh, J., Liu, J., Kostas, S.A., Chang, C., Sternberg, P.W., and Fire, A. (1999). The RING finger/B-box factor TAM-1 and a retinoblastoma-like protein LIN-35 modulate context-dependent gene silencing in Caenorhabditis elegans. Genes Dev. *13*, 2958–2970.

Hsin, H., and Kenyon, C. (1999). Signals from the reproductive system regulate the lifespan of C. elegans. Nature *399*, 362–366.

Hsu, A.-L., Murphy, C.T., and Kenyon, C. (2003). Regulation of Aging and Age-Related Disease by DAF-16 and Heat-Shock Factor. Science (80-.). *300*, 1142–1145.

Hwang, A.B., Ryu, E.-A., Artan, M., Chang, H.-W., Kabir, M.H., Nam, H.-J., Lee, D., Yang, J.-S., Kim, S., Mair, W.B., et al. (2014). Feedback regulation via AMPK and HIF-1 mediates ROS-dependent longevity in Caenorhabditis elegans. Proc. Natl. Acad. Sci. U. S. A. *111*, E4458-67.

Inoue, H., Hisamoto, N., An, J.H., Oliveira, R.P., Nishida, E., Blackwell, T.K., and Matsumoto, K. (2005). The C. elegans p38 MAPK pathway regulates nuclear localization of the transcription factor SKN-1 in oxidative stress response. Genes Dev. *19*, 2278–2283.

Kamath, R.S., Fraser, A.G., Dong, Y., Poulin, G., Durbin, R., Gotta, M., Kanapin, A., Le Bot, N., Moreno, S., Sohrmann, M., et al. (2003). Systematic functional analysis of the Caenorhabditis elegans genome using RNAi. Nature *421*, 231–237.

Kawli, T., Wu, C., and Tan, M.-W. (2010). Systemic and cell intrinsic roles of Gqalpha

signaling in the regulation of innate immunity, oxidative stress, and longevity in Caenorhabditis elegans. Proc. Natl. Acad. Sci. U. S. A. *107*, 13788–13793.

Keaney, M., Matthijssens, F., Sharpe, M., Vanfleteren, J., and Gems, D. (2004). Superoxide dismutase mimetics elevate superoxide dismutase activity in vivo but do not retard aging in the nematode Caenorhabditis elegans. Free Radic. Biol. Med. *37*, 239–250.

Kenyon, C., Chang, J., Gensch, E., Rudner, A., and Tabtiang, R. (1993). A C. elegans mutant that lives twice as long as wild type. Nature *366*, 461–464.

Kerry, S., TeKippe, M., Gaddis, N.C., and Aballay, A. (2006). GATA transcription factor required for immunity to bacterial and fungal pathogens. PLoS One *1*, e77.

Kim, D.H., Feinbaum, R., Alloing, G., Emerson, F.E., Garsin, D. a, Inoue, H., Tanaka-Hino, M., Hisamoto, N., Matsumoto, K., Tan, M.-W., et al. (2002). A conserved p38 MAP kinase pathway in Caenorhabditis elegans innate immunity. Science *297*, 623–626.

Kim, D.H., Liberati, N.T., Mizuno, T., Inoue, H., Hisamoto, N., Matsumoto, K., and Ausubel, F.M. (2004). Integration of Caenorhabditis elegans MAPK pathways mediating immunity and stress resistance by MEK-1 MAPK kinase and VHP-1 MAPK phosphatase. Proc. Natl. Acad. Sci. U. S. A. *101*, 10990–10994.

Kirkwood, T.B. (1977). Evolution of ageing. Nature *270*, 301–304.

Knight, S.W., and Bass, B.L. (2002). The role of RNA editing by ADARs in RNAi. Mol. Cell *10*, 809–817.

Kurz, C.L., and Tan, M.-W. (2004). Regulation of aging and innate immunity in C. elegans. Aging Cell *3*, 185–193.

Lakowski, B., and Hekimi, S. (1998). The genetics of caloric restriction in Caenorhabditis elegans. Proc. Natl. Acad. Sci. U. S. A. *95*, 13091–13096.

Lee, S.-J., and Kenyon, C. (2009). Regulation of the longevity response to temperature by thermosensory neurons in Caenorhabditis elegans. Curr. Biol. *19*, 715–722.

Lee, S.S., Lee, R.Y.N., Fraser, A.G., Kamath, R.S., Ahringer, J., and Ruvkun, G. (2002). A systematic RNAi screen identifies a critical role for mitochondria in C. elegans longevity. Nat. Genet. *33*, 40–48.

Leinwand, S.G., and Chalasani, S.H. (2013). Neuropeptide signaling remodels chemosensory circuit composition in Caenorhabditis elegans. Nat. Neurosci. *16*, 1461–1467.

Liberati, N.T., Fitzgerald, K.A., Kim, D.H., Feinbaum, R., Golenbock, D.T., and Ausubel, F.M. (2004). Requirement for a conserved Toll/interleukin-1 resistance domain protein in the Caenorhabditis elegans immune response. Proc. Natl. Acad. Sci. U. S. A. *101*, 6593–6598.

Libina, N., Berman, J.R., and Kenyon, C. (2003). Tissue-specific activities of C. elegans DAF-16 in the regulation of lifespan. Cell *115*, 489–502.

Mair, W., and Dillin, A. (2008). Aging and Survival: The Genetics of Life Span Extension by Dietary Restriction. Annu. Rev. Biochem. *77*, 727–754.

Maneechotesuwan, K., Xin, Y., Ito, K., Jazrawi, E., Lee, K.-Y., Usmani, O.S., Barnes,

P.J., and Adcock, I.M. (2007). Regulation of Th2 cytokine genes by p38 MAPK-mediated phosphorylation of GATA-3. J. Immunol. *178*, 2491–2498.

Mariol, M.-C., Walter, L., Bellemin, S., and Gieseler, K. (2013). A rapid protocol for integrating extrachromosomal arrays with high transmission rate into the C. elegans genome. J. Vis. Exp. e50773.

Masoro, E.J. (2005). Overview of caloric restriction and ageing. Mech. Ageing Dev. *126*, 913–922.

McElwee, J., Bubb, K., and Thomas, J.H. (2003). Transcriptional outputs of the Caenorhabditis elegans forkhead protein DAF-16. Aging Cell *2*, 111–121.

McGhee, J.D., Sleumer, M.C., Bilenky, M., Wong, K., McKay, S.J., Goszczynski, B., Tian, H., Krich, N.D., Khattra, J., Holt, R.A., et al. (2007). The ELT-2 GATA-factor and the global regulation of transcription in the C. elegans intestine. Dev. Biol. *302*, 627–645.

McGhee, J.D., Fukushige, T., Krause, M.W., Minnema, S.E., Goszczynski, B., Gaudet, J., Kohara, Y., Bossinger, O., Zhao, Y., Khattra, J., et al. (2009). ELT-2 is the predominant transcription factor controlling differentiation and function of the C. elegans intestine, from embryo to adult. Dev. Biol. *327*, 551–565.

Medawar, P. (1952). An Unsolved Problem of Biology (London, UK: H.K. Lewis and Company).

Minevich, G., Park, D.S., Blankenberg, D., Poole, R.J., and Hobert, O. (2012). CloudMap: a cloud-based pipeline for analysis of mutant genome sequences. Genetics *192*, 1249–1269.

Morisco, C., Seta, K., Hardt, S.E., Lee, Y., Vatner, S.F., and Sadoshima, J. (2001). Glycogen synthase kinase 3beta regulates GATA4 in cardiac myocytes. J. Biol. Chem. *276*, 28586–28597.

Morley, J.F., and Morimoto, R.I. (2004). Regulation of longevity in Caenorhabditis elegans by heat shock factor and molecular chaperones. Mol. Biol. Cell *15*, 657–664.

Murphy, C.T., and Hu, P.J. (2013). Insulin/insulin-like growth factor signaling in C. elegans. WormBook 1–43.

Murphy, C.T., McCarroll, S. a, Bargmann, C.I., Fraser, A., Kamath, R.S., Ahringer, J., Li, H., and Kenyon, C. (2003). Genes that act downstream of DAF-16 to influence the lifespan of Caenorhabditis elegans. Nature *424*, 277–283.

Noble, T., Stieglitz, J., and Srinivasan, S. (2013). An integrated serotonin and octopamine neuronal circuit directs the release of an endocrine signal to control C. elegans body fat. Cell Metab. *18*, 672–684.

Onken, B., and Driscoll, M. (2010). Metformin Induces a Dietary Restriction–Like State and the Oxidative Stress Response to Extend C. elegans Healthspan via AMPK, LKB1, and SKN-1. PLoS One *5*, e8758.

Palikaras, K., Lionaki, E., and Tavernarakis, N. (2015). Coordination of mitophagy and mitochondrial biogenesis during ageing in C. elegans. Nature *521*, 525–528.

Panowski, S.H., Wolff, S., Aguilaniu, H., Durieux, J., and Dillin, A. (2007). PHA-4/Foxa

mediates diet-restriction-induced longevity of C. elegans. Nature *447*, 550–555.

Papp, D., Csermely, P., and Sőti, C. (2012). A role for SKN-1/Nrf in pathogen resistance and immunosenescence in Caenorhabditis elegans. PLoS Pathog. *8*, e1002673.

Pauli, F., Liu, Y., Kim, Y.A., Chen, P.-J., and Kim, S.K. (2006). Chromosomal clustering and GATA transcriptional regulation of intestine-expressed genes in C. elegans. Development *133*, 287–295.

Pearl, R. (1928). The Rate of Living (New York: Knopf).

Peters, K., McDowall, J., and Rose, A.M. (1991). Mutations in the bli-4 (I) locus of Caenorhabditis elegans disrupt both adult cuticle and early larval development. Genetics *129*, 95–102.

Podshivalova, K., Kerr, R.A., and Kenyon, C. (2017). How a Mutation that Slows Aging Can Also Disproportionately Extend End-of-Life Decrepitude. Cell Rep. *19*, 441–450.

Pujol, N., Zugasti, O., Wong, D., Couillault, C., Kurz, C.L., Schulenburg, H., and Ewbank, J.J. (2008). Anti-fungal innate immunity in C. elegans is enhanced by evolutionary diversification of antimicrobial peptides. PLoS Pathog. *4*, e1000105.

Van Raamsdonk, J.M., and Hekimi, S. (2012). Superoxide dismutase is dispensable for normal animal lifespan. Proc. Natl. Acad. Sci. U. S. A. *109*, 5785–5790.

Ramanathan, A., and Schreiber, S.L. (2009). Direct control of mitochondrial function by mTOR. Proc. Natl. Acad. Sci. U. S. A. *106*, 22229–22232.

Robida-Stubbs, S., Glover-Cutter, K., Lamming, D.W., Mizunuma, M., Narasimhan, S.D., Neumann-Haefelin, E., Sabatini, D.M., and Blackwell, T.K. (2012). TOR signaling and rapamycin influence longevity by regulating SKN-1/Nrf and DAF-16/FoxO. Cell Metab. *15*, 713–724.

Van Rompay, L., Borghgraef, C., Beets, I., Caers, J., and Temmerman, L. (2015). New genetic regulators question relevance of abundant yolk protein production in C. elegans. Sci. Rep. *5*, 16381.

Roy, P.J., Stuart, J.M., Lund, J., and Kim, S.K. (2002). Chromosomal clustering of muscle-expressed genes in Caenorhabditis elegans. Nature *418*, 975–979.

Schulenburg, H., Hoeppner, M.P., Weiner, J., and Bornberg-Bauer, E. (2008). Specificity of the innate immune system and diversity of C-type lectin domain (CTLD) proteins in the nematode Caenorhabditis elegans. Immunobiology *213*, 237–250.

Schulz, T.J., Zarse, K., Voigt, A., Urban, N., Birringer, M., and Ristow, M. (2007). Glucose Restriction Extends Caenorhabditis elegans Life Span by Inducing Mitochondrial Respiration and Increasing Oxidative Stress. Cell Metab. *6*, 280–293.

Seidel, H.S., Rockman, M. V, and Kruglyak, L. (2008). Widespread genetic incompatibility in C. elegans maintained by balancing selection. Science *319*, 589–594.

Shapira, M., and Tan, M.-W. (2008). Genetic analysis of Caenorhabditis elegans innate immunity. Methods Mol. Biol. *415*, 429–442.

Shapira, M., Hamlin, B.J., Rong, J., Chen, K., Ronen, M., and Tan, M.-W. (2006). A conserved role for a GATA transcription factor in regulating epithelial innate immune responses. Proc. Natl. Acad. Sci. U. S. A. *103*, 14086–14091.

Shivers, R.P., Pagano, D.J., Kooistra, T., Richardson, C.E., Reddy, K.C., Whitney, J.K., Kamanzi, O., Matsumoto, K., Hisamoto, N., and Kim, D.H. (2010). Phosphorylation of the conserved transcription factor ATF-7 by PMK-1 p38 MAPK regulates innate immunity in Caenorhabditis elegans. PLoS Genet. *6*, e1000892.

Simonis, N., Rual, J.-F., Carvunis, A.-R., Tasan, M., Lemmens, I., Hirozane-Kishikawa, T., Hao, T., Sahalie, J.M., Venkatesan, K., Gebreab, F., et al. (2009). Empirically controlled mapping of the Caenorhabditis elegans protein-protein interactome network. Nat. Methods *6*, 47–54.

Sohal, R.S., and Weindruch, R. (1996). Oxidative stress, caloric restriction, and aging. Science *273*, 59–63.

Sommermann, E.M., Strohmaier, K.R., Maduro, M.F., and Rothman, J.H. (2010). Endoderm development in Caenorhabditis elegans: the synergistic action of ELT-2 and -7 mediates the specification→differentiation transition. Dev. Biol. *347*, 154–166.

Tan, M.-W., and Shapira, M. (2011). Genetic and molecular analysis of nematode-microbe interactions. Cell. Microbiol. *13*, 497–507.

Tan, M.W., Mahajan-Miklos, S., and Ausubel, F.M. (1999). Killing of Caenorhabditis elegans by Pseudomonas aeruginosa used to model mammalian bacterial pathogenesis. Proc. Natl. Acad. Sci. U. S. A. *96*, 715–720.

Taylor, R.C., and Dillin, A. (2013). XBP-1 is a cell-nonautonomous regulator of stress resistance and longevity. Cell *153*, 1435–1447.

Tepper, R.G., Ashraf, J., Kaletsky, R., Kleemann, G., Murphy, C.T., and Bussemaker, H.J. (2013). PQM-1 complements DAF-16 as a key transcriptional regulator of DAF-2-mediated development and longevity. Cell *154*, 676–690.

Thacker, C., Peters, K., Srayko, M., and Rose, A.M. (1995). The bli-4 locus of Caenorhabditis elegans encodes structurally distinct kex2/subtilisin-like endoproteases essential for early development and adult morphology. Genes Dev. *9*, 956–971.

Troemel, E.R., Chu, S.W., Reinke, V., Lee, S.S., Ausubel, F.M., and Kim, D.H. (2006). p38 MAPK regulates expression of immune response genes and contributes to longevity in C. elegans. PLoS Genet. *2*, e183.

Tullet, J.M.A., Hertweck, M., An, J.H., Baker, J., Hwang, J.Y., Liu, S., Oliveira, R.P., Baumeister, R., and Blackwell, T.K. (2008). Direct Inhibition of the Longevity-Promoting Factor SKN-1 by Insulin-like Signaling in C. elegans. Cell *132*, 1025–1038.

Tusher, V.G., Tibshirani, R., and Chu, G. (2001). Significance analysis of microarrays applied to the ionizing radiation response. Proc. Natl. Acad. Sci. U. S. A. *98*, 5116–5121.

Twumasi-Boateng, K., and Shapira, M. (2012). Dissociation of immune responses from pathogen colonization supports pattern recognition in C. elegans. PLoS One *7*, e35400.

Twumasi-Boateng, K., Wang, T.W., Tsai, L., Lee, K.H., Salehpour, A., Bhat, S., Tan, M.W., and Shapira, M. (2012). An age-dependent reversal in the protective capacities of JNK signaling shortens Caenorhabditis elegans lifespan. Aging Cell *11*, 659–667.

Vellai, T., Takacs-Vellai, K., Zhang, Y., Kovacs, A.L., Orosz, L., and Müller, F. (2003).

Genetics: Influence of TOR kinase on lifespan in C. elegans. Nature *426*, 620–620.

Williams, G.C. (1957). PLEIOTROPY, NATURAL SELECTION, AND THE EVOLUTION OF SENESCENCE. Evolution (N. Y). *11*, 398–411.

Wolkow, C.A., Kimura, K.D., Lee, M.S., and Ruvkun, G. (2000). Regulation of C-elegans life-span by insulinlike signaling in the nervous system. Science (80-.). *290*, 147–150.

Xie, Y., Moussaif, M., Choi, S., Xu, L., and Sze, J.Y. (2013). RFX transcription factor DAF-19 regulates 5-HT and innate immune responses to pathogenic bacteria in Caenorhabditis elegans. PLoS Genet. *9*, e1003324.

Yamawaki, T.M., Berman, J.R., Suchanek-Kavipurapu, M., McCormick, M., Gaglia, M.M., Lee, S.-J., and Kenyon, C. (2010). The Somatic Reproductive Tissues of C. elegans Promote Longevity through Steroid Hormone Signaling. PLoS Biol. *8*, e1000468.

Yang, W., and Hekimi, S. (2010a). Two modes of mitochondrial dysfunction lead independently to lifespan extension in Caenorhabditis elegans. Aging Cell *9*, 433–447.

Yang, W., and Hekimi, S. (2010b). A Mitochondrial Superoxide Signal Triggers Increased Longevity in Caenorhabditis elegans. PLoS Biol. *8*, e1000556.

Yang, W., Li, J., and Hekimi, S. (2007). A Measurable increase in oxidative damage due to reduction in superoxide detoxification fails to shorten the life span of long-lived mitochondrial mutants of Caenorhabditis elegans. Genetics *177*, 2063–2074.

Yee, C., Yang, W., and Hekimi, S. (2014). The Intrinsic Apoptosis Pathway Mediates the Pro-Longevity Response to Mitochondrial ROS in C. elegans. Cell *157*, 897–909.

Yen, K., Patel, H.B., Lublin, A.L., and Mobbs, C. V (2009). SOD isoforms play no role in lifespan in ad lib or dietary restricted conditions, but mutational inactivation of SOD-1 reduces life extension by cold. Mech. Ageing Dev. *130*, 173–178.

Youngman, M.J., Rogers, Z.N., and Kim, D.H. (2011). A decline in p38 MAPK signaling underlies immunosenescence in Caenorhabditis elegans. PLoS Genet. *7*, e1002082.

Zhang, P., Judy, M., Lee, S.-J., and Kenyon, C. (2013). Direct and indirect gene regulation by a life-extending FOXO protein in C. elegans: roles for GATA factors and lipid gene regulators. Cell Metab. *17*, 85–100.

Zhang, Z., Liu, L., Twumasi-Boateng, K., Block, D.H.S., and Shapira, M. (2017). FOS-1 functions as a transcriptional activator downstream of the C. elegans JNK homolog KGB-1. Cell. Signal. *30*, 1–8.

Zinzalla, V., Stracka, D., Oppliger, W., and Hall, M.N. (2011). Activation of mTORC2 by Association with the Ribosome. Cell *144*, 757–768.

Zugasti, O., and Ewbank, J.J. (2009). Neuroimmune regulation of antimicrobial peptide expression by a noncanonical TGF-β signaling pathway in Caenorhabditis elegans epidermis. Nat. Immunol. *10*, 249–256.

Appendix 1: Supplementary Information for Chapter 1

Table S1. Primers used in the paper

pan-actin forward	TCGGTATGGGACAGAAGGAC
pan-actin reverse	CATCCCAGTTGGTGACGATA
F55G11.2 forward	TGGTTCTCCAGACGTGTTCA
F55G11.2 reverse	CAGCCTTGCCTTTACTGACA
F08G5.6 forward	CACAATGATTTCAATGCGAGA
F08G5.6 reverse	GTTTCGACCGAGAAATCGAG
T24B8.5 forward	AAGACCATCATGCCCTTCAC
T24B8.5 reverse	CCACAGATTTGGCAGGTTTT
C17H12.8 forward	GTCAAGCCGATCTGCAAAAT
C17H12.8 reverse	GGAATTGACTCGCAAATCGT
C32H11.12 forward	ACCGAGCCAGGAGGTTATCT
C32H11.12 reverse	TCCCGATGTTGATTTTGACC
C25B8.3 forward	GCTACTGGGTGAAGGATGGA
C25B8.3 reverse	ACAAATCGTGTGGACATGGA
T21H3.1 forward	CCGGACTCAAGGACGATTT
T21H3.1 reverse	GCGTCGAAGAGCTTGTTGTA
Y49E10.16 forward	GCGTCGAAGAGCTTGTTGTA
Y49E10.16 reverse	TTGGAATAGGAAGGCATCGT
C32H11.4 forward	CTTTGTTGCAAACTTGTACA
C32H11.4 reverse	GTAGTCAACAAAGTTTGCAT
C18H9.6 forward	TGTACCATATCCAGATTCAGGTG
C18H9.6 reverse	GGTCAGTCAGAACCATAACTTCA
F55G11.5 forward	TGTCTTCAGCTTCTGCATCC
F55G11.5 reverse	TCAGGAACGGTTACAGTCCA
F52H3.7(lec-2) forward	CATTTGAGCCAGGACAGACA
F52H3.7(lec-2) reverse	TTCGATTTGCGCTCTTCTTT
M02F4.7 (clec-265) forward	TGTGCGAATTTGACCTTGTG
M02F4.7(clec-265) reverse	CCTCCCATGCTTCTACAAGTG
F35E12.7 forward	CCTGATGGAACAACTCAGAGC
F35E12.7 reverse	GGTGCTTGTAACGGTGGAAA
Y46C8AL.2 (clec-174) forward	CGATGATGCTCATAACTGGTG
Y46C8AL.2 (clec-174) reverse	CCCATTCCAAGAGACCAGAA
Y22F5A.5 (lys-2) forward	CCAATATCAAGCTGGCAAGG
Y22F5A.5 (lys-2) reverse	GTTGGATTGTTTGGCCAGTT
lmp-1 forward	ATGCTGCCGGAGATGTTACA
lmp-1 reverse	CACGTTGGATGTCTTGATGTCA
ubl-1 forward	AAGCTCGCCGTCCTTAAGTA

ubl-1 reverse	CCATGAAGACTCCTCCTCCG
mrp-5 forward	TTGGAAGATACTCGGCAGCA
mrp-5 reverse	GGAGAAGAGTCCGGCATCG
Y54G2A.6(clec-85) forward	GAGCACGCTGAATGGAAAAT
Y54G2A.6(clec-85) reverse	GCTCCAGAAGCTGGTGAGTC
ZK896.7(clec-186) forward	GTGGAAAATGGCAATGGTTT
ZK896.7(clec-186) reverse	AACAACTCCCTCGTTTGGTG

Table S2. Raw microarray data.

NAME **elt-2 repressed**	ctrl(RNAi) E. coli WS_04.23	ctrl(RNAi) E. coli WS_05.09	ctrl(RNAi) E. coli HP_05.09	ctrl(RNAi) P. aeruginosa, non-colonized WS_04.23	ctrl(RNAi) P. aeruginosa, non-colonized WS_05.09	ctrl(RNAi) P. aeruginosa, non-colonized HP_05.09	ctrl(RNAi) P. aeruginosa, colonized WS_04.23	ctrl(RNAi) P. aeruginosa, colonized WS_05.09	ctrl(RNAi) P. aeruginosa, colonized HP_05.09	elt-2 E. coli WS_04.23	elt-2 E. coli HP_05.09	elt-2 P. aeruginosa, non-colonized WS_04.23	elt-2 P. aeruginosa, non-colonized HP_05.09	elt-2 P. aeruginosa, colonized HP_05.09
T19A6.2a	-0.56	-0.89	-0.34	-0.35	-0.53	0.43	-0.54	-1.24		-0.46	0.3	0.97	0.55	-0.5
R12E2.7		-0.33	-0.62	-0.58	-0.3	-1.28	-0.3	-0.57	-0.18	-0.24	0.48	0.53	0.27	0.59
T03F1.11		-0.86	-1.01	-0.42	0.03	-0.94	-0.28	-0.15	-0.22	0.38	0.14	1.12	0.48	0.43
F09F3.6	-0.07	0.63	-0.16	1.16	0.93	0.3	1.32	1.04	0.82	2.24	1.46	2.72	1.48	2.19
C34H4.4	-2.09	-0.58	-0.95	0.55	0.7	-0.33	0.58	0.18	-0.41	2.27	1	3	1.37	1.12
Y105C5A.12		-1.1	-1.71	-0.3	-0.73	-1.44	0.38	-0.7	-0.79	2.17	1.4	2.23	1.59	1.03
F53F1.5		-1.15	-1.32	-1.12	-0.91	-1.24	-1.71	-1.65	-0.87	0.28	-0.08	0.83	0.64	-0.28
T22A3.2	-2	-1.14	-0.96	-1.24	-0.97	-1.04	-1.48	-1.23	-1.11	-0.43	-0.41	-0.33	-0.45	-0.61
T05H10.3	-2.29	-1.06	-1.24	-1.01	-0.73	-1.02	-1.29	-1.5	-1.32	0.7	-0.16	0.81	-0.37	-0.17
C36E6.5	-1.22	-0.89	-0.41	-0.49	-0.32	-0.74	-0.33	-0.63	-0.41	0.63	0.31	1.14	0.24	0.42
C51E3.7a	-1.16	-0.17	-0.12	0.35	0.75	0.18	0.03	0.63	0.86	1.21	0.8	2.6	1.74	1.01
C42D8.8a	-1.16	-0.45	-0.25	-0.07	0.27	-0.04	-0.4	0.07	0.32	0.4	0.37	1.46	0.97	0.61
T18D3.4	-2.39	-1.02	-1.08	-0.81	-0.27	-0.76	-1.19	-0.57	-0.28	-0.05	-0.09	1.72	0.31	0.3
R06C7.10	-2.15	-0.65	-1.28	-0.95	-0.66	-0.78	-1.84	-0.77	-0.51	0.11	-0.42	2.29	0.07	-0.11
C18A11.7	-2.09	-0.58	-0.94	-1.08	-0.74	-0.99	-1.29	-1.03	-1.16	-0.5	-0.68	0.62	-0.21	-0.55
T19A6.2b	-0.69	-0.23	0.1	0.13	0.04	0.43	-0.26	0.08	0.29	0.17	0.2	1.81	1.84	0.5
C05D10.4c	-0.91	-0.31	-0.23	-0.27	-0.26	-0.09	-0.48	-0.32	-0.31	0.19	0.12	1.1	1.41	0.05
Y67A10A.7		-0.21	-0.17	-0.04	-0.26	-0.29	-0.31	-0.34	-0.6	0.09	0.34	1.3	1.64	0.08
K10B3.7	-0.44	-0.53	-0.33	-0.36	-0.53	-0.3	-0.5	-0.36	-0.2	-0.16	0.17	0.7	0.87	0.18
T22B2.4		-0.61	-0.34	-0.93	-0.46	-0.46	-1.04	-0.9	-0.15	-0.35	0.25	0.89	0.55	0.25
C44B11.3		-0.49	-0.54	-1.06	-0.86	-0.47	-0.9	-1.04		-0.58	0.12	0.34	0.57	-0.41

C53C11.3		0.05	0.48	-0.52	-0.04	0.22	-0.86	-0.01	-0.31	-0.18	0.51	1.15	1.08	0.28
F02G3.1c		-0.36	0.28	-0.86	-0.39	-0.22	-1.25	-0.05	-0.24	-0.2	0.28	1.18	0.42	0.33
R08E3.4	-0.93	-0.34	0.13	-0.76	-0.32	-0.2	-0.57	-0.17	-0.34	0.01	0.08	0.97	0.45	0.2
B0350.2b	-1.47	-0.71	-0.4	-0.54	-0.5	-0.3	-1.19	-0.33	-0.97	-0.18	-0.11	0.86	0.44	-0.08
W05G11.6a	-1.05	-0.09	-0.47	-0.82	-0.27	-0.42	-0.79	-0.53	-0.84	-0.24	0.18	1.74	0.45	-0.19
T21B6.3	-1.65	-1.15	-0.99	-1.62	-1.34	-1.33	-1.7	-1.64	-1.2	-1.04	-0.83	0.89	-0.7	-0.83
F54E4.3		-0.78	-0.16	-0.98	-0.56	-0.56	-0.96	-0.58	-0.58		0.89	1.32	0.06	0.32
Y37D8A.23c		-0.16	-0.15	-0.48	-0.09	-0.41	-0.78	-0.38	-0.39	-0.24	1.13	1.19		0.24
T22C1.7		-0.53	-0.46	-0.42	-0.47	-0.28	-0.67	-0.41	-0.53	0.02	0.76	0.63	0.39	0.08
F17C8.2	-0.21	-0.29	0.03	-0.95	-0.75	-0.98	-1.07	-0.83	-0.88	0.3	0.08	0.77	-0.23	-0.29
B0334.2	0.27	0.23	0.11	0.02	-0.05	-0.2	-0.11	-0.13	-0.11	0.6	0.66	0.75	0.51	0.51
K07E1.1	-0.36	-0.31	-0.57	-0.54	-0.54	-0.68	-0.59	-0.51	-0.69	0.57	-0.05	0.9		0.25
F49E11.11		-0.2	-0.64	-0.25	-0.48	-0.81	-0.25	-0.42	-0.45	0.78	0.36	1.67	0.83	0.45
K08D8.3	-0.29	-0.66	-0.79	-0.76	-0.83	-0.77	-0.95	-0.9	-0.82	-0.18	-0.52	0.19	-0.39	-0.19
F32G8.4	-0.29	-0.77	-0.75	-0.75	-0.75	-0.64	-0.96	-0.81	-0.7	-0.24	-0.53	0.59		-0.77
F32B5.6a	-0.19	0.03	0.18	-0.21	0.06	-0.01	0.07	-0.11	-0.14	1.15	0.27	2.07	0.94	0.38
F57B1.4	-2.89		-1.19	-2.58	-2.16		-2.73	-2.17	-2.15	-0.54	-1.56	0.19	-0.84	-1.58
F38B2.1a	-0.37	-0.73	0.44	-0.43	0.11	-1.12	-0.56	-0.56	-0.21	0.37	-0.53	3.35	-0.08	1.12
F44F4.4	-0.19	0.23	-0.43	-0.3	-0.17	-0.09	-0.4	0.32	-0.34	-0.15	0	1.11		0.82
Y105E8B.1c	-1.38	-0.97	-1.35	-0.83	-0.96	-0.74	-0.71	-1.06	-1.43	-0.13	-0.66	0.4	-1.4	-0.94
B0507.10	-1.98	-1.42	-1.48	-1.84	-1.43	-1.51	-2.03	-1.82	-2.23	1.02	-0.13	0.09	-0.96	-1.18
T19C9.8	1.11	0.57	0.71	-0.05	-0.06	-0.13	0.11	-0.16	-0.14	3.89	2.86	2.12	0	1.98
C02C2.1	-0.24	0.4	0.23	-1.01	-0.38	-0.06	-0.85	-0.47	-0.4	-0.19	0.3	0.69	0.14	0.72
ZK721.2	-1.37	-0.8	-0.02	-1.75	-1.76	-1.77	-1.48	-1.29	-1.84	-1.36	-0.81	-0.85	0.26	-1.1
R11G11.7		0.17	0.37	-0.32	0.46	0.03	0.01	0.07	-0.12		0.64	0.45	1.41	1.12
F54C1.7	-1.2	-0.83	-0.68	-1.02	-1.04	-1.33	-1.1	-1.29	-1.24	-0.46	-0.32	-0.7	-0.02	-0.49
W04E12.8	-0.25	0.28	0.32	0.07	0.12	0.11	-0.17	0.23	0.02		0.84	-0.04	0.44	0.38
C17E4.3	0.4	-0.15	0.6	-0.23	-0.24	0.68	-0.12	-0.39	-0.3	-0.25	0.93	-0.42	0.38	0.12

T07F8.4	-0.06	-0.22	-0.15	-0.53	-0.32	0.11	-0.53	-0.41	-0.39	-0.44	-0.05	-0.87		-0.34
B0035.2	0.17	-0.25	-0.04	-0.07	-0.54	-0.31	-0.13	-0.58	-0.8	-0.29	-0.11	-0.5		-0.35
Y17G9B.9	0.31	-0.1	-0.02	-0.46	-0.32	-0.24	-0.27	-0.38	-0.91	-0.31	-0.17	-0.22		-0.39
D2030.6	0.73	-1.38	-0.83	-1	-1.44	-0.67	-1.15	-1.69		-1.16	-0.69	-1.03		-0.99
ZK1320.9	-0.36	-1.15	-0.85	-0.92	-0.99	-1.07	-0.52	-1	-0.95	-0.91	-0.85	-0.54		-0.96
T21D12.3	0.99	0.1	-0.05	0.49	0	0.1	1.27	-0.18	-0.1	0.37	0.11	0.28		-0.06
E03A3.3	1.33	0.23	0.25	1.17	0.34	0.52	1.17	0.49	0.36	0.77	0.37	0.27	-0.78	0.09
F01D5.2	1.41	0.56	1.41	1.27	-0.09	0.12	1.13	1.27	0.28	0.36	0.62	0.98	-0.37	0.76
ZC455.6a	0.06	0.53	0.04	1.03	0.48	0.65	0.97	0.48	-0.47	0.21	0.48	0.53	-0.14	0.08
C01B10.6b	0.32	-0.3	-0.43	2	1.13	0.77	1.64	0.2	0.68	1.38	-0.52	1.62		-0.8
T20D4.11	0.15	0.09	0.58	1.16	0.14	0.5	1.04	0.16	0.42	1.28	0.38			0.18
B0513.9	-0.48	0.47	0.05	0.54	0.33	-0.05	1.1		0.27	2.26		-0.48	-0.94	-0.37
C48E7.10	0.88	0.83	2.78	1.35	1.27	0.78	2.23	1.29	1.83	2.04	0.7	0.37	0.04	0.79
F40C5.3	-0.1	-0.21	1.84	1.06	0.87	0.69	0.38	0.4	0.49	0.09	-0.13	0.1	-0.53	-0.16
D1086.6	2.83	1.93	3	2.92	4.28	2.24	2.42		1.24	1.62	2.98	0.67	1.01	
Y54E2A.3	0.82	-0.04	0.39	0.61	1.68	0.29	1.06	0.48	0.4	0.16	0.46	-0.3	-0.39	-0.02
T20D3.2	0.76	0.43	0.44	1.75	4.68	1.54	1.97	0.65	1.45	1.73	0.49	0.27	0.63	0.13
C38C10.5b	1.63	0.67	1.47	1.12	2.19	0.93	1.36	2.14	1.88	1.09	-0.09		1.19	-0.45
R10D12.12	0.41	-0.02	-0.06	0.47	1.01	-0.1	0.38	0.48	0.78	-0.12	-0.38	-0.38		-0.54
F54E2.1	1.81	1.63	1.35	1.5	1.87	1.75	1.37	1.1	2.3	0.7	0.32	0.66	1.11	0.52
F27E5.1	0.31	0.18	0.41	0.67	0.38	0.53	0.39	-0.01	1.28	-0.34	-1.23	-1		-1.18
M01E5.6	0.55	-0.06	-0.09	0.98	-0.01	0.58	0.42	0.47	0.96	0.11	-0.91	-0.69		-0.62
T04G9.7	1.27	0.9	0.58	1.2	0.64	0.57	1.38	1.14	0.78	1.31	0.46	0.22	0.68	-0.28
T07F10.2	-0.16	-0.3	-0.23	-0.2	-0.05	-0.06	-0.08	0.03	-0.95	0.04	-0.2	-1.32	-0.35	-2.03
F41H10.7	0	-0.34	-0.08	-0.86	-0.85	-0.71	-0.69	-1.12	-0.67	-0.03	-0.3	-2.33		-1.71
C05D9.5	0.44	0.22	0.31	0.3	0.16	0.35	0.21	0.12	0.33	0.53	0.26	-0.48	-0.43	0.02
C25B8.4	0.77	0.84	1.7	1.3	0.39	0.87	1.81	0.3		0.23	0.61	-1.29	0.24	-0.09
K12H4.7b	-0.04	-0.39	-0.16	-0.17	-0.43	-0.02	0.2	-0.52	-1.74	-1.45	-0.75	-2.15	-1.13	-1.67
C07D10.5	-0.26	0.19	-0.1	0.58	0.3	0.5	0.66	0.26	-0.47	0	-0.31	-0.92	-0.47	-0.51

*F58F9.2>>F58F9.3	-0.29	0.19	-0.43	0.55	0.91	0.24	0.92	0.85		0.47	0.28	-0.03		0.12
F19B2.5	1.64	0.38	1.14	2.65	3.41	2.4	3.04	3.38	2.41	1.17	0.55	2.3	0.9	2.4
elt-2 induced														
CD4.4	0.86	0.92	1.03	0.81	2.24	0.6	1.22	1.09		0.7	-0.84	0.3	-0.79	0.87
D2023.5	0.83	0.6		0.72	1.52		1.05	1.38	0.38	0.46	-0.16	0.43	-0.2	0.08
C42C1.2	0.6	0.06	0.92	0.69	1.5	0.27	0.58	0.95		0.5	-0.39	0.02		-0.02
C16H3.2	-0.41	-0.64	-0.01	0.58	1.04	-0.05	0.01	0.36	-0.14	-0.28	-1.01	-0.45	-0.96	-0.82
Y39G10AR.6		0.09	-0.23	2.19	2.27	1.17	2.08	1.87	0.09		-0.09	-0.16	-0.49	1.01
F11G11.2	2.83	1.67	1.64	2.7	2.53	2	2.57	2.68	0.61	0.67	1.17	1.07	0.42	1.61
T06D4.1	1.17	0.52	-0.65	0.48	1.26	0.24	0.06	1.13		-0.09	-0.65	-0.78	-1.24	-0.36
F13B9.8	0.86	1.09	0.37	1.43	1.26	0.54	1.33	1.74	0.66	0.3	-0.36	0.32	-0.34	0.43
Y55B1BR.3	0.58	0.63	0.21	1.6	0.69	0.78	0.88	1.45		0.49	-0.46	0.27		-0.12
Y73B6BL.9a	-0.33	-0.46	-0.38	0.53	0.04	0.15	0.51	0.64	0.13	-0.08	-0.63	-0.94	-1.53	-0.4
F26H11.2b	-0.25	0.04	-0.04	0.24	0.3	0.27	0.46	0.38	0.44	-0.35	-0.16	-0.36	-1	-0.02
H13N06.5	-0.36	0.04	0.06	0.44	0.26	0.35	0.8	0.36	0.2	-0.38	-0.06	-0.09	-0.82	0.04
M163.3	-1.05	0.12	0.27	0.61	0.28	0.74	0.94	1.11	0.95	0.06	-0.26	-0.05	-0.9	-0.3
Y43C5A.2	0.38	0.28	0.59	1.08	1.11	1.76	0.93	1.31	0.61	0.07	-1.1	0.31	-0.18	-1.14
T25C12.3	-0.36	-0.11	0.09	0.97	0.54	0.88	0.02	0.06	0.74	-0.4	-0.84	-0.11	-0.73	-1.12
C01B10.6a	-0.04	0.41	0.63	1.32	1.48	1.16	1.38	0.85	0.96	0.32	0.55	0.76	0.54	0.27
ZK287.2		0.15	-0.06	1.17	1.3	0.54	1.9	0.97	0.32		0.27	0.37	-0.05	0
ZK892.2	-0.92	-0.67	-1.11	0.34	0.5	-0.22	0.95	0.27		-1.04	-0.26	-0.85	-0.61	-1.01
Y41E3.2		-0.15	-0.95	0.8	0.25	-0.32	1.48	0.04	0.85	-0.62	-0.47	-0.47		-0.69
T05A7.4	-0.09	0.29	0.49	0.82	0.71	0.43	1.62	0.86	0.76	0.55	0.12	-0.19	-0.49	0.11
F40F4.3	0.17	0.62	0.52	1.23	1.02	0.8	1.82	1.1	1.84	0.36	-0.36	-0.22	0.15	0.11
C29F7.2	-0.59	0.12	-0.09	1.31	1.49	0.64	2.2	1.48	1.75		-0.77	-0.59	-0.54	-0.44
Y18D10A.23	0.11	0.45	-0.04	0.42	0.82	0.31	1.47	1.29	1.11		-0.57	-0.45	-0.51	0.19
F54F2.7	0.06	0.37	-0.26	0.24	0.5	0.29	1.02	0.45	0.93	0.26	-0.19	-0.39		-0.1
F35C5.9	-0.19	0.32	0.02	0.9	0.72	1.3	1.19	0.82	1.21	0.37	-0.66	-0.5	0.22	-0.04

C18H9.6	1.03	1.46	1.54	2.33	2.62	2.63	1.8	2.03	2.71		-0.46	-1.22		0.8
F19C7.1	0.3	0.43	0.7	1.63	1.8	1.52	1.36	1.05	1.58	0.62	0.41	-0.34	0.41	0.18
Y22F5A.5	0.44	0.34	-0.5	1.49	1.58	1.37	1.31	0.03	0.9	-0.04	-0.91	-0.59	-0.01	-1.1
VZK822L.1	0.01	0	-0.46	1.7	1.22	0.99	1.9	0.9	1.08	-0.74	-0.8	-0.16	-0.59	-0.76
C28C12.5	-0.01	-0.38	-0.43	1.08	1.05	0.63	1.15	0.53	0.82	-0.8	-1.16	-0.68		-1.06
M02F4.7	-0.5	-0.36	-0.16	2.16	1.87	1.43	1.41	0.6	0.82	-0.97	-1.07	-1.21		-0.72
H34I24.2	0.18	0.47	0.08	1.91	1.86	1.7	2	1.21	1.71	-0.89	-0.36	-1.04	0.26	-1.14
M04G12.2	-0.35	-0.1	-0.29	0.47	0.8	0.48	0.6	0.28	0.26	-1.7	-1.33	-1.42		-1.04
F35E12.7	1.11	1.09	0.65	3.33	2.98	2.89	3.08	1.92	2.47		-1.05	-1.09	-0.68	-0.74
F35E12.6	0.88	0.5	0.66	2.4	1.95	1.92	2.14	1.19	1.5	-0.07	0	-0.99		0.1
K11D2.2	-0.29	-0.33	-0.26	1.01	0.73	0.45	1.3	0.25	0.21	-1.33	-1.11	-1.89		-1.25
F55G11.5	0.28	0.31	0.22	1.6	1.53	1.17	2.03	1.09	0.32	-0.47	-0.54	-0.91		-0.32
C03F11.3	-0.23	0.04	0.15	1.04	0.62	0.42	1.11	0.1	0.24		-0.76	-0.59		-0.62
R06B10.3	0.45	0.98	0.14	1.47	1.33	1	2.58	1.48	0.52	-1.22	-0.66	-0.78	-0.4	-1.13
K06A4.7	0.67	1.24		1.96	1.25	0.46	1.73	0.61	0.63	-0.05	-0.13	-0.76	-0.07	-0.69
F43G6.11a	0.08	0.27	0.39	0.8	0.82	0.16	1.19	0.43	0.1		-0.11	-1.03		-0.41
K11C4.4	0.61	0.48	0.26	1.75	1.17	1.14	2.46	1.6	0.52	0.13	-0.62	0.3	0.46	-0.44
C23H3.3	0.71	0.51	-0.09	0.71	0.88	0.59	0.88	0.68	0.59	0.26	0.04	0.46	0	0.02
C18G1.2		-0.03	-0.68	0.73	0.82	0.32	1.14	0.58	0.76	0.25	-0.45		-0.47	-0.7
C42D4.1	0.93	0.84	0.03	1.49	1.73	1.3	1.73	1.15	1.27	1.02	-0.11	0.49	-0.07	-0.19
ZK6.10	1.48	1.34	1.34	2.85	2.51	2.29	2.65	1.77	2.37	1.86	0.11	1.82	0.55	0.83
T28H10.3	0.8	0.76	0.66	1.99	1.85	1.71	1.79	1.41	1.6	1.22	0.44	1.45	0.31	0.76
C50F7.5	1.15	1.85	0.49	5.97		4.48	5.87	4.13	4.61	1.92	0.15	2.23	0.79	1.17
Y46C8AL.2	-0.06	0.21	-0.33	2.47	2.97	1.93	2.6	0.86	1.2	0.1	-0.03	0.45	-0.9	-0.23
B0554.6	0.42	1.22	1.03	1.81	1.95	1.82	1.82	1.48	1.46	0.81	0.61	1.04	0.39	0.73
C49C8.5	-0.08	0.22	-0.04	1.12	1.4	1.07	1.1	0.82	0.96	-0.28	-0.34	0.07		-0.19
C32H11.12	-0.18	-0.38	-0.34	1.32	1.84	2.06	1.31	1.2	1.62		-1.12		-0.4	-0.88
F35C5.6	-0.21	-0.14	-0.42	1.05			0.95	0.27	0.73	0.4	-0.97	-0.35	-0.5	-0.66
T08A9.12	0.02	0.11	-0.09	2.01	1.88	0.9	2.36	0.94	1.42	1.56	-0.73	-0.14		-0.52

Y47H9C.1		0.18	0.28	2.42	2.92	1.43	2.46	1.58	0.88		-0.59	-0.23	-0.2	-0.75
H02F09.3	0.91	0.33	-0.26	2.14	2.73	1.61	2.01		1.11	0.64	-0.54	0.65		-0.29
F09B9.1	0.34	1.35	-0.13	1.56	1.83	1.23	2.11	1.94	1.5		-0.11	0.9		0.06
C55F2.2	-0.27	0.49	-0.39	1.31	1.34	0.43	1.61	0.96	0.54	0.36	-0.49	0.08		-0.48
F53A9.8	0.83	1.19	0.4	2.87	2.6	1.76	3.27	2.4	1.66	1.63	0.39	1.49	0.44	0.82
ZK1240.3	-0.39	0.02	-0.38	0.66	0.7	0.1	0.6	0.31		-0.09	-0.19	-0.29		-0.24
Y57G7A.11	-0.07	0.08	-0.54	1.7	0.72	0.34	1.75	0.35	0.19	-0.09	-0.47	0.2		-0.41
ZK896.5	0.28	0.08	-0.04	2.24	0.76	0.52	2.14	0.43	0.46	0.28	-0.32	-0.12	-0.42	-0.16
T25D10.4	-0.11	0.2	0.01	2.29	1.31	-0.14	1.67	0.92	0.58	0.35	-1.17	-0.03	-1.17	0.12
F56F10.1	0.56	0.42	0.5	0.68	0.78	0.83	0.7	0.14	0.47	-0.1	-0.86	0.02	-0.98	-0.31
T26C12.3	0.15	-0.08	-0.28	0.86	0.74	0.37	0.33	0.07	0.4	-0.97	-1	-0.33	-1.75	-0.82
T02C5.1	0.2	0.39	-0.04	1.28	1.28	0.98	0.6	0.9	1.24	-0.23	-1.36	0.41		-0.96
F27C8.4	1.26	0.93	0.4	2.06	3.61	2.17	2.08	2.77	2.03	-0.7	-1.43	-0.21		-0.49
H22K11.1	0.34	0.43	0.16	0.83	1.03	0.66	1.01	0.54	0.89	0.2	-1.06	-0.47	-0.85	-1.43
R07E3.1	-0.82	-0.01	0.25	0.57	0.51	-0.07	0.57	0.42	0.4		-1.75	-1.65		-2.1
W04C9.1	-0.96	-0.31	0.04	0.63	0.38	-0.44	1.04	0.44	0.49		-1.67	-0.88		-1.55
Y37E3.16	0.41	0.42	0.07	2.08	2.34	0.06	1.38	1.19	1.09	-0.09	-0.34	0.24		-0.31
R07B1.10	0.13	0.63	0.42	1.7	2.96	1.42	1.18	1.12	2.24	1.25	0.29	0.19	0.87	0.57
T06C10.4	-0.38	0.18	0.16	1.29	2.57	1.38	1.39	1.39	1.12	0.57	0.24	0.39		0.96
T01D3.6b	-1.63	-0.71	-1	1.99	1.36	0.9	0.88	0.17	0.24		-0.15	-1.3	-0.28	-0.5
B0403.3	0.16	0.77	-0.07	1.87	1.57	1.01	1.9	1.07	1.53		-0.11	0.6		1
F01D5.8		0.34	-0.21	1.42	1.57	0.55	1.48	0.78	1.1	0.46	-0.04	0.2		0.69
F53B2.8	0.65	0.82	0.24	3.37	2.91	2.08	2.3	1.98	2.2	1.23	0.74	1.18	1.53	1.89
Y51A2D.13b	-0.37	-0.02	-0.7	2.72	2.6	1.88	2.42	1.98	2.63	0.76	-0.14	0.92	1.17	0.42
Y51A2D.13a	0.05	0.41	-0.27	3.05	2.59	2.22	2.99	2.04	1.76	1.44	0.7	1.99	1.28	0.93
ZC443.5	-0.1	-0.15	-0.34	1.35	1.43	1.36	1.32	0.96	0.93	-0.09	0.01	0.9	0.13	-0.02
F52H3.7a		-0.47	-0.25	1.78	1.54	1.49	1.31	1.22	1.98	0.09	0.37	1.43		0.29
C05A9.1		0.17	0.08	3.26	2.6	2.03	2.35	1.68	1.69	0.18	0.17	1.65	0.13	1.47

*Y51A2B.1 >> C08E8.4	1.49	1.83	0.9	3.06	2.77	2.34	2.71	2.11	2.53		1.97	1.48	1.1	2.48
Y60A3A.18	-0.19	0.15	-0.27	1.64	1.44	0.72	1.45	0.83	1.01	1.78	0.43	0.62	0.23	0.56
C09F12.1	0.7	0.93	0.6	1.69	2.3	1.47	1.9	1.35	1.49	1.73	0.55	0.95	0.39	0.89
Y54G2A.7	-0.08	0.17	0.07	0.92	1.32	0.38	1.37	0.8	0.6		-0.35		-0.52	-0.1
ZK520.2	0.66	0.62	0.29	2.19	2.12	1.22	2.45	1.47	1.57	1.88	-0.02	1.37	0.36	0.57
F45F2.12	-0.28	0.06	0.13	1.41	1.19	0.1	1.51	0.94	1.22	0.93	0.12	0.47	-0.37	0.02
Y74C9A.2	0.29	0.31	0.26	1.32	1.35	0.93	1.37	0.71	0.93	1.3	0.4	0.37	-0.8	0.1
C08E8.4	1.6	1.8	1.01	3.06	2.94	2.73	2.71	1.51	2.32	2.65	1.15	1.54	-0.17	1.94
F31F7.1	0.6	0.03	-0.18	2.57	1.97	1.75	1.55	0.59	2.08	0.99	-1.36	0.24	1.01	0.51
C12D12.1a	-0.75	-0.28	-0.27	0.33	0.24	0.79	0.18	-0.17	0.38	-0.52	-0.34	-0.47	-0.46	-0.44
C07H4.1	0.9	0.35	-0.6	1.03	2.81	2.45	2.25	0.85			-0.23	0.93	-0.13	0.81
ZK6.11	0.98	0.44	0.13	2.13	1.38	1.42	1.34	0.25	0.69	1.03	-0.69	0.1	-0.06	-0.75
W02A2.1	0.78	0.43	0.07	1	0.7	0.72	1.11	0.19	0.49	1.01	-0.4	0.28	-0.45	-0.34
C32H11.4	1.42	0.16	0.55	1.36	1.09	1.75	1.15	0.12	0.87		-0.68		-0.49	-0.37
Y34B4A.6	0.45	0.23	0.57	0.63	0.79	0.85	0.59	0.42	0.88	1.16	0.03	0.23	-0.55	-0.3
F22B3.2	0.86	0.62	-0.26	0.81	0.68	0.3	1.54	0.97	0.84	0.9	-0.57	0.27	-0.41	0.12
T05H4.6a	0.33	0.52	-0.94	0.46	0.57	-0.49	0.99	0.12	0.31	0.13	-1.01	-0.11	-1.01	-0.7
W02F12.4	-0.07	0.38	0.19	0.3	0.39	0.52	0.63	0.46	0.39	0.58	-1.02	-0.38		0.1
R06C1.4	-0.91	-0.1		-0.46	-0.29		-0.47	-0.08	0.06	-0.04	-1.14	-0.83	-0.78	-0.75
Y39G10AR.10	-1.01	-0.16	-0.74	-0.33	-0.35	-0.06	-0.22	0.09	0.37		-1.14	-0.7		-0.98
VW02B12L.1	-0.77	0	-0.36	-0.14	0.1	-0.1	-0.33	0.08	0.33	-0.58	-0.96	-0.7	-0.46	-1.23
C35D10.14	-0.46	0.46	-0.23	0.04	0.95	0.1	0.24	0.1	0.23		-0.83	-0.1		-1.36
Y47G6A.25	0.03	1.65	0.34	0.62	1.34	1.01	0.09	0.63	0.32	0.01	-1.13	0.11	-0.63	-0.33
C07A12.4b	-1.55	0.36	-0.79	-0.52	0.8	1.69	-0.04	-0.35	0.18	-0.46	-1.27	-0.13	-1.42	-1.28
T01G9.2a	-0.31	0.02	-0.15	-0.09	0.32	0.31	0.23	-0.04		0.09	-0.01		-0.59	-0.22
F55G11.7	0.52	0.99	0.72	1.44	1.51	1.45	1.29	1.11	2.51		0.48		-0.18	0.6
JC8.5	0.37	-0.07	-0.55	0.2	1.13	0.03	0.41	-0.1	1.26	-0.39	-0.86	-1.12	-0.52	-0.01

Y51A2D.10	0.13	0.28	0.29	0.74	0.7	0.31	1.04	0.55	1.14	0.4	0.42	-0.52	-0.01	0.49
F08B6.1	-0.04	0.34	0.36	0.22	1	-0.16	0.77	0.16	0.31	-0.03	-0.39	-0.76	-0.34	-0.09
F42F12.3	0.11	0.32	0.22	0.38	0.8	0.2	0.74	0.44	0.24	-0.38	-0.13	-0.86	-0.43	0.19
C34B2.2	0.4	0.23	0.18	0.1	0.56	-0.1	0.35	0.04	0.13	-0.35	0.12	-1.35	-0.61	-0.15
F11G11.1	0.42	0.59	0.47	0.61	0.97	0.78	0.92	0.76	0.85	0.05	0.21	-0.68		0.85
F49E11.10	-0.59	-0.09	-0.13	0.46	0.98	0.65	0.83	0.51	0.65	-1.11	-0.06	-2.68	0.5	0.1
F21F8.3	-0.49	-0.09	-0.06	-0.17	0.26	0.16	0.59	-0.04	0.53	-2.3	-0.55	-2.71	-0.22	-0.28
Y48A6B.7	-0.44	0.36	0.03	0.43	0.93	0.24	0.96	0.52	0.8		-0.28	-1.32		-1.01
T22H2.6b	-0.61	0.01	0.11	-0.01	0.32	-0.02	0.19	0.06		-0.86	-0.18	-1.22		-0.58
ZK1251.2	0.34	1.8	1.06	0.83	1.63	1	1.13	1.33	1.75	0.19	1.22	-0.33	0.87	0.65
C54F6.14	-0.14	0.44	-0.2	0.29	0.7	-0.03	1.08	1.23	0.9	-0.39	-0.33	-0.59		-0.72
Y53F4B.14	0.2	0.41	0.21	0.48	0.6	0.01	1.18	0.86	0.49	-0.03	0.33	-0.48	0.16	-0.27
F22B3.1	0.46	0.13	0.47	1.18	1.35	0.58	1.5	1.22	0.84	0.5	0.56	-0.31	0.63	0.66
F11G11.10	-1.86	-0.27	-0.43	1.49	0.24	-0.11	2.37	0.27	0.43		-0.36	-1.59	-0.39	-0.41
B0491.2		-0.37	-0.62	0.61	-0.04	-0.45	1.29	0.08	-0.12	-1.42	-0.55	-2.24		-1
T12D8.5	0.52	1.17	1.21	2.53	2.14	2.01	2.61	1.61	1.71	0.63	1.6	0.19	1.29	0.13
F46F2.3	-1.91	-1.25	-0.57	-0.68	-0.74	-1.56	-0.67	-0.89	-1.09	-2.45	-1.4	-2.38	-1.82	-2.23
F33E2.5	-0.25	0.1	0.03	-0.06	-0.18	-0.11	0.57	0.07	0.02	-0.31	0.01	-0.77	-0.63	-0.43
elt-2 regulated														
D1054.13	0.12	0.34	0.2	0.97	0.33	0.29	0.08	0.62	0.11	-0.41	0	-0.73	-0.28	-0.48
Y9D1A.2	0.56	0.41	0.37	0.87	0.54	0.6	-0.37	0.7	0.13	-0.14	-0.42	-0.56	-0.6	-0.47
Y9D1A.2	0.56	0.41	0.37	0.87	0.54	0.6	-0.37	0.7	0.13	-0.14	-0.42	-0.56	-0.6	-0.47
ZK973.3	1.02	1.12	1.41	1.37	1.27	0.05	0.01	1.59		0.11	-0.3	0.09	-0.75	-0.13
Y74C10AL.2	0.47	0.38	0.64	0.37	0.49	0.45	0.54	0.55	0.72	0.39	0.48	0.02	-0.59	-0.18
F02E9.7	0.11	0.27	0.05	0.22	0.22	0.29	0.23	0.02	0.27	-0.04	0.29	-0.31	-0.42	-0.32
Y57G11B.5	0.86	0.16	0.1	0.41	0.54	0.3	1.04	0.26	0.47	0.39	0.11	-0.48	0.05	-0.07
M01D1.3	-0.36	-0.64	-0.86	0.53	-0.63	-0.45	0.99	-0.42	-0.51	-0.01	-0.72	-0.92	-0.98	-0.89
K10C9.3	0.8	0.66	0.86	1.66	0.84	0.9	2.42		1.05	1.38		0.18	0.38	0.56
C07B5.5	0.3	0.21	0.01	0.88	0.39	0.44	1.01	0.28	0.63	0.69	0.05	-0.29	0.1	-0.08

K09B11.5	0.51	-0.63	-0.05	0.86	0.24	0.55	1.46	0.16	0.79	0.39	-1.07	-0.85	-0.69	-0.62
F23B2.12	0.93	0.05	0.39	0.92	0.05	-0.08	1.05	-0.06	0.14	0.31	-0.49	-0.42		-0.81
R02C2.1	0.85	-0.29	-0.3	0.85	-0.05	-0.03	0.85	-0.34	0.14	0.1	-0.39	-0.53	-0.45	-0.88
**C29F7.5	1.59	0.48	-0.02	1.57	0.32	0.54	1.58	0.44	0.08		-0.51	-0.5		-0.26
R02C2.2	1.4	0.43	-0.24	1.53	0.3	0.16	2.01	0.65	0.57	0.07	-0.3		-0.5	-0.35
F26H11.5	1.04	0.46	0.23	1.48	1.16	0.65	1.48	0.83	0.43	0.97	-0.01	0.01	0.53	0.1
F26A3.2	0.89	0.68	-0.07	1.05	1.27	0.39	1.94	0.37	-0.24	0.46	-0.44	-0.44	-0.17	-0.21
K02E7.9	0.09	-0.39	-0.48	0.48	0.13	-0.11	0.96		-0.61	-0.12	-1.01	-0.92	-1.34	-0.61
K02E7.9	0.09	-0.39	-0.48	0.48	0.13	-0.11	0.96		-0.61	-0.12	-1.01	-0.92	-1.34	-0.61
B0272.1	0.09	0.22	-0.39	0.35	0.01	0.33	0.94	0.61	-0.21		-0.41	-0.24	-0.72	-0.52
Y46B2A.1	-0.3	0.05	0.06	0.18	-0.15	0.2	0.42	0.14	0.03	-0.15	-0.49	-0.37	-0.8	-0.48
C04F6.3	0.81	0.78	1.17	1.67	0.46	1.13	1.97	1.19	1.1	0.04	-0.05	-0.11	-1.01	-0.13
R01H2.4	0.25	0.31	0.25	0.85	0.24	0.18	1.18	0.56	0.12	-0.29	-0.57			-0.9
F15B10.3	0.48	0	0.7	1.3	0.22	0.57	2.08	0.46	0.27	0.29	0.01			-0.24
F40H6.4	0.59	0.14	0.18	1.54	0.25	0.44	2.18	0.56	0.31	0.27	-0.07	-0.56	-0.56	-0.07
B0284.3	0.19	0.34	0.28	0.78	0.12	-0.01	1.43	0.53	0.48	0.18	0.02	-0.42		-0.07
ZK632.10	0.59	0.51	0.24	1.02	0.75	0.38	1.25	0.85	0.76	0.78	0.41	0.13	-0.83	0.47
C01F6.5	0.67	0.52	-0.24	1.18	0.41	0.4	1.74	0.81	0.66	0.7	-0.08	-0.17		-0.22
F38A5.7	0.25	0.04	-0.11	0.84	0.2	-0.26	1.57	-0.02		0.91	-0.24	-0.42	-0.91	-0.45
ZK858.3	0.41	0.4	0.28	0.63	0.13	0.21	1.04	-0.03	0.6	0.19	0.05	-0.38	-0.83	0.13
F32D1.6	0.77	0.33	-0.02	-0.14	0.39	0.22	0.06	0.28	1.07	-0.07	-0.03	-1.26	-1.47	0.33
Y73B6BL.30	0.38	0.37	0.16	0.15	0.31	0.01	0.12	0.23	0.5	-0.08	0.03	-0.71	-0.88	0.15
C15F1.6	-0.04	-0.26	-0.12	-0.04	-0.02	-0.15	-0.51	-0.4	-0.2	-0.44	-0.52	-1.15	-1.2	-0.38
Y48G1BL.3	-0.07	0.18	0.48	-0.6	-0.25	0.16	-0.51	-0.2	-0.13	-1.47	-0.48	-1.28	-1.76	-0.46
M03D4.1c	-0.13	0.06	-0.23	-0.6	-0.24	0.23	-0.39	-0.01	0.2	-0.65	-0.59	-1.07	-1.25	-0.52
Y51H1A.4	-0.32	0.18	-0.09	-0.33	-0.01	0.25	0.1	0.19	0.04	-0.51	-0.46	-0.91		-0.37
F55A4.1	0	0.14	-0.24	0.01	0.16	0.01	0.3	0	0.09	-0.15	-0.09	-0.53	-0.44	-0.18
C31C9.2	0.07	0.51	0.58	0.35	0.49	0.59	1.04	0.76	0.69	-0.17	-0.03	-0.86		-0.08
C06E1.1	0.07	0.47	0.48	0.5	0.66	0.64	1.24	0.99	0.59	0.24	0.05	-0.52		0.12

C50F4.6	-0.14	0.15	0.05	0.55	0.26	0.16	0.77	0.79	0.28	0.01	-0.35	-1.04		-0.08
R52.10a	1.13	0.68	0.66	1.32	0	1.16	1.66	2.15	1.26	-0.15	-0.39	-0.99	-0.29	0.4
K07D4.3	-0.01	-0.14	-0.46	-0.31	-0.11	-0.06	-0.23	-0.13	-0.27	-0.39	-0.42	-0.91	-0.92	-0.39
C06A8.4	0.35	0.2	-0.15	-0.16	-0.01	0.18	-0.03	0.51	0.17	-0.16	-0.08	-1.1		-0.31
Y62E10A.17	0.52	0.18	0.14	0.47	-0.02	0.27	-0.03	0.19	0.46	-0.53	-0.21	-1.35		-0.03
R07H5.1	0.65	0.44	0.41	0.46	0.52	0.47	0.28	0.42	0.41	-0.17	0.21	-0.7	-0.62	0.3
B0035.1b	0.18	0.18	-0.08	0.03	0.18	0.26	0.22	0.24	0.29	-0.34	-0.16	-0.63	-0.36	-0.01
F36D3.1	0.34	0.41	0.13	-0.22	0.19	0.2	0.25	0.4	0.22	-0.38	-0.31	-1.22	-0.77	-0.22
T02G5.7	-0.48	-0.41	-0.32	-0.88	-0.61	-0.59	-0.49	-0.4	-0.22	-1.32	-1.07	-1.64	-1.27	-0.83
C32F10.6	0.14	0.39	0.77	0.46	0.61	0.95	0.54	0.56	0.69	-0.46	0.21	-1.12		-0.12
B0281.5	0.14	0.2	0.39	0.89	0.15	0.7	0.96	0.47	0.62	-0.31	0.02	-1.5		-0.36
T13F2.8	0.87	0.77	1.38	0.95	0.74	1.71	1.82	1.14	1.68	0.29	0.28	-0.81	-0.86	-0.15
C01G6.3	1.04	0.54	0.96	0.71	0.4	1.13	1.15	0.69	0.65	-0.33	0.04	-1.02	-0.52	0.04
B0410.2a	0.53	0.43	0.66	0.4	0.12	0.59	0.39	0.43	0.31	-0.08	0.1	-0.35	-0.26	0.03
T05H10.4	0.06	0.26	0.18	0.24	-0.19	0.84	0.27	0.59	0.1	-0.52	-0.24	-1.35	-1.02	-0.23
F22F4.2	-0.03	-0.15	-0.03	0.15	-0.22	0.44	0.1	0.34	0.15	-0.44	-0.44	-0.72	-1.36	-0.52
F28D1.2	-0.04	0.14	0.03	0.67	-0.13	0.45	0.55	0.77	0.24	-0.51	-0.56	-1.12		-0.52
B0303.14	0.34	0.39	0.06	0.54	0.36	0.72	0.46	0.37	0.17		-0.37	-0.41		-0.21
Y48G10A.1	0.29	0.14	0.15	0.13	0.39	0.69	0.37	0.17	0.09	0.01	-0.27	-0.75	-0.59	-0.55
W02B12.2	0.79	0.12	0.39	0.33	0.3	0.74	0.93	0.64	0.46	0.05	-0.48	-0.6	-1.01	-0.06
F44F1.7	0.41	0.4	0.21	0.67	0.07	0.55	0.42	0.4	0.69	-0.35	-0.78	-0.9	-1.09	-0.66
C35E7.1	0.95	0.36	0.35	0.76	0.04	0.67	0.62	0.4	0.71	-0.29	-0.84	-0.81	-0.45	-0.31
C44B9.3	1.06	0.6	0.33	0.79	0.33	0.56	0.99	0.69	0.14	0.17	-0.04	-0.47		-0.19
R52.1	1.2	0.45	0.45	1.2	0.48	0.92	1.62	0.82	0.36	0.2	-0.54	-0.71		-0.67
EEED8.4	0.99	0.18	0.36	0.88	0.51	0.51	1.38	0.49	0.6	-0.02	-0.56			-0.46
Y47D7A.1	1.22	0.45	0.59	1.6	0.57	0.86	1.68	0.9	1.19	0.29	-0.15	-1.37	-0.32	-0.14
Y47D7A.1	1.22	0.45	0.59	1.6	0.57	0.86	1.68	0.9	1.19	0.29	-0.15	-1.37	-0.32	-0.14
W09G12.1	1.59	0.85	1.02	1.96	0.78	1.4	2.48	1.27	1.56	0.82	0.02	-0.73	-0.57	0.23
F33H2.3	0.69	0.36	0.15	0.8	0.2	0.64	0.68	0.58	0.57	0.06	-0.38	-0.85	-0.15	-0.23

F58B3.9	0.1	0.41	-0.2	0.82	0.43	0.54	1.35	0.71	0.46	-0.65	-0.98	-1.33	-0.99	-0.96
F35C8.5	0.4	0.33	0.17	0.6	0.88	0.42	1.15	0.68	0.71	-0.15	-0.38			-0.38
ZC64.2	1.32	0.37	0.15	0.37	0.99	-0.26	1.06	-0.17	-0.03	-0.46	-0.76	-1.46	-1.22	-0.6
Y67H2A.8	0.23	-0.25	-0.37	-0.39	-0.4	0.01	-0.13	-0.4	-0.33	-0.28	-0.9	-1.25	-0.81	-0.69
Y62E10A.14	0.29	-0.19	-0.47	-0.52	-0.41	-0.18	-0.28	-0.26	-0.5	-0.61	-0.71	-1.05		-0.71
T12A2.7	0.64	0.18	-0.14	-0.12	-0.08	0.01	-0.29	0.12	-0.22	-0.19	-0.54	-0.75	-0.87	-0.31
Y43C5A.5	0.93	0.65	0.62	0.45	0.34	0.64	0.55	0.45	0.35	0.27	0.01	-0.34	-0.32	0.33
Y39A1A.7	0.5	0.46	0.12	0.16	0.44	0.35	0.59	0.47	0.46	-0.24	0.14	-0.18	-0.45	0.17
Y39G8B.2	0.5	0.8	0.11	0.18	0.34	-0.11	0.69	0.61			-0.22	-0.72	-0.97	0.23
ZK287.5	0.62	0.57	0.48	0.14	0.51	0.1	0.88	0.8	0.51	0.14	0.39	-0.63	-0.71	0.3
C06A1.5	0.32	0.32	0	-0.2	0.09	0.24	0.56	0.28	0.35	0	0.16	-0.8	-0.91	0.05
M110.3	0.51	0.39	0.3	-0.01	0.19	0.11	0.45	0.14	0.15	-0.05	-0.08	-0.87	-0.59	0.06
C29A12.1	0.93	0.56	0.33	0.34	0.32	0.31	0.86	0.5	0.46	0.28	0.17	-0.85	-0.36	0.22
Y110A2AR.1	1.12	0.57	0.29	0.19	0.38	0.29	0.63	0.27	0.5	0.16	0.11	-0.91	-0.59	0.12
C48B4.7	1.76	0.95	0.75	1.08	0.73	0.55	1.48	0.95	0.8	0.94	0.26	-0.17	-0.15	0.46
Y65B4BR.8	0.47	0.15	-0.14	0.15	-0.26	-0.07	0.54	0.05	-0.11	0	-0.23	-1.1	-0.71	-0.18
C34C12.8	0.69	0.5	-0.01	0.33	0.26	0.21	0.77	0.36	0.16	0.22	-0.07	-0.66	-0.55	-0.03
C28H8.1	0.75	0.55	0.28	0.47	0.19	0.25	1.27	0.63	0.41	0.36	0.21	-0.7	-0.86	0.25
K12C11.2	0.49	0.28	0.35	0.28	-0.04	-0.03	0.5	0.35	0.23	0.01	-0.01	-0.69	-0.86	0.08
ZK863.6	0.09	-0.1	-0.48	-0.11	-0.22	-0.55	0.21	-0.2	-0.09	-0.1	-0.43	-1	-1.49	-0.57
Y32H12A.4	0.22	0.01	0.01	0.04	0.2	-0.12	0.28	0.06	0.32	0.21	-0.05	-0.6	-0.88	-0.12
C34D4.4	0.33	0.56	0.07	0.43	0.1	0.16	0.73	0.17	0.06	0.23	0.24	-0.59	-0.61	-0.15
Y104H12D.1	0.8	0.56	0.41	0.46	0.51	0.01	1.23	0.63	0.14	0.04	0.33	-0.27	-0.55	0
Y48E1C.2	0.83	0.41	-0.05	0.48	0.41	0.3	0.82	0.13	0.32	-0.04	-0.15	-0.26	-0.62	-0.21
Y106G6A.5	0.49	-0.14	-0.25	0.5	0.11	0.17	0.45	-0.15	-0.06	-0.24	-0.21	-0.6	-0.97	-0.17
R02D3.8	0.59	0.25	-0.17	0.92	0.65	0.37	0.64	0.44	0.47	-0.13	-0.17	-0.54	-0.67	-0.23
F37B4.10	0.79	0.58	0.06	0.77	0.6	0.38	0.48	0.52	0.36		-0.08	-0.53		-0.08
F54E12.1	0.99	0.74	0.3	1.16	0.92	0.32	0.85	0.61	0.82	0.54	0.02	0.03	-0.97	0.21
ZK177.6	0.4	0.08	-0.17	0.27	-0.2	0.34	-0.13	0.04	0.1	-0.27	-0.45	-0.24	-1.41	-0.41

C18E3.2	0.02	-0.19	-0.34	-0.16	-0.35	0.06	-0.05	-0.3	-0.14	-0.32	-0.71	-0.57	-1.49	-0.48
C15H11.4	0.78	0.41	0.21	0.46	0.55	0.51	0.41	0.46	0.67	0.42	-0.03	-0.02	-0.85	0.28
F35C11.5	0.63	-0.01	0.04	0.05	-0.01	0.13	0.03	-0.31	-0.28	-0.32	-0.14	-1.06	-1.91	-0.43
Y45F10A.2	0.73	-0.02	-0.12	-0.15	-0.21	0.09	-0.15	-0.54	-0.5	-0.5	-0.32	-0.85	-2.78	-0.43
Y45F10C.3	0.8	0.03	-0.17	-0.42	-0.35	0.16	-0.04	-0.41	-0.7	-0.2	-0.5	-0.54	-1.98	-0.96
Y73B6BL.2	0.65	0.29	-0.08	0.03	-0.05	0.08	0.48	-0.21	-0.26	0.07	-0.42	-0.57		-0.21
F58A4.3	1.48	0.61	0.22	0.63	0.43	0.57	1.04	0.65	-0.16	0.49	0.15	-0.37	-0.9	0.15
C34F6.4	0.87	0.43	0.37	0.18	0.16	0.05	0.38	0.18	0.14		-0.39	-0.25	-0.81	-0.29
C01H6.4	0.61	0.08	0.09	0.01	-0.1	-0.04	0.14	-0.09	-0.27		-0.33	-0.68	-0.92	-0.31
F14H3.6	1.29	0.6	0.35	0.75	0.38	0.52	0.85	0.41	0.43	0.61	0.21	-0.47	-1.12	0.14
Y106G6H.6	0.85	0.24	-0.03	0.28	-0.14	0.1	0.21	-0.23	0.13	0.19	-0.28	-0.48	-0.83	-0.38
F57F5.1	0.25	-0.71	-0.91	-0.07	-0.71	-0.42	-0.59	-1.05	-0.86	0.02	-1.46	-2.07	-2.13	-1.64
Y57G11C.33	0.68	0.65	0.36	0.39	0.41	0	0.62	0.37	0.06	0.41	0.21	-0.11	-0.94	-0.17
T21C9.4	2.24	2.37	1.56	1.58		1.42	2.91	2.12	1.2	1.41	0.69	1.19	-0.94	
Y87G2A.9	0.75	0.45	0.06	0.44	0.58	0.26	1.03	0.5	0.51	0.58	-0.09	0.12	-1.1	0.02
C02B10.4	0.73	0.02	-0.26	-0.08	-0.14	0.08	0.31	0.09	0.35	0.12	-0.32	-0.73		-0.55
Y38F2AR.1	0.97	0.68	0.24	0.79	0.47	0.84	1.1	0.64	0.9	0.72	0.33	0.28	0.1	0.21
R07E5.3	0.54	0.47	-0.65	0.43	0.11	0.3	0.54	0.33	0.12	0.15	-0.32	-0.26	-1.23	-0.55
F09D1.1	0.08	0.28	-0.44	-0.01	-0.06	0.01	-0.13	0	0.01		-0.47	-0.66		-0.45
Y43F4B.6	1.02	0.78	-0.08	0.35	0.1	0.46	-0.09	0.35	0.5	-0.1	-0.14	-0.17	-0.97	-0.16
K07A1.12	0.37	-0.11	-0.62	-0.14	-0.36	-0.01	-0.17	-0.24	0.26	-0.44	-0.94	-0.6	-0.84	-0.56
C13C4.4	1.14	0.59	0.62	0.54	0.01	0.4	0.91	0.77	0.31	0.13	-0.5	-0.05	-0.2	-0.22
F57C9.1b	0.53	0.39	0.35	-0.08	-0.08	0.03	0.2	0.16	-0.07	0.11	-0.19	-0.41	-0.5	-0.47
F33A8.4	0.03	-0.02	-0.48	-0.33	-0.4	-0.19	-0.38	-0.24	-0.28		-1.02	-0.62	-0.93	-0.93
F54D5.2	0.74	0.29	-0.19	-0.02	-0.01	0.09	0.1	-0.09	-0.32		-0.73		-0.67	-0.8
Y48G1A.3	0.64	0.39	-0.02	0.18	0.05	0.03	0.3	0.05	-0.06	-0.04	-0.32	-0.35	-0.39	-0.7
T13B5.3	1.3	1.77	1.16	1.82	1.44	0.93	1.72	0.97	1.18	0.77	-0.27	-0.03	0.54	0.14
Y49E10.16	0.98	0.59	-0.05	0.49	0.28	-0.08	0.83	-0.12	0.2		-1.46	-1.57	-0.34	-1.42
T08A9.9	1.39	1.24	-0.01	1.4	0.71	0.38	1.57	0.31	0.78	0.64	-1.26	-0.59	-1.08	-1.33

ZC262.2a	0.76	0.49	0	0.73	0.46	0.34	0.58	0.43	0.47	0.63	0.07	-0.03	-0.13	0.01
F35H8.4	0.36	-0.33	-0.34	-0.06	-0.21	-0.4	0.01	-0.37	-0.49	0.17	-0.67	-0.68	-1	-1.06
F09E5.8	0.54	-0.18	-0.26	-0.13	-0.19	-0.31	0.35	-0.15	-0.29	0.2	-0.64	-0.67	-0.64	-0.76
Y6B3B.5	0.32	0.1	-0.12	-0.11	0.36	-0.08	0.38	0.24	-0.08		-0.38	-0.4	-0.49	-0.5
Y66D12A.7	0.88	0.6	0.37	0.55	0.53	0.09	0.81	0.57	-0.01	0.53	0.03	-0.33	-0.47	-0.27
Y54G2A.5	1.21	1.08	0.24	0.95	1.05	0.13	1.38	0.76	0.68	0.98	0.09	-0.13	-0.06	-0.05
F43E2.2	0.46	0.17	-0.28	0.35	0.12	-0.05	0.96	0.27	0.07	0.35	-0.61	-1.04	-0.41	-0.66
F56A11.5	0.76	0.49	0.01	0.49	0.29	0.33	0.81	0.81	0.16	0.57	-0.16	-0.44		0.04
C54G6.5	0.62	-0.3	-0.81	-0.92	-1.78	-2.2	-0.09	-1.86	-1.86		-2.66	-3.53	-2.39	-3.09
T07A9.13	0.78	0.83	0.21	0.21	0.07	0.03	0.99	0.16	-0.16	-0.24	-0.02	-0.87	-0.55	-0.46
ZK686.4	0	-0.03	-0.17	-0.25	-0.14	-0.31	0.12	-0.18	-0.2	-0.61	-0.59	-1.32		-0.68
T07C4.4	0.31	0.42	0.2	-0.4	-0.11	-0.44	0.53	0.16	-0.66		-2.21		-1.33	-2.3
Y119D3B.13	0.38	0.83	0.29	-0.25	0.24	-0.46	0.4	-0.01	0.16	-0.66	-1.23	-0.99		-1.5
R02F2.4	0.61	1.43	1	0.88	0.87	0.62	0.65	0.77	0.33	0.22	-0.45	-0.01	-0.73	-0.01
F08C6.6	-0.1	0.18	-0.28	0.13	0	-0.39	0.35	0.15	-0.08	-0.18	-0.13	-0.41	-0.91	-0.52
R13F6.1	0.78	0.75	0.86	1.01	0.28	-0.25	1.28	0.61	0.89	0.46	-0.02	-0.39	-0.25	-0.45
ZK6.7b	1.06	0.54	0.45	-0.83	-1.08	-0.96	-0.64		-0.46	-1.43	0.33	-3.12	-1.46	-2.36
K07B1.4	0.24	0.05	0.55	0.07	0.03	0.02	0.12	-0.18	0.04	-0.47	0.21	-0.78	-0.49	-0.24
K03H6.2	0.59	-0.25	0.15	0.12	-0.44	-0.08	0.29	-0.69	-0.43	-1.07	-0.24	-1.66	-0.52	-1.06
W02B12.1	0.27	0.22	0.16	0.58	0.1	0.64	0.4	-0.28	0.99		-0.03	-1.57	-0.24	-0.48
K12H4.7a	-0.3	-0.94	-0.38	0.05	-0.47	0.16	0.1	-0.91	0.89	-1.12	-0.91	-1.66		-1.53
F54D5.4	0.46	-0.04	-0.07	1.32	1.08	-0.06	1.48	-0.17	2.24	-1.24	-0.85	-2.62	-0.8	-1.27
F52E1.5	1.01	0.29	0.76	1.24	1.57	0.81	1.31	0.87	0.56	-0.06	-0.89	-0.91		-0.62
W06B3.1		-0.16	0.17	0.24	0.41	0.2	0.15	0.01	0.38		-0.41	-0.6	0.03	-0.54
Y51H4A.24	0.36	0.68	1.1	0.5	0.58	0.82	0.34	0.27	0.56		0.17	-0.42		-0.18
C25B8.3a	0.22	0.39	0.71	0.22	0.46	0.77	-0.57	-0.21	0.12		-1.33	-2.75	-0.61	-1.48
F32D8.9	0.22	0.42	0.6	0.6	0.46	0.19	0.54	-0.1	0.36	-0.4	-0.23	-1.29	0.2	-0.51
F42A10.6	0.09	0.34	0.06	0.53	0.49	0.13	0.4	-0.19	0	-1.09	-0.72		-0.2	-1.5
T08A9.7	0.27	0.18	0.02	0.84	0.29	-0.13	1.01	0.01	0.41	-0.99	-0.84	-1.93	-0.54	-1.43

K09F5.3a	-0.08	0.06	-0.25	-0.03	-0.31	-0.85	0.71	-0.12	-0.03	-2.41	-1.85	-2.71	-0.69	-1.93
ZK1320.2	0.44	0.22	0.52	0.91	0.8	0.6	0.92	0.44	1.1	-2.9	-1.68	-3.38	-0.39	-1.94
C17G1.3	-0.14	0.01	0	-0.06	0.62	0.59	0.03	0.08	-0.22	-1.32	-1.02	-1.82		-1.08
T21H3.1	0.82	0.81	-0.01	0.4	1.88	0.42	0.59	-0.25	0.75	-3.08	-2.07	-4.53	-1.8	-2.59
C25B8.3b	0.5	-0.01	0.11	0.25	0.03	-0.12	-0.38	-0.77	-0.74	-3.67	-2.83	-3.22	-2.65	-2.58
ZK896.7	1.46	1.13	1.2	1.36	0.99	0.92	0.59	-0.11	0.23		-0.78		-0.86	-1.42
Y22F5A.4	0.8	0.37	0.3	1.86	1.43	1.29	1.09	-0.25	0.06	-2.39	-1.33	-2.04	-0.79	-1.67
R09H10.5	-0.31	-0.25	-0.29	1.07	0.35	0.37	0.3	-0.08	-0.21		-1.14	-1.53	-0.63	-1.62
C26B9.5	-0.14	-0.09	0	0.43	0.34	0.32	0.3	-0.24	0.17	-1.75	-0.19	-1.47	-0.61	-0.83
R11H6.1	-0.07	-0.22	-0.28	-0.18	-0.09	-0.39	-0.11	-0.58	-0.19		-0.98	-1.34	-0.72	-1.31
Y45G12C.2	-0.04	0.02	-0.11	-0.07	-0.1	-0.76	0.17	-0.79	0.13	-1.33	-1.1	-1.75		-1.77
C52E4.1	-0.49	-0.87	-0.89	-1.13	-1.54	-1.85	-1.15	-1.56			-2.79	-3.52	-1.85	-3.68
Y54G2A.6	0.2	-0.1	-0.27	-1.59	-1.09	-0.61	-0.82	-1.54	-1.4	-2.96	-1.9	-2.38	-2.42	-2.5
ZK6.7a	1.06	0.16	0.51	-0.65	-1	-0.62	-0.69	-1.26	-0.71	-1.8	-1.6	-3.32	-2.38	-2.29
Y4C6B.6	0.59	-0.06	-0.03	-0.81	-1.38	-0.87	-0.89	-1.14	-1.16		-1.85		-1.63	-2.3
D2096.3	0.69	0.5	0.54	-0.68	-0.33	-0.09	-0.31	-0.36	0.05	-0.9	-1.01	-1.14	-0.69	-1.02
K08D8.5	1.61	1.31	1.76	-0.2	0.94	0.7	0.02	0.32	1.09		-1.29		-0.21	-1.48
C14C6.2	0.47	0.7	0.13	-0.94	0.26	-0.23	-0.62	-0.13	0.2		-1.32	-1.78		-1.59
F13D12.6	-0.16	0.29	-0.12	-0.94	-0.51	-0.37	-0.76	-1	-0.62	-2.63	-2.05	-2.36	-1.8	-2.37
T24B8.5	1.37	1.43	1.52	-0.01	0.32	0.26	-0.13	-0.47	-0.03		-2.99	-3.94	-1.7	-2.83
Y54F10AM.8	-0.62	-0.29	-0.47	-0.63	-0.45	-0.58	-0.55	-0.56	-0.62	-1.32	-1.34	-1.82		-1.76
F55C5.4	0.27	0.36	0.1	0.01	-0.16	0.39	-0.01	0.07	0.11	-0.28	-0.19	-0.48	-0.37	-0.51
R12B2.4	0.47	0.53	-0.08	0.45	0.04	0.23	0.23	0.29	0.17	0.01	0.11	-0.5	-0.31	-0.54
D1007.10	0.61	0.37	-0.02	0.22	0.3	0.16	0.42	0.43	0.01	-0.01	0.22	-0.34	-0.19	-0.15
R05H5.3	1.22	0.87	-0.18	0.34	0.89	0.78	0.71	2.13	0.6	0.27	0.32	-1.3	-0.03	-0.99
T04H1.5	1.45	1.14	0.01	1.03	1.3	0.08	0.71	1.56	1.01	1.13	0.18	-0.31	0.09	-0.43
Y39B6A.1	0.03	-0.02	-0.06	-0.23	0.6	-0.63	-0.44	0.51	0.33	-0.52	-1.76	-1.5	-0.4	-1.45
F42G9.1b	0.27	0.12	-0.05	0.15	0.11	0.06	-0.15	0.4	0.32		-0.67	-0.52		-0.53
F32H5.1	0.61	0.69	0.31	0.04	0.46	0.3	-0.05	0.48	0.66		-1.06	-0.46		-0.97

R57.1	0.47	0.36	0.1	-0.12	0.17	0.21	-0.75	0.06	0.4		-1.55	-0.86	-0.66	-1.43
F09G2.8	1.29	0.78	1.18	0.63	0.89	0.7	0.37	1.51	0.68	0.54	-0.54	-0.39	-0.34	0.23
T18H9.2	0.19	0.8	1.88	-0.32	0.36	0.77	-0.2	-0.58			-2.91	-1.21	-1.89	-1.83
F59B1.2	0.37	0.34	0.75	-0.22	0.28	-0.54	-0.07	-0.22	0.18	0.66	-1.13	-0.75		-2.14
F22F4.4	0.1	0.74	1.31	0.14	0.69	-0.11	0.35	-0.15	0.34	0.51	-0.21	-0.61	-0.59	-0.58
R12H7.2	0.88	0.46	0.27	0.27	-0.39	-0.02	0.3	-0.58	0.6	-0.26	-0.28	-0.61	-0.68	-1.02
Y32F6A.1	2.09	1.04	0.65	1.12	0.38	0.63	0.31		1.37	-0.08	-0.41	-0.28	-1.22	-0.24
F59D8.2	-0.36		-1.23	-1.14	-1.86		-1.91	-1.95	-0.61	-2.33	-2.03	-2.78	-3.11	-2.26
W01A11.5	0.2	0.35	0.52	0.43	0.19	0.76	0.5	0.74	0.82		0.67	-0.6	-0.18	0.24
Y48G1A.2	0.31	0.03	2.09	0.97	0.31	1.3	0.54	0.92	1.53	0.43	0.46	-0.81		0.67
C35E7.5a	0.22	0.08	0.34	0.78	0.03	0.92	0.17	0.9	1.25	-0.04	-0.17	-0.55	0.18	-0.1
C41C4.7a	0.5	0.39	0.74	0.56	1.73	2.11	0.44	1.06	1.41	0.6	-0.59	-0.17	0.17	0.26
Y38F2AR.2	-0.53	0.14	-0.24	-1.01	0.32	1.47	-0.75	0.85	1.35	-1.02	-0.01	-2.2	-1.26	0.02
F23H11.9	0.22	0.18	0.57	0.28	0.82	2.61	0.38	1.32	1.75	0.11	0.12	-0.35	-0.24	0.37
F01F1.12b	-0.25	-0.33	0.46	0.74	0.63	0.65	0.2	0.67		-0.49	-0.56	-0.58	-0.81	0.09
F27C1.2	0.16	0.53	0.49	0.54	1.07	0.77	0.42	1.02	0.72	-0.03	0.35	-0.29	0.01	0.44
C02A12.4	1.88		2.57	1.11	3.61	3.12	0.84	3.75	3.71	-0.53	1.28	0.36	0.07	1.26
C06H2.6		0.87	2.1	0.83	1.09	2	0.96	2.19		-0.05	0.21	0.49	-0.44	0.9
T03D3.5	1.2	0.11	2.42	0.75	1.28	1.18	0.4	2.56	2.74	0.28	-0.23	0.38	-0.28	0.31
F28B4.3	-0.55	0.33	0.83	0.56	1.15		-0.02	2.29		-0.07	-0.6	-0.25	-0.93	-0.84
F23F12.9b	-0.55	0.12	0.58	0.2	0.17	0.52	-0.09	0.65	0.88	-0.08	-0.7	-0.85		-0.48
Y71G12B.12	0.57	-0.13	1.53	0.55	1.55	0.44	0.04	1.85	1.93	0.48	0.74	0.1	-0.13	-0.22
Y43E12A.3	1.95	1.01	2.11	0.53	2.23	0.25	0.81	0.71	2.15	-0.36	0.4	0.21	-1.31	0.39
T07C12.7	2.44	0.25	1.65	-0.27	1.62	0.93	0.9	1.29	1.46	-0.73	-1.84	-0.38		0.35
C27H6.2	1.14	0.63	1.08	0.54	2.05	1.16	2.78	2.3	1.98	0.11	-0.42	0.22	0.45	1.01
F53F4.10	0.72	0.22	1.94	0.89	2.27	1.17	1.78	1.46	1.68	0.79	0.17	0.15	-0.58	1.64
K01G5.4	1.08	1.49	2.76	0.35	2.92	1.06	1	2.15	1.02	0.51	0.13	0.14	0.31	-0.48
F54C8.5	0.26	1.74	2.19	0.76	1.74	1.08	0.89		0.73	0.48	0.57	0	-0.22	0.46

Y62H9A.5	1.11	2.59	2.66	0.64	2.67	2.33	1.01	3.05	1	0.55	0.63	-1.08	0.42	0.8
F33D4.4	-0.04	0.89	0.68	-0.1	0.24	0.58	0.38	0.56	0.29	-0.15	-0.31	-0.51		-0.49
K11G12.6	-0.41	0.26	0.29	0.14	0.62	0.15	0.1	0.2	0.12	-0.38	-0.06	-0.31	-1.02	-0.18
F42F12.7	0.24	1.36	0.82	1.33	2.39	1.34	1.3	1.18	1.13	1	1.26	-0.48	0.42	0.81
F25D7.1	-0.09	0.23	0.04	0.21	0.42	0.53	0	0.03	0.18	-0.06	0.24	-0.64	-0.29	-0.18
F55A11.1	-0.22	0.45	-0.31	-0.05	0.55	0.31	-0.35	0.24	-0.21	-0.22	0.03	-0.5	-0.6	-0.58
R74.4	0.32	0.5	0.18	0.31	0.74	0.81	1.26	1.21	0.51	0.39	0.42	0.61	-0.49	-0.3
F21E9.4	0.59	-0.5	-0.33	-0.66	-0.2	-0.05	-0.16	-0.21	0.71	-0.26	-0.46	-0.67	-0.91	-1.73
Y119D3B.11	1.55	0.71	0.51	1.57		1.43	1.05	0.99		0.86	-0.55	0.63	0.45	0.9
Y105C5B.13	0.27	-0.02	-0.24	0.17	0.43	0.37	0.1	-0.08	0.4	0.21	-0.6	-0.4	0.26	0.14

WS- automatic worm sorting

HP - hand picked, date included

*Genes recognized by Microarray probes were identified according to earlier Wormbase releases. Genes that have since changed their identification (as observed in Wormbase release WS220) are marked.

**Recent versions of Wormbase split C29F7.5 to two genes, C29F7.5 and C29F7.10. It is impossible to know which of the two was recognized by our microarray probe

Table S3. MAST analysis.

Random genes:

adm-2	C04E6.11	C04G6.7	C05D11.8	C06A1.4	C06C6.1	C06G4.1	C07G1.2
ain-1	C04E6.12	C04H4.1	C05D11.9	C06A1.6	C06C6.6	C06G4.4	C07G1.6
amt-1	C04E6.13	C04H5.7	C05D12.1	C06A12.3	C06C6.7	C06G4.t1	C07G1.7
amt-4	C04E6.3	C05A9.2	C05D12.2	C06A12.8	C06C6.8	C06G8.1	C07G3.10
aos-1	C04E6.4	C05A9.3	C05D12.3	C06A5.1	C06C6.9	C06G8.3	C07G3.8
arrd-20	C04E6.5	C05B5.1	C05D12.4	C06A5.10	C06E1.1	C06H2.2	C07H4.1
arrd-21	C04E6.7	C05B5.2	C05D12.5	C06A5.2	C06E1.11	C06H2.3	C07H6.2
arrd-25	C04E6.8	C05B5.4	C05D2.10	C06A5.3	C06E1.3	C06H2.6	C07H6.4
atf-7	C04E7.1	C05B5.5	C05D2.11	C06A5.4	C06E1.7	C06H2.7	C07H6.9
atp-5	C04E7.3	C05B5.8	C05D2.3	C06A5.5	C06E1.9	C06H5.6	C08A9.2
bas-1	C04E7.4	C05C10.2	C05D2.6	C06A5.6	C06E2.1	C06H5.7	C08A9.3
bath-15	C04E7.t1	C05C10.3	C05D2.8	C06A5.8	C06E2.2	C07A12.2	C08A9.6
bath-33	C04F1.1	C05C10.5	C05D9.3	C06A6.2	C06E2.5	C07A12.7	C08A9.8
bath-44	C04F12.1	C05C10.7	C05D9.4	C06A6.4	C06E4.1	C07A4.2	C08A9.9
btb-15	C04F12.5	C05C12.1	C05D9.7	C06A6.5	C06E4.2	C07A4.3	C08B11.3
C03H5.6	C04F12.6	C05C12.4	C05D9.9	C06A6.7	C06E4.3	C07A9.10	C08B11.6
C03H5.7	C04F12.7	C05C12.5	C05E11.2	C06A8.1	C06E4.4	C07A9.2	C08B11.8
C04A11.1	C04F12.8	C05C12.6	C05E11.3	C06A8.2	C06E4.5	C07A9.5	C08B11.9
C04A11.2	C04F12.t1	C05C8.1	C05E11.6	C06A8.3	C06E4.6	C07A9.8	C08B6.10
C04A11.5	C04F2.t1	C05C8.2	C05E11.7	C06A8.6	C06E4.8	C07A9.9	C08B6.11
C04A11.t1	C04F5.2	C05C8.5	C05E4.12	C06A8.8	C06E4.t1	C07B5.2	C08B6.2
C04A2.t1	C04F5.8	C05C8.6	C05E4.7	C06B3.1	C06E7.2	C07B5.3	C08B6.3
C04B4.1	C04F5.9	C05C8.7	C05E7.1	C06B3.6	C06E7.4	C07B5.4	C08B6.4
C04B4.2	C04F6.2	C05C8.8	C05E7.2	C06B3.7	C06E8.5	C07B5.6	C08B6.5
C04B4.4	C04G2.10	C05C9.1	C05E7.3	C06B8.11	C06G1.1	C07C7.1	C08B6.6
C04B4.5	C04G2.11	C05C9.2	C05E7.4	C06B8.2	C06G1.2	C07D10.1	C08B6.7
C04B4.6	C04G2.2	C05C9.3	C05E7.t1	C06B8.3	C06G1.5	C07D10.5	C08B6.8
C04C11.1	C04G2.3	C05C9.t1	C05E7.t2	C06B8.7	C06G1.t1	C07D8.2	C08C3.4
C04C3.3	C04G2.5	C05C9.t2	C05E7.t3	C06B8.t1	C06G1.t2	C07D8.5	C08D8.1
C04C3.4	C04G2.8	C05D10.1	C05G5.1	C06B8.t2	C06G1.t3	C07D8.6	C08E3.1
C04C3.6	C04G2.9	C05D10.2	C05G5.2	C06B8.t3	C06G1.t4	C07E3.10	C08E3.13
C04C3.7	C04G6.10	C05D10.4	C05G5.3	C06C3.3	C06G3.3	C07E3.3	C08E8.1
C04E12.10	C04G6.11	C05D11.1	C05G5.4	C06C3.4	C06G3.4	C07E3.4	C08E8.2
C04E12.2	C04G6.2	C05D11.10	C05G5.5	C06C3.5	C06G3.5	C07E3.6	C08E8.3
C04E12.4	C04G6.4	C05D11.13	C05G6.t1	C06C3.7	C06G3.6	C07E3.8	C08E8.4
C04E12.5	C04G6.5	C05D11.5	C06A1.2	C06C3.8	C06G3.8	C07E3.9	C08E8.5
C04E12.6	C04G6.6	C05D11.7	C06A1.3	C06C3.9	C06G3.9	C07F11.2	C08E8.6

C08E8.t1
C08E8.t2
C08E8.t3
C08F1.10
C08F1.6
C08F1.8
C08F11.1
C08F11.10
C08F11.11
C08F11.12
C08F11.13
C08F11.14
C08F11.2
C08F11.3
C08F11.6
C08F11.7
C08F8.2
C08F8.3
C08F8.6
C08F8.9
C08G5.1
C08G5.3
C08G5.5
C08G5.6
C08G9.1
C08G9.2
C08H9.1
C08H9.10
C08H9.11
C08H9.12
C08H9.13
C08H9.14
C08H9.15
C08H9.2
C08H9.3
C08H9.4
C08H9.6
C08H9.7
C08H9.8
C08H9.9
C09B7.2
C09B7.3
C09B7.4
C09B8.3
C09B8.4
C09B8.5
C09B8.8
C09B9.1
C09B9.2
C09B9.3
C09B9.4
C09B9.7
C09B9.t1
C09D4.1
C09D4.2
C09D4.3
C09D4.4
C09D4.6
cct-5
cdc-48.1
ceh-52
cgh-1
cht-1
ckk-1
clec-147
clec-162
clec-89
clh-5
clk-2
clp-1
cls-1
cogc-2
cpg-1
cux-7
cyp-35C1
daf-4
dgk-1
dhs-27
dis-3
dnj-5
dyf-3
egl-27
egl-27
egl-27
egl-38
egl-5
egl-5
fbxa-155
fbxa-156
fbxa-157
fbxa-158
fbxa-159
fbxa-160
fbxa-161
fbxa-162
fbxa-163
fbxa-164
fbxa-165
fbxa-166
fbxa-98
fbxb-13
fbxb-9
fbxc-48
fce-1
fip-3
fipr-16
fkb-3
flp-12
folt-1
gck-4
gcy-27
gcy-29
gcy-32
gei-6
gei-7
glb-2
glb-3
glr-1
glr-4
grd-9
gtl-1
ham-2
hda-2
hgrs-1
hsp-25
hsp-25
hyls-1
ife-4
ikb-1
ins-9
ipp-5
irg-1
klp-18
lact-6
let-7
let-721
let-756
lgc-9
lig-4
lim-7
lin-39
lip-1
lips-2
lmp-2
lnp-1
mab-5
math-2
math-3
math-4
mboa-4
mel-11
mel-32
mir-268
mir-271
mir-83
mog-4
mpk-2
msp-36
msp-55
mvb-12
nas-4
nas-7
ncx-6
ncx-7
nhr-105
nhr-150
nhr-35
nhr-50
nhr-50
nhr-63
nhr-67
nhr-76
nlp-41
npr-17
nrf-6
nuc-1
oac-3
oig-1
old-1
pac-1
pak-1
pak-1
pct-1
pdi-2
pept-2
pfd-1
pgp-5
pho-10
pho-11
pld-1
pph-1
pqn-10
pqn-8
prk-1
prk-1
pro-2
ptp-3
rap-3
rgs-1
rha-2
rnf-1
rnh-1.3
rpb-6
rpl-14
rpl-19
rpl-38
rte-1
sams-3
sams-4
sap-49
scrm-3
sdz-2
ser-7
set-3
sid-1
sir-2.4
skr-17
snt-6
snx-1
sod-3
sor-3
spdl-1
spe-27
spr-3
srab-1
srab-2
srab-3
srbc-2
srbc-35
srbc-4
srd-15
srd-16
srd-7
sre-3
srh-2
srh-218
srh-219
srh-221
srh-229
srh-230
srh-267
srh-39
srh-48
srh-79
sri-4
srj-24
srj-25
srp-1
srp-2
srsx-18
sru-21
srv-17
srw-21
srx-121
srx-42
srxa-18
srxa-5
srz-29
srz-60
stdh-1
stdh-3
stip-1
str-133
str-134
str-20
str-21
str-22
str-225
str-226
str-227
str-228
str-231
str-233
str-250
str-252
str-262
str-264
sup-21
tag-170
tbc-6
tiar-3
tin-9.1
tlk-1
tmd-2
tol-1
trxr-1
try-2
ttr-39
ubc-21
ubc-22
ubh-4
ufd-3
ugt-17
ugt-22
ugt-60
ugt-63
ugt-64
unc-46
unc-78
unc-89
unc-89
unc-94
vit-5
vps-16
wht-1
wsp-1
xnd-1
zig-4
ztf-30
zyg-11

Table S3, continued. MAST analysis.

MAST analysis on random genes:

Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence	Distance from transcription start site (bp)
C09B7.2	+	995	1000	0.000352	0.251	TGATAA	5
C05B5.1	−	989	994	0.000352	0.251	TGATAA	11
C06E4.4	+	989	994	0.000352	0.251	TGATAA	11
C06B8.3	+	984	989	0.000352	0.251	TGATAA	16
C06B8.t2	−	984	989	0.000352	0.251	TGATAA	16
C05C8.6	+	981	986	0.000352	0.251	TGATAA	19
C09B9.4	−	981	986	0.000352	0.251	TGATAA	19
C06C6.2	+	978	983	0.000352	0.251	TGATAA	22
C05B5.5	+	977	982	0.000352	0.251	TGATAA	23
C05C9.t1	+	977	982	0.000352	0.251	TGATAA	23
C06A1.4	−	973	978	0.000352	0.251	TGATAA	27
C05D10.1	−	972	977	0.000352	0.251	TGATAA	28
C07B5.5	+	971	976	0.000352	0.251	TGATAA	29
C04A11.3	+	965	970	0.000352	0.251	TGATAA	35
C08F11.8	−	965	970	0.000352	0.251	TGATAA	35
C06B8.t2	−	964	969	0.000352	0.251	TGATAA	36
C05C8.1	+	963	968	0.000352	0.251	TGATAA	37
C06G4.4	+	963	968	0.000352	0.251	TGATAA	37
C07A9.8	−	962	967	0.000352	0.251	TGATAA	38
C06C6.7	−	959	964	0.000352	0.251	TGATAA	41
C07B5.5	+	959	964	0.000352	0.251	TGATAA	41
C08F11.8	+	956	961	0.000352	0.251	TGATAA	44
C04G2.4	+	955	960	0.000352	0.251	TGATAA	45
C08H9.13	−	954	959	0.000352	0.251	TGATAA	46
C06B3.3	+	953	958	0.000352	0.251	TGATAA	47
C07E3.2	−	953	958	0.000352	0.251	TGATAA	47
C08B6.1	−	952	957	0.000352	0.251	TGATAA	48
C07D8.6	−	947	952	0.000352	0.251	TGATAA	53
C06A5.1	−	946	951	0.000352	0.251	TGATAA	54
C07B5.5	+	946	951	0.000352	0.251	TGATAA	54
C07G1.4	−	944	949	0.000352	0.251	TGATAA	56
C08B6.10	−	944	949	0.000352	0.251	TGATAA	56
C06E2.2	−	941	946	0.000352	0.251	TGATAA	59
C04G2.3	+	940	945	0.000352	0.251	TGATAA	60
C08F11.8	−	938	943	0.000352	0.251	TGATAA	62

C05C12.1	−	937	942	0.000352	0.251	TGATAA	63
C05D12.4	−	936	941	0.000352	0.251	TGATAA	64
C08E8.t2	−	936	941	0.000352	0.251	TGATAA	64
C06G4.t1	−	934	939	0.000352	0.251	TGATAA	66
C07A9.6	−	934	939	0.000352	0.251	TGATAA	66
C07H4.2	−	933	938	0.000352	0.251	TGATAA	67
C06G1.t2	+	932	937	0.000352	0.251	TGATAA	68
C08F11.4	+	932	937	0.000352	0.251	TGATAA	68
C05D9.2	−	931	936	0.000352	0.251	TGATAA	69
C07A12.5	−	931	936	0.000352	0.251	TGATAA	69
C04H5.3	−	929	934	0.000352	0.251	TGATAA	71
C05B5.2	+	928	933	0.000352	0.251	TGATAA	72
C04H5.1	−	927	932	0.000352	0.251	TGATAA	73
C04F12.6	+	924	929	0.000352	0.251	TGATAA	76
C05D10.1	−	922	927	0.000352	0.251	TGATAA	78
C04F6.6	+	921	926	0.000352	0.251	TGATAA	79
C06H2.6	−	921	926	0.000352	0.251	TGATAA	79
C05E7.t1	+	920	925	0.000352	0.251	TGATAA	80
C04F5.1	−	919	924	0.000352	0.251	TGATAA	81
C08E3.7	−	918	923	0.000352	0.251	TGATAA	82
C04G6.5	+	917	922	0.000352	0.251	TGATAA	83
C06B3.10	−	916	921	0.000352	0.251	TGATAA	84
C04E6.9	+	915	920	0.000352	0.251	TGATAA	85
C05C9.2	−	914	919	0.000352	0.251	TGATAA	86
C08B6.6	+	914	919	0.000352	0.251	TGATAA	86
C04E12.5	−	913	918	0.000352	0.251	TGATAA	87
C08F11.13	−	913	918	0.000352	0.251	TGATAA	87
C05E4.4	+	911	916	0.000352	0.251	TGATAA	89
C08D8.2	−	910	915	0.000352	0.251	TGATAA	90
C06A5.5	−	909	914	0.000352	0.251	TGATAA	91
C05C10.1	−	908	913	0.000352	0.251	TGATAA	92
C06B3.2	−	908	913	0.000352	0.251	TGATAA	92
C06E2.2	+	907	912	0.000352	0.251	TGATAA	93
C05E11.4	−	906	911	0.000352	0.251	TGATAA	94
C04E12.9	−	905	910	0.000352	0.251	TGATAA	95
C06A6.4	−	905	910	0.000352	0.251	TGATAA	95
C04E6.6	+	903	908	0.000352	0.251	TGATAA	97
C05D2.10	−	903	908	0.000352	0.251	TGATAA	97
C08B11.6	+	903	908	0.000352	0.251	TGATAA	97
C06G1.4	−	900	905	0.000352	0.251	TGATAA	100

C08B6.11	+	900	905	0.000352	0.251	TGATAA	100
C08F8.9	+	898	903	0.000352	0.251	TGATAA	102
C07D8.6	−	897	902	0.000352	0.251	TGATAA	103
C05E4.2	+	895	900	0.000352	0.251	TGATAA	105
C09D4.5	+	895	900	0.000352	0.251	TGATAA	105
C04G2.2	−	892	897	0.000352	0.251	TGATAA	108
C05D10.3	+	891	896	0.000352	0.251	TGATAA	109
C08H9.8	+	891	896	0.000352	0.251	TGATAA	109
C08H9.6	+	890	895	0.000352	0.251	TGATAA	110
C06A6.5	+	888	893	0.000352	0.251	TGATAA	112
C06E7.4	−	888	893	0.000352	0.251	TGATAA	112
C08F11.3	−	888	893	0.000352	0.251	TGATAA	112
C08F1.5	−	886	891	0.000352	0.251	TGATAA	114
C08H9.14	+	886	891	0.000352	0.251	TGATAA	114
C08F1.7	−	884	889	0.000352	0.251	TGATAA	116
C06C6.5	+	883	888	0.000352	0.251	TGATAA	117
C06B3.3	−	882	887	0.000352	0.251	TGATAA	118
C08H9.8	−	882	887	0.000352	0.251	TGATAA	118
C07A9.11	−	880	885	0.000352	0.251	TGATAA	120
C04F2.5	+	876	881	0.000352	0.251	TGATAA	124
C04F6.1	+	875	880	0.000352	0.251	TGATAA	125
C05D2.8	+	874	879	0.000352	0.251	TGATAA	126
C04F1.1	+	871	876	0.000352	0.251	TGATAA	129
C08E3.1	−	871	876	0.000352	0.251	TGATAA	129
C08E3.5	−	871	876	0.000352	0.251	TGATAA	129
C05C12.5	+	870	875	0.000352	0.251	TGATAA	130
C08B11.5	−	869	874	0.000352	0.251	TGATAA	131
C04C11.t1	+	868	873	0.000352	0.251	TGATAA	132
C08E8.4	+	868	873	0.000352	0.251	TGATAA	132
C08F11.3	−	868	873	0.000352	0.251	TGATAA	132
C04G2.5	−	867	872	0.000352	0.251	TGATAA	133
C08F1.5	+	865	870	0.000352	0.251	TGATAA	135
C05D2.8	−	864	869	0.000352	0.251	TGATAA	136
C08H9.10	−	864	869	0.000352	0.251	TGATAA	136
C08E3.4	−	862	867	0.000352	0.251	TGATAA	138
C08E3.9	−	862	867	0.000352	0.251	TGATAA	138
C05G5.4	+	861	866	0.000352	0.251	TGATAA	139
C08A9.9	−	861	866	0.000352	0.251	TGATAA	139
C08E3.11	−	861	866	0.000352	0.251	TGATAA	139
C08E3.6	−	859	864	0.000352	0.251	TGATAA	141

C05E4.7	−	856	861	0.000352	0.251	TGATAA	144
C07G1.5	−	856	861	0.000352	0.251	TGATAA	144
C05D2.8	+	854	859	0.000352	0.251	TGATAA	146
C08E8.4	−	853	858	0.000352	0.251	TGATAA	147
C08B11.4	−	851	856	0.000352	0.251	TGATAA	149
C09B9.t1	−	848	853	0.000352	0.251	TGATAA	152
C04A11.1	+	846	851	0.000352	0.251	TGATAA	154
C07A9.4	−	846	851	0.000352	0.251	TGATAA	154
C08E3.5	−	846	851	0.000352	0.251	TGATAA	154
C05E4.7	−	845	850	0.000352	0.251	TGATAA	155
C08E3.8	−	845	850	0.000352	0.251	TGATAA	155
C08H9.3	−	845	850	0.000352	0.251	TGATAA	155
C04F12.4	+	843	848	0.000352	0.251	TGATAA	157
C05C10.4	−	841	846	0.000352	0.251	TGATAA	159
C04F5.6	−	838	843	0.000352	0.251	TGATAA	162
C05C9.3	+	838	843	0.000352	0.251	TGATAA	162
C08F1.4	+	835	840	0.000352	0.251	TGATAA	165
C06A1.5	+	834	839	0.000352	0.251	TGATAA	166
C07G3.8	−	834	839	0.000352	0.251	TGATAA	166
C08E3.4	−	834	839	0.000352	0.251	TGATAA	166
C05B5.5	+	830	835	0.000352	0.251	TGATAA	170
C08F8.1	−	830	835	0.000352	0.251	TGATAA	170
C05C10.3	+	829	834	0.000352	0.251	TGATAA	171
C05E4.1	−	829	834	0.000352	0.251	TGATAA	171
C08D8.1	+	829	834	0.000352	0.251	TGATAA	171
C04F6.2	+	827	832	0.000352	0.251	TGATAA	173
C04E12.11	−	826	831	0.000352	0.251	TGATAA	174
C04B4.4	−	824	829	0.000352	0.251	TGATAA	176
C04G2.11	−	823	828	0.000352	0.251	TGATAA	177
C08F8.1	+	823	828	0.000352	0.251	TGATAA	177
C07A12.3	+	822	827	0.000352	0.251	TGATAA	178
C04H5.3	−	821	826	0.000352	0.251	TGATAA	179
C08E3.6	−	820	825	0.000352	0.251	TGATAA	180
C04E7.1	+	819	824	0.000352	0.251	TGATAA	181
C08D8.1	+	819	824	0.000352	0.251	TGATAA	181
C05C9.t1	−	818	823	0.000352	0.251	TGATAA	182
C08B6.11	+	817	822	0.000352	0.251	TGATAA	183
C08F8.9	+	815	820	0.000352	0.251	TGATAA	185
C08F8.6	−	813	818	0.000352	0.251	TGATAA	187
C04E12.11	−	812	817	0.000352	0.251	TGATAA	188

C06H5.7	−	812	817	0.000352	0.251	TGATAA	188
C06C3.6	−	810	815	0.000352	0.251	TGATAA	190
C06H5.6	−	809	814	0.000352	0.251	TGATAA	191
C08H9.15	−	809	814	0.000352	0.251	TGATAA	191
C06E1.6	−	806	811	0.000352	0.251	TGATAA	194
C05D11.1	+	804	809	0.000352	0.251	TGATAA	196
C06C6.7	+	803	808	0.000352	0.251	TGATAA	197
C06A6.4	+	801	806	0.000352	0.251	TGATAA	199
C06C3.5	+	801	806	0.000352	0.251	TGATAA	199
C08H9.13	+	799	804	0.000352	0.251	TGATAA	201
C08E8.1	−	798	803	0.000352	0.251	TGATAA	202
C05D11.8	+	797	802	0.000352	0.251	TGATAA	203
C05D9.9	−	794	799	0.000352	0.251	TGATAA	206
C05E4.7	+	790	795	0.000352	0.251	TGATAA	210
C06B8.2	+	790	795	0.000352	0.251	TGATAA	210
C08H9.7	+	790	795	0.000352	0.251	TGATAA	210
C04A11.3	−	789	794	0.000352	0.251	TGATAA	211
C05D11.2	+	789	794	0.000352	0.251	TGATAA	211
C04E12.5	−	785	790	0.000352	0.251	TGATAA	215
C07G3.2	+	785	790	0.000352	0.251	TGATAA	215
C05D10.1	−	781	786	0.000352	0.251	TGATAA	219
C06B8.11	−	780	785	0.000352	0.251	TGATAA	220
C07H6.3	−	778	783	0.000352	0.251	TGATAA	222
C08F8.6	+	776	781	0.000352	0.251	TGATAA	224
C08F8.2	+	772	777	0.000352	0.251	TGATAA	228
C09D8.1	−	772	777	0.000352	0.251	TGATAA	228
C05C10.1	+	771	776	0.000352	0.251	TGATAA	229
C07E3.5	+	770	775	0.000352	0.251	TGATAA	230
C04E6.2	−	769	774	0.000352	0.251	TGATAA	231
C04E12.9	+	767	772	0.000352	0.251	TGATAA	233
C06A1.3	+	764	769	0.000352	0.251	TGATAA	236
C07A9.3	−	763	768	0.000352	0.251	TGATAA	237
C09B9.1	+	763	768	0.000352	0.251	TGATAA	237
C05C10.1	+	762	767	0.000352	0.251	TGATAA	238
C05C12.3	−	762	767	0.000352	0.251	TGATAA	238
C06G3.1	−	759	764	0.000352	0.251	TGATAA	241
C07E3.9	−	759	764	0.000352	0.251	TGATAA	241
C04E6.5	+	758	763	0.000352	0.251	TGATAA	242
C04F6.4	−	755	760	0.000352	0.251	TGATAA	245
C07D10.1	−	755	760	0.000352	0.251	TGATAA	245

C05C8.9	−	753	758	0.000352	0.251	TGATAA	247
C06A5.1	+	753	758	0.000352	0.251	TGATAA	247
C06H2.2	−	753	758	0.000352	0.251	TGATAA	247
C06E1.3	−	748	753	0.000352	0.251	TGATAA	252
C08F11.5	+	744	749	0.000352	0.251	TGATAA	256
C04A11.t1	+	743	748	0.000352	0.251	TGATAA	257
C08F8.9	+	743	748	0.000352	0.251	TGATAA	257
C04D8.1	−	741	746	0.000352	0.251	TGATAA	259
C05E11.5	−	740	745	0.000352	0.251	TGATAA	260
C08E3.8	−	736	741	0.000352	0.251	TGATAA	264
C09D4.5	−	736	741	0.000352	0.251	TGATAA	264
C06A6.6	−	735	740	0.000352	0.251	TGATAA	265
C06A1.4	−	734	739	0.000352	0.251	TGATAA	266
C06E1.5	−	734	739	0.000352	0.251	TGATAA	266
C04F6.2	−	733	738	0.000352	0.251	TGATAA	267
C05C10.4	+	729	734	0.000352	0.251	TGATAA	271
C05G5.3	−	727	732	0.000352	0.251	TGATAA	273
C08B11.2	−	727	732	0.000352	0.251	TGATAA	273
C06A1.4	−	725	730	0.000352	0.251	TGATAA	275
C04G6.3	+	724	729	0.000352	0.251	TGATAA	276
C06B3.6	+	724	729	0.000352	0.251	TGATAA	276
C08F11.5	+	724	729	0.000352	0.251	TGATAA	276
C04F2.3	−	723	728	0.000352	0.251	TGATAA	277
C05D9.7	+	720	725	0.000352	0.251	TGATAA	280
C05D10.4	+	717	722	0.000352	0.251	TGATAA	283
C08B11.9	−	716	721	0.000352	0.251	TGATAA	284
C08H9.15	−	714	719	0.000352	0.251	TGATAA	286
C07D10.1	−	713	718	0.000352	0.251	TGATAA	287
C05E4.5	+	712	717	0.000352	0.251	TGATAA	288
C04D8.1	−	709	714	0.000352	0.251	TGATAA	291
C06A5.9	−	709	714	0.000352	0.251	TGATAA	291
C05G6.1	−	707	712	0.000352	0.251	TGATAA	293
C06G3.5	+	706	711	0.000352	0.251	TGATAA	294
C07D8.6	+	706	711	0.000352	0.251	TGATAA	294
C06B3.7	+	702	707	0.000352	0.251	TGATAA	298
C05C8.3	+	701	706	0.000352	0.251	TGATAA	299
C05G6.1	+	701	706	0.000352	0.251	TGATAA	299
C04G6.1	+	700	705	0.000352	0.251	TGATAA	300
C06B3.4	−	700	705	0.000352	0.251	TGATAA	300
C06A5.11	−	699	704	0.000352	0.251	TGATAA	301

C05E4.12	−	696	701	0.000352	0.251	TGATAA	304
C05D11.12	−	695	700	0.000352	0.251	TGATAA	305
C08B6.2	−	694	699	0.000352	0.251	TGATAA	306
C05D2.11	+	693	698	0.000352	0.251	TGATAA	307
C06E1.5	−	693	698	0.000352	0.251	TGATAA	307
C06B3.7	+	691	696	0.000352	0.251	TGATAA	309
C08F1.8	+	690	695	0.000352	0.251	TGATAA	310
C05G6.1	+	688	693	0.000352	0.251	TGATAA	312
C08F11.11	−	688	693	0.000352	0.251	TGATAA	312
C08G5.2	−	686	691	0.000352	0.251	TGATAA	314
C09D8.1	−	683	688	0.000352	0.251	TGATAA	317
C08E3.10	−	681	686	0.000352	0.251	TGATAA	319
C05E7.t3	−	680	685	0.000352	0.251	TGATAA	320
C08B6.5	−	677	682	0.000352	0.251	TGATAA	323
C04A2.7	−	676	681	0.000352	0.251	TGATAA	324
C06C3.3	−	676	681	0.000352	0.251	TGATAA	324
C04F5.2	+	675	680	0.000352	0.251	TGATAA	325
C08F8.9	−	673	678	0.000352	0.251	TGATAA	327
C04F2.t1	−	671	676	0.000352	0.251	TGATAA	329
C07F11.1	−	671	676	0.000352	0.251	TGATAA	329
C05E7.t2	−	669	674	0.000352	0.251	TGATAA	331
C05C12.3	−	668	673	0.000352	0.251	TGATAA	332
C09B7.2	+	668	673	0.000352	0.251	TGATAA	332
C06C3.7	−	667	672	0.000352	0.251	TGATAA	333
C06H5.1	+	667	672	0.000352	0.251	TGATAA	333
C05C8.1	−	666	671	0.000352	0.251	TGATAA	334
C06B8.11	+	666	671	0.000352	0.251	TGATAA	334
C05D12.1	+	662	667	0.000352	0.251	TGATAA	338
C04G6.2	−	660	665	0.000352	0.251	TGATAA	340
C06C3.3	−	659	664	0.000352	0.251	TGATAA	341
C08C3.3	+	658	663	0.000352	0.251	TGATAA	342
C06A6.4	−	657	662	0.000352	0.251	TGATAA	343
C07F11.1	−	655	660	0.000352	0.251	TGATAA	345
C08E3.7	−	654	659	0.000352	0.251	TGATAA	346
C08F11.11	+	654	659	0.000352	0.251	TGATAA	346
C04G6.11	−	653	658	0.000352	0.251	TGATAA	347
C08E8.1	−	653	658	0.000352	0.251	TGATAA	347
C04F5.3	+	650	655	0.000352	0.251	TGATAA	350
C07A9.11	+	650	655	0.000352	0.251	TGATAA	350
C06E7.6	−	649	654	0.000352	0.251	TGATAA	351

C06H2.1	+	649	654	0.000352	0.251	TGATAA	351
C07A9.9	−	649	654	0.000352	0.251	TGATAA	351
C05D12.1	−	648	653	0.000352	0.251	TGATAA	352
C07B5.2	+	647	652	0.000352	0.251	TGATAA	353
C04E6.10	−	646	651	0.000352	0.251	TGATAA	354
C06B8.2	−	644	649	0.000352	0.251	TGATAA	356
C08B6.3	+	643	648	0.000352	0.251	TGATAA	357
C08F11.9	−	642	647	0.000352	0.251	TGATAA	358
C07B5.4	+	639	644	0.000352	0.251	TGATAA	361
C08F8.6	−	638	643	0.000352	0.251	TGATAA	362
C05D12.1	−	637	642	0.000352	0.251	TGATAA	363
C06G1.1	+	637	642	0.000352	0.251	TGATAA	363
C05C9.t1	+	635	640	0.000352	0.251	TGATAA	365
C05E11.2	+	633	638	0.000352	0.251	TGATAA	367
C06A5.11	−	633	638	0.000352	0.251	TGATAA	367
C06A5.7	+	632	637	0.000352	0.251	TGATAA	368
C05D11.13	+	629	634	0.000352	0.251	TGATAA	371
C08F11.12	−	629	634	0.000352	0.251	TGATAA	371
C06B8.10	+	628	633	0.000352	0.251	TGATAA	372
C07A9.9	−	627	632	0.000352	0.251	TGATAA	373
C08E3.4	−	625	630	0.000352	0.251	TGATAA	375
C04C11.1	+	624	629	0.000352	0.251	TGATAA	376
C07B5.6	−	624	629	0.000352	0.251	TGATAA	376
C07G1.1	+	624	629	0.000352	0.251	TGATAA	376
C04F6.1	−	622	627	0.000352	0.251	TGATAA	378
C05E4.14	+	621	626	0.000352	0.251	TGATAA	379
C06A8.2	+	619	624	0.000352	0.251	TGATAA	381
C08B6.11	−	617	622	0.000352	0.251	TGATAA	383
C05D2.4	−	616	621	0.000352	0.251	TGATAA	384
C05A9.1	−	613	618	0.000352	0.251	TGATAA	387
C04G6.11	−	612	617	0.000352	0.251	TGATAA	388
C06A12.5	+	611	616	0.000352	0.251	TGATAA	389
C06E2.8	+	610	615	0.000352	0.251	TGATAA	390
C08F11.4	−	605	610	0.000352	0.251	TGATAA	395
C06E4.6	−	603	608	0.000352	0.251	TGATAA	397
C06A12.8	−	602	607	0.000352	0.251	TGATAA	398
C04E12.7	+	600	605	0.000352	0.251	TGATAA	400
C06A6.3	+	600	605	0.000352	0.251	TGATAA	400
C06C6.6	+	599	604	0.000352	0.251	TGATAA	401
C05E11.7	−	597	602	0.000352	0.251	TGATAA	403

C08B11.3	+	597	602	0.000352	0.251	TGATAA	403
C08F1.3	−	596	601	0.000352	0.251	TGATAA	404
C05C12.4	+	595	600	0.000352	0.251	TGATAA	405
C07A9.3	−	595	600	0.000352	0.251	TGATAA	405
C08A9.1	+	593	598	0.000352	0.251	TGATAA	407
C07D10.1	−	592	597	0.000352	0.251	TGATAA	408
C06B3.3	+	590	595	0.000352	0.251	TGATAA	410
C04G6.2	+	585	590	0.000352	0.251	TGATAA	415
C07A12.5	−	585	590	0.000352	0.251	TGATAA	415
C06B3.8	−	584	589	0.000352	0.251	TGATAA	416
C04C3.1	+	583	588	0.000352	0.251	TGATAA	417
C06A5.4	−	582	587	0.000352	0.251	TGATAA	418
C08E8.2	+	582	587	0.000352	0.251	TGATAA	418
C04G2.3	+	581	586	0.000352	0.251	TGATAA	419
C06C3.8	+	578	583	0.000352	0.251	TGATAA	422
C07G1.2	+	575	580	0.000352	0.251	TGATAA	425
C06A8.1	−	572	577	0.000352	0.251	TGATAA	428
C08F8.5	−	572	577	0.000352	0.251	TGATAA	428
C05E4.10	−	567	572	0.000352	0.251	TGATAA	433
C08B6.11	−	565	570	0.000352	0.251	TGATAA	435
C08E3.11	+	565	570	0.000352	0.251	TGATAA	435
C08H9.8	+	564	569	0.000352	0.251	TGATAA	436
C06E7.4	−	563	568	0.000352	0.251	TGATAA	437
C08E3.2	+	561	566	0.000352	0.251	TGATAA	439
C04C3.6	−	560	565	0.000352	0.251	TGATAA	440
C09B8.3	−	560	565	0.000352	0.251	TGATAA	440
C04E6.5	−	556	561	0.000352	0.251	TGATAA	444
C05C12.3	−	556	561	0.000352	0.251	TGATAA	444
C05C10.3	+	553	558	0.000352	0.251	TGATAA	447
C06H5.2	+	551	556	0.000352	0.251	TGATAA	449
C06B3.1	+	546	551	0.000352	0.251	TGATAA	454
C05E4.1	+	545	550	0.000352	0.251	TGATAA	455
C05G5.4	+	543	548	0.000352	0.251	TGATAA	457
C06A12.5	+	543	548	0.000352	0.251	TGATAA	457
C05D2.4	+	542	547	0.000352	0.251	TGATAA	458
C08E8.6	−	542	547	0.000352	0.251	TGATAA	458
C07B5.3	+	541	546	0.000352	0.251	TGATAA	459
C07A9.8	−	540	545	0.000352	0.251	TGATAA	460
C05C9.t2	+	538	543	0.000352	0.251	TGATAA	462
C06E1.1	+	537	542	0.000352	0.251	TGATAA	463

C08B6.1	+	537	542	0.000352	0.251	TGATAA	463
C06A8.7	+	536	541	0.000352	0.251	TGATAA	464
C05E11.5	−	535	540	0.000352	0.251	TGATAA	465
C08E8.2	−	535	540	0.000352	0.251	TGATAA	465
C08F1.5	+	535	540	0.000352	0.251	TGATAA	465
C05D2.4	+	534	539	0.000352	0.251	TGATAA	466
C04A11.4	−	533	538	0.000352	0.251	TGATAA	467
C04F12.10	−	530	535	0.000352	0.251	TGATAA	470
C06E4.4	+	530	535	0.000352	0.251	TGATAA	470
C04F2.1	−	526	531	0.000352	0.251	TGATAA	474
C07G1.6	+	525	530	0.000352	0.251	TGATAA	475
C08E3.2	+	522	527	0.000352	0.251	TGATAA	478
C05D11.8	−	520	525	0.000352	0.251	TGATAA	480
C06A5.9	+	516	521	0.000352	0.251	TGATAA	484
C05E11.3	−	515	520	0.000352	0.251	TGATAA	485
C05D2.11	−	508	513	0.000352	0.251	TGATAA	492
C04F5.6	−	503	508	0.000352	0.251	TGATAA	497
C07G1.1	−	500	505	0.000352	0.251	TGATAA	500
C05D2.1	+	496	501	0.000352	0.251	TGATAA	504
C06E4.8	+	494	499	0.000352	0.251	TGATAA	506
C07G3.2	+	493	498	0.000352	0.251	TGATAA	507
C08A9.6	−	493	498	0.000352	0.251	TGATAA	507
C08B6.9	−	491	496	0.000352	0.251	TGATAA	509
C08E8.t1	+	490	495	0.000352	0.251	TGATAA	510
C07E3.1	+	485	490	0.000352	0.251	TGATAA	515
C05G5.4	+	481	486	0.000352	0.251	TGATAA	519
C04E6.2	+	476	481	0.000352	0.251	TGATAA	524
C09D4.3	−	476	481	0.000352	0.251	TGATAA	524
C06A5.2	+	474	479	0.000352	0.251	TGATAA	526
C06B3.11	−	474	479	0.000352	0.251	TGATAA	526
C04G6.11	−	472	477	0.000352	0.251	TGATAA	528
C07B5.6	−	471	476	0.000352	0.251	TGATAA	529
C06A1.5	−	468	473	0.000352	0.251	TGATAA	532
C07H6.5	−	468	473	0.000352	0.251	TGATAA	532
C08E3.3	−	462	467	0.000352	0.251	TGATAA	538
C04E6.2	+	461	466	0.000352	0.251	TGATAA	539
C05E11.3	−	461	466	0.000352	0.251	TGATAA	539
C08E8.2	−	461	466	0.000352	0.251	TGATAA	539
C05D12.5	−	460	465	0.000352	0.251	TGATAA	540
C04C11.2	−	459	464	0.000352	0.251	TGATAA	541

C05C9.t1	+	458	463	0.000352	0.251	TGATAA	542
C04F12.10	+	455	460	0.000352	0.251	TGATAA	545
C04A11.1	+	453	458	0.000352	0.251	TGATAA	547
C08F1.1	−	453	458	0.000352	0.251	TGATAA	547
C05C8.5	−	452	457	0.000352	0.251	TGATAA	548
C07B5.5	+	451	456	0.000352	0.251	TGATAA	549
C06A12.4	+	449	454	0.000352	0.251	TGATAA	551
C08H9.1	−	449	454	0.000352	0.251	TGATAA	551
C05C12.5	−	447	452	0.000352	0.251	TGATAA	553
C06H5.6	+	446	451	0.000352	0.251	TGATAA	554
C07G2.1	+	446	451	0.000352	0.251	TGATAA	554
C08C3.3	−	445	450	0.000352	0.251	TGATAA	555
C09E7.1	−	445	450	0.000352	0.251	TGATAA	555
C04B4.2	+	444	449	0.000352	0.251	TGATAA	556
C08B6.11	+	443	448	0.000352	0.251	TGATAA	557
C05D11.9	−	442	447	0.000352	0.251	TGATAA	558
C06E4.8	−	442	447	0.000352	0.251	TGATAA	558
C05C8.3	−	439	444	0.000352	0.251	TGATAA	561
C05E7.t2	+	439	444	0.000352	0.251	TGATAA	561
C08F11.2	+	439	444	0.000352	0.251	TGATAA	561
C07B5.6	−	436	441	0.000352	0.251	TGATAA	564
C08F1.2	−	434	439	0.000352	0.251	TGATAA	566
C07B5.2	+	432	437	0.000352	0.251	TGATAA	568
C08B6.4	−	431	436	0.000352	0.251	TGATAA	569
C09E10.2	+	431	436	0.000352	0.251	TGATAA	569
C06C6.5	−	429	434	0.000352	0.251	TGATAA	571
C05B5.3	+	426	431	0.000352	0.251	TGATAA	574
C09D4.5	+	425	430	0.000352	0.251	TGATAA	575
C04C3.1	+	421	426	0.000352	0.251	TGATAA	579
C05G5.6	−	421	426	0.000352	0.251	TGATAA	579
C06C3.4	+	418	423	0.000352	0.251	TGATAA	582
C06E1.10	−	416	421	0.000352	0.251	TGATAA	584
C08H9.8	−	416	421	0.000352	0.251	TGATAA	584
C06E1.6	−	415	420	0.000352	0.251	TGATAA	585
C05C8.6	−	412	417	0.000352	0.251	TGATAA	588
C05E4.12	+	412	417	0.000352	0.251	TGATAA	588
C06C3.5	−	412	417	0.000352	0.251	TGATAA	588
C05D11.7	−	407	412	0.000352	0.251	TGATAA	593
C08F1.6	+	407	412	0.000352	0.251	TGATAA	593
C06G4.5	+	403	408	0.000352	0.251	TGATAA	597

C07D8.6	−	402	407	0.000352	0.251	TGATAA	598
C06C3.4	+	401	406	0.000352	0.251	TGATAA	599
C05B5.6	+	400	405	0.000352	0.251	TGATAA	600
C07G1.3	−	400	405	0.000352	0.251	TGATAA	600
C04G6.5	+	395	400	0.000352	0.251	TGATAA	605
C06B8.t1	+	395	400	0.000352	0.251	TGATAA	605
C08C3.4	+	395	400	0.000352	0.251	TGATAA	605
C09B9.2	+	393	398	0.000352	0.251	TGATAA	607
C04C3.1	+	392	397	0.000352	0.251	TGATAA	608
C07G3.4	−	389	394	0.000352	0.251	TGATAA	611
C08F11.13	−	389	394	0.000352	0.251	TGATAA	611
C06B8.9	−	385	390	0.000352	0.251	TGATAA	615
C05C12.3	+	384	389	0.000352	0.251	TGATAA	616
C04G2.8	−	382	387	0.000352	0.251	TGATAA	618
C06B3.2	−	382	387	0.000352	0.251	TGATAA	618
C05C9.t2	−	379	384	0.000352	0.251	TGATAA	621
C05E4.4	−	379	384	0.000352	0.251	TGATAA	621
C08F11.7	+	377	382	0.000352	0.251	TGATAA	623
C06B8.t1	+	375	380	0.000352	0.251	TGATAA	625
C07D8.5	+	374	379	0.000352	0.251	TGATAA	626
C05E4.6	−	373	378	0.000352	0.251	TGATAA	627
C06A8.3	+	372	377	0.000352	0.251	TGATAA	628
C06A6.5	+	369	374	0.000352	0.251	TGATAA	631
C04H5.3	−	368	373	0.000352	0.251	TGATAA	632
C06H2.3	−	368	373	0.000352	0.251	TGATAA	632
C08E3.6	+	366	371	0.000352	0.251	TGATAA	634
C08C3.3	+	365	370	0.000352	0.251	TGATAA	635
C04E12.4	−	362	367	0.000352	0.251	TGATAA	638
C07A12.7	−	362	367	0.000352	0.251	TGATAA	638
C04G2.6	−	360	365	0.000352	0.251	TGATAA	640
C06B8.7	−	358	363	0.000352	0.251	TGATAA	642
C07B5.2	+	357	362	0.000352	0.251	TGATAA	643
C06A1.4	+	356	361	0.000352	0.251	TGATAA	644
C08H9.4	+	355	360	0.000352	0.251	TGATAA	645
C04H5.1	+	353	358	0.000352	0.251	TGATAA	647
C06B3.9	+	353	358	0.000352	0.251	TGATAA	647
C07E3.3	−	353	358	0.000352	0.251	TGATAA	647
C07A12.7	+	352	357	0.000352	0.251	TGATAA	648
C08F8.6	−	351	356	0.000352	0.251	TGATAA	649
C05D12.4	+	350	355	0.000352	0.251	TGATAA	650

C08H9.9	+	350	355	0.000352	0.251	TGATAA	650
C08E3.10	−	348	353	0.000352	0.251	TGATAA	652
C05C12.3	+	346	351	0.000352	0.251	TGATAA	654
C06B3.4	+	346	351	0.000352	0.251	TGATAA	654
C06E4.1	−	346	351	0.000352	0.251	TGATAA	654
C04C3.1	−	344	349	0.000352	0.251	TGATAA	656
C08E8.2	−	342	347	0.000352	0.251	TGATAA	658
C07H6.3	−	339	344	0.000352	0.251	TGATAA	661
C05D12.5	+	338	343	0.000352	0.251	TGATAA	662
C05C8.6	+	336	341	0.000352	0.251	TGATAA	664
C06G1.t2	−	335	340	0.000352	0.251	TGATAA	665
C07A12.7	+	335	340	0.000352	0.251	TGATAA	665
C08E3.11	+	334	339	0.000352	0.251	TGATAA	666
C06B8.2	+	333	338	0.000352	0.251	TGATAA	667
C09D8.1	−	333	338	0.000352	0.251	TGATAA	667
C04B4.2	−	332	337	0.000352	0.251	TGATAA	668
C09D4.6	+	331	336	0.000352	0.251	TGATAA	669
C08E3.6	+	330	335	0.000352	0.251	TGATAA	670
C04B4.1	+	329	334	0.000352	0.251	TGATAA	671
C08F8.3	+	329	334	0.000352	0.251	TGATAA	671
C04B4.3	+	325	330	0.000352	0.251	TGATAA	675
C04E12.11	−	325	330	0.000352	0.251	TGATAA	675
C05E4.6	−	324	329	0.000352	0.251	TGATAA	676
C07B5.4	−	324	329	0.000352	0.251	TGATAA	676
C06E1.11	+	321	326	0.000352	0.251	TGATAA	679
C08B11.2	−	321	326	0.000352	0.251	TGATAA	679
C04G2.3	+	320	325	0.000352	0.251	TGATAA	680
C08F11.5	−	320	325	0.000352	0.251	TGATAA	680
C08E8.4	−	319	324	0.000352	0.251	TGATAA	681
C04F5.9	+	317	322	0.000352	0.251	TGATAA	683
C05D10.3	+	313	318	0.000352	0.251	TGATAA	687
C05G5.1	+	312	317	0.000352	0.251	TGATAA	688
C05C10.3	−	311	316	0.000352	0.251	TGATAA	689
C07A4.2	+	311	316	0.000352	0.251	TGATAA	689
C06H2.4	+	310	315	0.000352	0.251	TGATAA	690
C06B3.11	+	309	314	0.000352	0.251	TGATAA	691
C05B5.2	−	308	313	0.000352	0.251	TGATAA	692
C05D11.3	+	308	313	0.000352	0.251	TGATAA	692
C08F1.10	+	308	313	0.000352	0.251	TGATAA	692
C05G5.3	+	305	310	0.000352	0.251	TGATAA	695

C08B11.8	−	305	310	0.000352	0.251	TGATAA	695
C04G2.9	+	302	307	0.000352	0.251	TGATAA	698
C07D8.5	+	302	307	0.000352	0.251	TGATAA	698
C09B8.5	−	301	306	0.000352	0.251	TGATAA	699
C04F2.3	−	300	305	0.000352	0.251	TGATAA	700
C06E7.3	−	300	305	0.000352	0.251	TGATAA	700
C06G3.4	+	299	304	0.000352	0.251	TGATAA	701
C05G6.t1	+	296	301	0.000352	0.251	TGATAA	704
C04E6.4	+	295	300	0.000352	0.251	TGATAA	705
C08E3.10	+	294	299	0.000352	0.251	TGATAA	706
C04F12.8	−	293	298	0.000352	0.251	TGATAA	707
C05D11.1	+	293	298	0.000352	0.251	TGATAA	707
C08F8.4	−	293	298	0.000352	0.251	TGATAA	707
C04A11.5	−	292	297	0.000352	0.251	TGATAA	708
C06H5.6	+	292	297	0.000352	0.251	TGATAA	708
C06B8.2	+	291	296	0.000352	0.251	TGATAA	709
C08F11.13	−	290	295	0.000352	0.251	TGATAA	710
C08C3.3	−	287	292	0.000352	0.251	TGATAA	713
C06A12.8	+	279	284	0.000352	0.251	TGATAA	721
C07G3.6	+	279	284	0.000352	0.251	TGATAA	721
C08B6.2	+	279	284	0.000352	0.251	TGATAA	721
C08F11.4	+	276	281	0.000352	0.251	TGATAA	724
C05C8.1	−	275	280	0.000352	0.251	TGATAA	725
C07E3.6	−	275	280	0.000352	0.251	TGATAA	725
C07E3.8	+	274	279	0.000352	0.251	TGATAA	726
C07G3.3	+	272	277	0.000352	0.251	TGATAA	728
C06B8.9	+	271	276	0.000352	0.251	TGATAA	729
C08F11.7	−	270	275	0.000352	0.251	TGATAA	730
C08D8.2	−	269	274	0.000352	0.251	TGATAA	731
C08G5.2	−	269	274	0.000352	0.251	TGATAA	731
C05D9.2	+	267	272	0.000352	0.251	TGATAA	733
C08B6.3	+	266	271	0.000352	0.251	TGATAA	734
C04B4.1	+	265	270	0.000352	0.251	TGATAA	735
C06E4.7	−	261	266	0.000352	0.251	TGATAA	739
C04G2.1	+	260	265	0.000352	0.251	TGATAA	740
C06G3.10	−	260	265	0.000352	0.251	TGATAA	740
C08F11.12	+	258	263	0.000352	0.251	TGATAA	742
C05G6.t1	+	255	260	0.000352	0.251	TGATAA	745
C04G6.3	−	254	259	0.000352	0.251	TGATAA	746
C05G5.5	+	253	258	0.000352	0.251	TGATAA	747

C06C6.2	+	252	257	0.000352	0.251	TGATAA	748
C06E7.3	+	252	257	0.000352	0.251	TGATAA	748
C07H6.7	+	251	256	0.000352	0.251	TGATAA	749
C09B9.7	+	249	254	0.000352	0.251	TGATAA	751
C05C9.t1	+	248	253	0.000352	0.251	TGATAA	752
C07G3.9	−	248	253	0.000352	0.251	TGATAA	752
C04E7.t1	+	246	251	0.000352	0.251	TGATAA	754
C06C6.2	−	244	249	0.000352	0.251	TGATAA	756
C04G2.3	+	242	247	0.000352	0.251	TGATAA	758
C05C8.7	+	239	244	0.000352	0.251	TGATAA	761
C08E8.5	+	238	243	0.000352	0.251	TGATAA	762
C04E6.7	−	237	242	0.000352	0.251	TGATAA	763
C06A5.2	+	236	241	0.000352	0.251	TGATAA	764
C08B6.5	−	232	237	0.000352	0.251	TGATAA	768
C08F8.4	−	229	234	0.000352	0.251	TGATAA	771
C07A12.3	+	228	233	0.000352	0.251	TGATAA	772
C06E2.2	+	227	232	0.000352	0.251	TGATAA	773
C03H5.6	−	225	230	0.000352	0.251	TGATAA	775
C06E8.3	−	224	229	0.000352	0.251	TGATAA	776
C04B4.3	−	223	228	0.000352	0.251	TGATAA	777
C06A8.3	+	221	226	0.000352	0.251	TGATAA	779
C08B11.1	−	219	224	0.000352	0.251	TGATAA	781
C08C3.3	+	217	222	0.000352	0.251	TGATAA	783
C08H9.5	+	216	221	0.000352	0.251	TGATAA	784
C07A9.1	+	214	219	0.000352	0.251	TGATAA	786
C08A9.1	+	214	219	0.000352	0.251	TGATAA	786
C04F5.9	−	212	217	0.000352	0.251	TGATAA	788
C05B5.5	−	210	215	0.000352	0.251	TGATAA	790
C05C12.4	+	210	215	0.000352	0.251	TGATAA	790
C07A9.11	+	208	213	0.000352	0.251	TGATAA	792
C06B3.10	−	207	212	0.000352	0.251	TGATAA	793
C04E6.11	+	206	211	0.000352	0.251	TGATAA	794
C08E3.7	−	204	209	0.000352	0.251	TGATAA	796
C06C3.7	+	203	208	0.000352	0.251	TGATAA	797
C04E6.6	−	202	207	0.000352	0.251	TGATAA	798
C08C3.3	+	202	207	0.000352	0.251	TGATAA	798
C04A2.3	−	201	206	0.000352	0.251	TGATAA	799
C05D10.3	+	201	206	0.000352	0.251	TGATAA	799
C06E2.8	−	201	206	0.000352	0.251	TGATAA	799
C09C7.1	+	201	206	0.000352	0.251	TGATAA	799

C05C9.t2	+	196	201	0.000352	0.251	TGATAA	804
C06E1.7	+	196	201	0.000352	0.251	TGATAA	804
C06E8.5	+	196	201	0.000352	0.251	TGATAA	804
C07A9.8	+	196	201	0.000352	0.251	TGATAA	804
C09D4.4	−	193	198	0.000352	0.251	TGATAA	807
C07A12.5	−	192	197	0.000352	0.251	TGATAA	808
C08F1.10	−	192	197	0.000352	0.251	TGATAA	808
C04H5.8	+	189	194	0.000352	0.251	TGATAA	811
C06C6.4	+	188	193	0.000352	0.251	TGATAA	812
C09B9.3	+	188	193	0.000352	0.251	TGATAA	812
C04F6.3	−	187	192	0.000352	0.251	TGATAA	813
C04F5.3	−	186	191	0.000352	0.251	TGATAA	814
C05E7.2	+	186	191	0.000352	0.251	TGATAA	814
C06E8.3	+	186	191	0.000352	0.251	TGATAA	814
C06G8.2	−	186	191	0.000352	0.251	TGATAA	814
C06G1.t2	−	184	189	0.000352	0.251	TGATAA	816
C05B10.1	+	183	188	0.000352	0.251	TGATAA	817
C05C12.4	+	182	187	0.000352	0.251	TGATAA	818
C04E6.12	+	179	184	0.000352	0.251	TGATAA	821
C07A9.5	−	178	183	0.000352	0.251	TGATAA	822
C05E7.t3	+	175	180	0.000352	0.251	TGATAA	825
C05B10.1	−	173	178	0.000352	0.251	TGATAA	827
C07E3.5	−	173	178	0.000352	0.251	TGATAA	827
C08E3.13	+	173	178	0.000352	0.251	TGATAA	827
C06A6.6	−	169	174	0.000352	0.251	TGATAA	831
C06B8.6	+	165	170	0.000352	0.251	TGATAA	835
C05B5.2	−	161	166	0.000352	0.251	TGATAA	839
C06E1.3	+	161	166	0.000352	0.251	TGATAA	839
C06G8.1	+	161	166	0.000352	0.251	TGATAA	839
C05B10.1	−	160	165	0.000352	0.251	TGATAA	840
C06B8.4	−	159	164	0.000352	0.251	TGATAA	841
C04B4.1	+	158	163	0.000352	0.251	TGATAA	842
C08E3.10	+	158	163	0.000352	0.251	TGATAA	842
C05E4.5	−	156	161	0.000352	0.251	TGATAA	844
C08H9.14	−	154	159	0.000352	0.251	TGATAA	846
C08E3.2	−	150	155	0.000352	0.251	TGATAA	850
C06E2.1	−	149	154	0.000352	0.251	TGATAA	851
C09E7.1	−	149	154	0.000352	0.251	TGATAA	851
C05E11.2	+	148	153	0.000352	0.251	TGATAA	852
C04E12.4	−	147	152	0.000352	0.251	TGATAA	853

C04F5.4	−	145	150	0.000352	0.251	TGATAA	855
C06B8.t2	−	144	149	0.000352	0.251	TGATAA	856
C06E7.7	−	144	149	0.000352	0.251	TGATAA	856
C04G6.2	+	143	148	0.000352	0.251	TGATAA	857
C07G1.2	−	139	144	0.000352	0.251	TGATAA	861
C04F2.2	−	137	142	0.000352	0.251	TGATAA	863
C06E7.2	−	137	142	0.000352	0.251	TGATAA	863
C07A9.9	−	137	142	0.000352	0.251	TGATAA	863
C06A6.4	−	136	141	0.000352	0.251	TGATAA	864
C08F8.7	−	134	139	0.000352	0.251	TGATAA	866
C06E1.3	+	133	138	0.000352	0.251	TGATAA	867
C05D9.9	+	130	135	0.000352	0.251	TGATAA	870
C05E11.8	+	129	134	0.000352	0.251	TGATAA	871
C07B5.4	+	128	133	0.000352	0.251	TGATAA	872
C06A12.4	+	127	132	0.000352	0.251	TGATAA	873
C06G8.3	+	127	132	0.000352	0.251	TGATAA	873
C07G3.4	−	126	131	0.000352	0.251	TGATAA	874
C05D12.2	+	124	129	0.000352	0.251	TGATAA	876
C05G5.4	−	123	128	0.000352	0.251	TGATAA	877
C07H6.6	+	121	126	0.000352	0.251	TGATAA	879
C06C6.5	+	120	125	0.000352	0.251	TGATAA	880
C06G8.3	−	115	120	0.000352	0.251	TGATAA	885
C04F2.5	−	114	119	0.000352	0.251	TGATAA	886
C08B11.5	−	114	119	0.000352	0.251	TGATAA	886
C05E11.7	−	112	117	0.000352	0.251	TGATAA	888
C09D8.1	+	110	115	0.000352	0.251	TGATAA	890
C05E11.8	+	108	113	0.000352	0.251	TGATAA	892
C08E3.12	−	107	112	0.000352	0.251	TGATAA	893
C08F8.1	+	107	112	0.000352	0.251	TGATAA	893
C05E7.1	−	104	109	0.000352	0.251	TGATAA	896
C05C8.9	−	102	107	0.000352	0.251	TGATAA	898
C06G1.t3	−	102	107	0.000352	0.251	TGATAA	898
C05E4.5	+	101	106	0.000352	0.251	TGATAA	899
C06C6.8	−	101	106	0.000352	0.251	TGATAA	899
C08B6.10	+	101	106	0.000352	0.251	TGATAA	899
C08F11.9	−	101	106	0.000352	0.251	TGATAA	899
C06A1.5	+	99	104	0.000352	0.251	TGATAA	901
C08F8.5	−	97	102	0.000352	0.251	TGATAA	903
C06A5.10	+	96	101	0.000352	0.251	TGATAA	904
C04E12.6	+	93	98	0.000352	0.251	TGATAA	907

C08A9.6	+	93	98	0.000352	0.251	TGATAA	907
C04C3.5	−	92	97	0.000352	0.251	TGATAA	908
C04F5.9	+	92	97	0.000352	0.251	TGATAA	908
C06H5.2	+	92	97	0.000352	0.251	TGATAA	908
C08B11.1	+	92	97	0.000352	0.251	TGATAA	908
C07D10.1	+	91	96	0.000352	0.251	TGATAA	909
C06A1.5	+	90	95	0.000352	0.251	TGATAA	910
C06B3.2	+	90	95	0.000352	0.251	TGATAA	910
C07G1.6	+	90	95	0.000352	0.251	TGATAA	910
C09D1.2	+	87	92	0.000352	0.251	TGATAA	913
C09B9.2	−	85	90	0.000352	0.251	TGATAA	915
C08E8.t2	+	84	89	0.000352	0.251	TGATAA	916
C07H4.1	+	83	88	0.000352	0.251	TGATAA	917
C09D4.2	−	82	87	0.000352	0.251	TGATAA	918
C06A6.3	+	79	84	0.000352	0.251	TGATAA	921
C06E2.2	−	77	82	0.000352	0.251	TGATAA	923
C04F5.5	+	76	81	0.000352	0.251	TGATAA	924
C05E7.2	−	75	80	0.000352	0.251	TGATAA	925
C06G3.2	+	72	77	0.000352	0.251	TGATAA	928
C05D11.8	−	68	73	0.000352	0.251	TGATAA	932
C08C3.4	+	68	73	0.000352	0.251	TGATAA	932
C05E7.t3	−	64	69	0.000352	0.251	TGATAA	936
C06B3.3	+	64	69	0.000352	0.251	TGATAA	936
C04B4.1	+	62	67	0.000352	0.251	TGATAA	938
C05D11.12	+	62	67	0.000352	0.251	TGATAA	938
C05C8.9	+	56	61	0.000352	0.251	TGATAA	944
C08B6.4	−	54	59	0.000352	0.251	TGATAA	946
C08H9.4	+	54	59	0.000352	0.251	TGATAA	946
C08H9.9	+	49	54	0.000352	0.251	TGATAA	951
C09B7.4	+	48	53	0.000352	0.251	TGATAA	952
C06C3.1	−	46	51	0.000352	0.251	TGATAA	954
C06A5.4	−	45	50	0.000352	0.251	TGATAA	955
C09B9.6	+	44	49	0.000352	0.251	TGATAA	956
C06C6.9	−	43	48	0.000352	0.251	TGATAA	957
C04A11.3	−	42	47	0.000352	0.251	TGATAA	958
C06A6.7	+	38	43	0.000352	0.251	TGATAA	962
C08C3.1	+	38	43	0.000352	0.251	TGATAA	962
C08F11.12	−	33	38	0.000352	0.251	TGATAA	967
C07A9.4	+	28	33	0.000352	0.251	TGATAA	972
C04F2.t1	+	27	32	0.000352	0.251	TGATAA	973

C08B11.1	−	24	29	0.000352	0.251	TGATAA	976
C06C6.2	−	22	27	0.000352	0.251	TGATAA	978
C08H9.2	−	22	27	0.000352	0.251	TGATAA	978
C05B5.5	+	21	26	0.000352	0.251	TGATAA	979
C05C9.t2	+	19	24	0.000352	0.251	TGATAA	981
C06B3.2	−	19	24	0.000352	0.251	TGATAA	981
C06E4.3	+	16	21	0.000352	0.251	TGATAA	984
C06C6.2	+	14	19	0.000352	0.251	TGATAA	986
C06A8.7	+	12	17	0.000352	0.251	TGATAA	988
C06E2.8	+	12	17	0.000352	0.251	TGATAA	988
C06E7.7	+	12	17	0.000352	0.251	TGATAA	988
C08E3.11	−	12	17	0.000352	0.251	TGATAA	988
C04H5.7	+	10	15	0.000352	0.251	TGATAA	990
C05C8.4	+	10	15	0.000352	0.251	TGATAA	990
C09E7.2	−	7	12	0.000352	0.251	TGATAA	993
C04G6.4	−	6	11	0.000352	0.251	TGATAA	994
C05D10.1	+	3	8	0.000352	0.251	TGATAA	997
C04F2.1	+	1	6	0.000352	0.251	TGATAA	999
C05D11.8	+	1	6	0.000352	0.251	TGATAA	999

Table S3, continued. MAST analysis.

MAST analysis on *elt-2*-regulated genes:

Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence	Distance from transcription start site (bp)
C26B9.5	−	991	996	0.000352	0.256	TGATAA	9
R02D3.8	−	991	996	0.000352	0.256	TGATAA	9
T24B8.5	−	990	995	0.000352	0.256	TGATAA	10
K08D8.5	+	988	993	0.000352	0.256	TGATAA	12
C25B8.3	+	987	992	0.000352	0.256	TGATAA	13
C52E4.1	+	986	991	0.000352	0.256	TGATAA	14
Y54G2A.6	+	985	990	0.000352	0.256	TGATAA	15
F54E12.1	−	984	989	0.000352	0.256	TGATAA	16
K09F5.3	+	983	988	0.000352	0.256	TGATAA	17
Y48G10A.1	−	982	987	0.000352	0.256	TGATAA	18
C01H6.4	+	977	982	0.000352	0.256	TGATAA	23
C07B5.5	+	971	976	0.000352	0.256	TGATAA	29
F32D8.9	−	969	974	0.000352	0.256	TGATAA	31
F13D12.6	+	965	970	0.000352	0.256	TGATAA	35
F26A3.2	+	965	970	0.000352	0.256	TGATAA	35
B0303.14	−	964	969	0.000352	0.256	TGATAA	36
C17G1.3	−	961	966	0.000352	0.256	TGATAA	39
C07B5.5	+	959	964	0.000352	0.256	TGATAA	41
D2096.3	−	958	963	0.000352	0.256	TGATAA	42
T24B8.5	+	958	963	0.000352	0.256	TGATAA	42
C25B8.3	+	955	960	0.000352	0.256	TGATAA	45
Y119D3B.13	−	952	957	0.000352	0.256	TGATAA	48
F02E9.7	+	951	956	0.000352	0.256	TGATAA	49
Y57G11B.5	−	950	955	0.000352	0.256	TGATAA	50
F13D12.6	+	949	954	0.000352	0.256	TGATAA	51
K10C9.3	+	949	954	0.000352	0.256	TGATAA	51
Y22F5A.4	−	949	954	0.000352	0.256	TGATAA	51
ZK896.7	−	949	954	0.000352	0.256	TGATAA	51
C14C6.2	+	948	953	0.000352	0.256	TGATAA	52
Y106G6H.6	+	948	953	0.000352	0.256	TGATAA	52
Y57G11C.33	+	948	953	0.000352	0.256	TGATAA	52
ZK6.7	+	948	953	0.000352	0.256	TGATAA	52
C07B5.5	+	946	951	0.000352	0.256	TGATAA	54
T07C4.4	−	944	949	0.000352	0.256	TGATAA	56
ZK287.5	−	943	948	0.000352	0.256	TGATAA	57
F56A11.5	−	941	946	0.000352	0.256	TGATAA	59
K08D8.5	−	941	946	0.000352	0.256	TGATAA	59
Y4C6B.6	−	939	944	0.000352	0.256	TGATAA	61
W02B12.1	+	937	942	0.000352	0.256	TGATAA	63
ZK6.7	+	937	942	0.000352	0.256	TGATAA	63
F56A11.5	−	932	937	0.000352	0.256	TGATAA	68
T08A9.7	−	932	937	0.000352	0.256	TGATAA	68
C02B10.4	−	924	929	0.000352	0.256	TGATAA	76
K07D4.3	−	924	929	0.000352	0.256	TGATAA	76

R01H2.4	−	924	929	0.000352	0.256	TGATAA	76
D2096.3	+	921	926	0.000352	0.256	TGATAA	79
ZK1320.2	+	921	926	0.000352	0.256	TGATAA	79
W02B12.1	+	919	924	0.000352	0.256	TGATAA	81
R09H10.5	+	915	920	0.000352	0.256	TGATAA	85
Y39B6A.1	−	907	912	0.000352	0.256	TGATAA	93
T05H10.4	−	903	908	0.000352	0.256	TGATAA	97
T08A9.9	−	902	907	0.000352	0.256	TGATAA	98
Y43C5A.5	+	902	907	0.000352	0.256	TGATAA	98
Y54F10AM.8	+	901	906	0.000352	0.256	TGATAA	99
K03H6.2	−	900	905	0.000352	0.256	TGATAA	100
K09F5.3	+	899	904	0.000352	0.256	TGATAA	101
F35C8.5	+	898	903	0.000352	0.256	TGATAA	102
Y49E10.16	+	896	901	0.000352	0.256	TGATAA	104
C52E4.1	+	890	895	0.000352	0.256	TGATAA	110
R11H6.1	−	887	892	0.000352	0.256	TGATAA	113
C26B9.5	+	883	888	0.000352	0.256	TGATAA	117
Y54F10AM.8	−	881	886	0.000352	0.256	TGATAA	119
F13D12.6	−	880	885	0.000352	0.256	TGATAA	120
F35C8.5	−	879	884	0.000352	0.256	TGATAA	121
C17G1.3	+	877	882	0.000352	0.256	TGATAA	123
T08A9.7	+	876	881	0.000352	0.256	TGATAA	124
F59D8.2	+	873	878	0.000352	0.256	TGATAA	127
F13D12.6	−	872	877	0.000352	0.256	TGATAA	128
K03H6.2	+	860	865	0.000352	0.256	TGATAA	140
ZK1320.2	−	859	864	0.000352	0.256	TGATAA	141
C15F1.6	−	858	863	0.000352	0.256	TGATAA	142
R07H5.1	−	855	860	0.000352	0.256	TGATAA	145
F52E1.5	−	853	858	0.000352	0.256	TGATAA	147
ZK896.7	+	852	857	0.000352	0.256	TGATAA	148
Y49E10.16	+	851	856	0.000352	0.256	TGATAA	149
Y32H12A.4	+	850	855	0.000352	0.256	TGATAA	150
Y54F10AM.8	+	850	855	0.000352	0.256	TGATAA	150
C14C6.2	−	847	852	0.000352	0.256	TGATAA	153
T07C4.4	−	846	851	0.000352	0.256	TGATAA	154
R07H5.1	+	845	850	0.000352	0.256	TGATAA	155
F59D8.2	+	835	840	0.000352	0.256	TGATAA	165
C06A1.5	+	834	839	0.000352	0.256	TGATAA	166
Y22F5A.4	−	834	839	0.000352	0.256	TGATAA	166
W06B3.1	+	833	838	0.000352	0.256	TGATAA	167
F23B2.12	−	831	836	0.000352	0.256	TGATAA	169
F40H6.4	+	829	834	0.000352	0.256	TGATAA	171
Y4C6B.6	−	827	832	0.000352	0.256	TGATAA	173
T08A9.7	−	823	828	0.000352	0.256	TGATAA	177
B0303.14	+	821	826	0.000352	0.256	TGATAA	179
T08A9.9	−	817	822	0.000352	0.256	TGATAA	183
R11H6.1	−	816	821	0.000352	0.256	TGATAA	184
F35H8.4	−	815	820	0.000352	0.256	TGATAA	185
R01H2.4	−	810	815	0.000352	0.256	TGATAA	190

ZC64.2	+	805	810	0.000352	0.256	TGATAA	195
C34D4.4	+	800	805	0.000352	0.256	TGATAA	200
Y62E10A.17	+	798	803	0.000352	0.256	TGATAA	202
Y47D7A.1	+	797	802	0.000352	0.256	TGATAA	203
R12H7.2	−	791	796	0.000352	0.256	TGATAA	209
Y43F4B.6	+	790	795	0.000352	0.256	TGATAA	210
C15H11.4	+	789	794	0.000352	0.256	TGATAA	211
K09F5.3	−	782	787	0.000352	0.256	TGATAA	218
T24B8.5	−	772	777	0.000352	0.256	TGATAA	228
ZK896.7	+	766	771	0.000352	0.256	TGATAA	234
D1007.10	−	765	770	0.000352	0.256	TGATAA	235
T24B8.5	−	764	769	0.000352	0.256	TGATAA	236
T21H3.1	+	761	766	0.000352	0.256	TGATAA	239
F52E1.5	−	757	762	0.000352	0.256	TGATAA	243
T08A9.9	−	752	757	0.000352	0.256	TGATAA	248
Y38F2AR.1	+	751	756	0.000352	0.256	TGATAA	249
ZC64.2	+	749	754	0.000352	0.256	TGATAA	251
Y51H4A.24	+	740	745	0.000352	0.256	TGATAA	260
Y45F10A.2	−	734	739	0.000352	0.256	TGATAA	266
F15B10.3	−	712	717	0.000352	0.256	TGATAA	288
Y43F4B.6	−	712	717	0.000352	0.256	TGATAA	288
ZK1320.2	−	711	716	0.000352	0.256	TGATAA	289
F55C5.4	+	702	707	0.000352	0.256	TGATAA	298
B0284.3	−	689	694	0.000352	0.256	TGATAA	311
C15F1.6	+	688	693	0.000352	0.256	TGATAA	312
Y22F5A.4	−	685	690	0.000352	0.256	TGATAA	315
F57F5.1	+	684	689	0.000352	0.256	TGATAA	316
C34C12.8	+	682	687	0.000352	0.256	TGATAA	318
F13D12.6	−	682	687	0.000352	0.256	TGATAA	318
K09B11.5	+	682	687	0.000352	0.256	TGATAA	318
T13B5.3	−	681	686	0.000352	0.256	TGATAA	319
T21H3.1	+	680	685	0.000352	0.256	TGATAA	320
C01F6.5	+	676	681	0.000352	0.256	TGATAA	324
F54D5.4	−	673	678	0.000352	0.256	TGATAA	327
ZK632.10	−	668	673	0.000352	0.256	TGATAA	332
C52E4.1	−	667	672	0.000352	0.256	TGATAA	333
F54E12.1	−	666	671	0.000352	0.256	TGATAA	334
F57C9.1	+	666	671	0.000352	0.256	TGATAA	334
C35E7.1	−	649	654	0.000352	0.256	TGATAA	351
F08C6.6	+	633	638	0.000352	0.256	TGATAA	367
Y43C5A.5	−	629	634	0.000352	0.256	TGATAA	371
R09H10.5	−	622	627	0.000352	0.256	TGATAA	378
R13F6.1	−	604	609	0.000352	0.256	TGATAA	396
Y87G2A.9	−	597	602	0.000352	0.256	TGATAA	403
K08D8.5	−	593	598	0.000352	0.256	TGATAA	407
R09H10.5	+	585	590	0.000352	0.256	TGATAA	415
Y54F10AM.8	−	578	583	0.000352	0.256	TGATAA	422
Y65B4BR.8	−	578	583	0.000352	0.256	TGATAA	422
Y39G8B.2	−	566	571	0.000352	0.256	TGATAA	434

C31C9.2	+	562	567	0.000352	0.256	TGATAA	438
F35C8.5	+	557	562	0.000352	0.256	TGATAA	443
F42A10.6	+	554	559	0.000352	0.256	TGATAA	446
ZK6.7	+	550	555	0.000352	0.256	TGATAA	450
ZK896.7	+	549	554	0.000352	0.256	TGATAA	451
F59D8.2	−	545	550	0.000352	0.256	TGATAA	455
C06E1.1	+	537	542	0.000352	0.256	TGATAA	463
C01F6.5	+	535	540	0.000352	0.256	TGATAA	465
F35C8.5	−	530	535	0.000352	0.256	TGATAA	470
ZK896.7	+	530	535	0.000352	0.256	TGATAA	470
T13F2.8	+	526	531	0.000352	0.256	TGATAA	474
D1054.13	+	522	527	0.000352	0.256	TGATAA	478
F32H5.1	+	522	527	0.000352	0.256	TGATAA	478
B0284.3	+	514	519	0.000352	0.256	TGATAA	486
ZK858.3	+	508	513	0.000352	0.256	TGATAA	492
Y57G11B.5	−	489	494	0.000352	0.256	TGATAA	511
Y62E10A.17	+	486	491	0.000352	0.256	TGATAA	514
Y49E10.16	+	469	474	0.000352	0.256	TGATAA	531
Y65B4BR.8	+	469	474	0.000352	0.256	TGATAA	531
C06A1.5	−	468	473	0.000352	0.256	TGATAA	532
M03D4.1	+	463	468	0.000352	0.256	TGATAA	537
R11H6.1	+	458	463	0.000352	0.256	TGATAA	542
C07B5.5	+	451	456	0.000352	0.256	TGATAA	549
R07H5.1	−	433	438	0.000352	0.256	TGATAA	567
Y65B4BR.8	+	430	435	0.000352	0.256	TGATAA	570
C28H8.1	+	414	419	0.000352	0.256	TGATAA	586
F57F5.1	+	408	413	0.000352	0.256	TGATAA	592
F26H11.5	−	405	410	0.000352	0.256	TGATAA	595
F09D1.1	+	392	397	0.000352	0.256	TGATAA	608
K09F5.3	+	383	388	0.000352	0.256	TGATAA	617
R13F6.1	+	377	382	0.000352	0.256	TGATAA	623
ZK973.3	+	376	381	0.000352	0.256	TGATAA	624
F57F5.1	+	374	379	0.000352	0.256	TGATAA	626
C50F4.6	+	367	372	0.000352	0.256	TGATAA	633
F57F5.1	+	362	367	0.000352	0.256	TGATAA	638
K07B1.4	−	362	367	0.000352	0.256	TGATAA	638
D1054.13	+	357	362	0.000352	0.256	TGATAA	643
F57C9.1	−	357	362	0.000352	0.256	TGATAA	643
Y38F2AR.1	−	357	362	0.000352	0.256	TGATAA	643
F28D1.2	+	356	361	0.000352	0.256	TGATAA	644
ZK973.3	−	356	361	0.000352	0.256	TGATAA	644
B0272.1	+	338	343	0.000352	0.256	TGATAA	662
C25B8.3	+	329	334	0.000352	0.256	TGATAA	671
Y65B4BR.8	−	329	334	0.000352	0.256	TGATAA	671
F42G9.1	−	322	327	0.000352	0.256	TGATAA	678
R57.1	+	319	324	0.000352	0.256	TGATAA	681
F42G9.1	−	313	318	0.000352	0.256	TGATAA	687
W02B12.1	−	311	316	0.000352	0.256	TGATAA	689
Y62E10A.17	−	311	316	0.000352	0.256	TGATAA	689

F13D12.6	+	297	302	0.000352	0.256	TGATAA	703
R12B2.4	+	274	279	0.000352	0.256	TGATAA	726
K02E7.9	−	272	277	0.000352	0.256	TGATAA	728
F23B2.12	+	269	274	0.000352	0.256	TGATAA	731
Y51H1A.4	−	266	271	0.000352	0.256	TGATAA	734
R52.10	−	261	266	0.000352	0.256	TGATAA	739
R07E5.3	+	257	262	0.000352	0.256	TGATAA	743
T13B5.3	−	244	249	0.000352	0.256	TGATAA	756
F35C8.5	−	235	240	0.000352	0.256	TGATAA	765
Y48G1A.3	−	233	238	0.000352	0.256	TGATAA	767
F23B2.12	−	225	230	0.000352	0.256	TGATAA	775
Y54G2A.6	−	223	228	0.000352	0.256	TGATAA	777
F59D8.2	−	217	222	0.000352	0.256	TGATAA	783
C25B8.3	−	216	221	0.000352	0.256	TGATAA	784
ZK177.6	+	201	206	0.000352	0.256	TGATAA	799
T13B5.3	+	198	203	0.000352	0.256	TGATAA	802
Y62E10A.14	+	196	201	0.000352	0.256	TGATAA	804
C04F6.3	−	187	192	0.000352	0.256	TGATAA	813
F59B1.2	−	185	190	0.000352	0.256	TGATAA	815
R01H2.4	+	185	190	0.000352	0.256	TGATAA	815
F35C8.5	+	172	177	0.000352	0.256	TGATAA	828
F22F4.2	−	171	176	0.000352	0.256	TGATAA	829
R11H6.1	+	165	170	0.000352	0.256	TGATAA	835
T13B5.3	+	165	170	0.000352	0.256	TGATAA	835
R12H7.2	+	164	169	0.000352	0.256	TGATAA	836
F23B2.12	+	161	166	0.000352	0.256	TGATAA	839
K08D8.5	−	159	164	0.000352	0.256	TGATAA	841
C29F7.5	+	155	160	0.000352	0.256	TGATAA	845
F13D12.6	+	154	159	0.000352	0.256	TGATAA	846
T02G5.7	+	150	155	0.000352	0.256	TGATAA	850
K07B1.4	−	147	152	0.000352	0.256	TGATAA	853
R02C2.2	+	144	149	0.000352	0.256	TGATAA	856
F22F4.2	+	140	145	0.000352	0.256	TGATAA	860
F23B2.12	−	135	140	0.000352	0.256	TGATAA	865
F33H2.3	−	134	139	0.000352	0.256	TGATAA	866
ZC262.2	−	122	127	0.000352	0.256	TGATAA	878
B0035.1	−	119	124	0.000352	0.256	TGATAA	881
T07C4.4	−	111	116	0.000352	0.256	TGATAA	889
F33H2.3	−	100	105	0.000352	0.256	TGATAA	900
C06A1.5	+	99	104	0.000352	0.256	TGATAA	901
F32D1.6	+	96	101	0.000352	0.256	TGATAA	904
F35C11.5	+	92	97	0.000352	0.256	TGATAA	908
C06A1.5	+	90	95	0.000352	0.256	TGATAA	910
F32D8.9	−	89	94	0.000352	0.256	TGATAA	911
F28D1.2	+	85	90	0.000352	0.256	TGATAA	915
ZC64.2	+	82	87	0.000352	0.256	TGATAA	918
K07B1.4	+	77	82	0.000352	0.256	TGATAA	923
C18E3.2	+	76	81	0.000352	0.256	TGATAA	924
Y46B2A.1	+	67	72	0.000352	0.256	TGATAA	933

ZK177.6	+	61	66	0.000352	0.256	TGATAA	939
C17G1.3	−	47	52	0.000352	0.256	TGATAA	953
Y43F4B.6	+	37	42	0.000352	0.256	TGATAA	963
R05H5.3	−	33	38	0.000352	0.256	TGATAA	967
F42A10.6	+	25	30	0.000352	0.256	TGATAA	975
R05H5.3	−	22	27	0.000352	0.256	TGATAA	978
K09F5.3	+	21	26	0.000352	0.256	TGATAA	979
F59D8.2	+	13	18	0.000352	0.256	TGATAA	987
C01G6.3	−	12	17	0.000352	0.256	TGATAA	988
F57C9.1	+	9	14	0.000352	0.256	TGATAA	991
Y32H12A.4	−	5	10	0.000352	0.256	TGATAA	995
F56A11.5	−	4	9	0.000352	0.256	TGATAA	996

Table S3, continued. MAST analysis.

MAST analysis on *elt-2*-induced genes:

Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence	Distance from transcription start site (bp)
C09F12.1	−	991	996	0.000352	0.227	TGATAA	9
W04C9.1	−	991	996	0.000352	0.227	TGATAA	9
T28H10.3	+	989	994	0.000352	0.227	TGATAA	11
R06B10.3	−	987	992	0.000352	0.227	TGATAA	13
F55G11.5	+	983	988	0.000352	0.227	TGATAA	17
F56F10.1	+	982	987	0.000352	0.227	TGATAA	18
R07E3.1	+	979	984	0.000352	0.227	TGATAA	21
T25C12.3	+	977	982	0.000352	0.227	TGATAA	23
F01D5.8	+	973	978	0.000352	0.227	TGATAA	27
K11D2.2	+	971	976	0.000352	0.227	TGATAA	29
T28H10.3	−	965	970	0.000352	0.227	TGATAA	35
F27C8.4	+	961	966	0.000352	0.227	TGATAA	39
T01D3.6	+	961	966	0.000352	0.227	TGATAA	39
ZK896.5	−	961	966	0.000352	0.227	TGATAA	39
M04G12.2	−	960	965	0.000352	0.227	TGATAA	40
H34I24.2	−	959	964	0.000352	0.227	TGATAA	41
T02C5.1	−	958	963	0.000352	0.227	TGATAA	42
C32H11.12	−	954	959	0.000352	0.227	TGATAA	46
W04C9.1	−	954	959	0.000352	0.227	TGATAA	46
ZK892.2	−	953	958	0.000352	0.227	TGATAA	47
C32H11.4	−	948	953	0.000352	0.227	TGATAA	52
F09B9.1	−	931	936	0.000352	0.227	TGATAA	69
Y46C8AL.2	−	931	936	0.000352	0.227	TGATAA	69
F35E12.6	+	930	935	0.000352	0.227	TGATAA	70
ZC443.5	−	930	935	0.000352	0.227	TGATAA	70
C42D4.1	+	928	933	0.000352	0.227	TGATAA	72
R07B1.10	+	928	933	0.000352	0.227	TGATAA	72
K11D2.2	+	927	932	0.000352	0.227	TGATAA	73
ZK892.2	−	924	929	0.000352	0.227	TGATAA	76
C18G1.2	−	922	927	0.000352	0.227	TGATAA	78
ZK6.10	−	922	927	0.000352	0.227	TGATAA	78
T25C12.3	−	921	926	0.000352	0.227	TGATAA	79
F01D5.8	+	918	923	0.000352	0.227	TGATAA	82
F09B9.1	−	912	917	0.000352	0.227	TGATAA	88
C01B10.6	+	910	915	0.000352	0.227	TGATAA	90
F01D5.8	+	906	911	0.000352	0.227	TGATAA	94
R06B10.3	−	904	909	0.000352	0.227	TGATAA	96
Y34B4A.6	+	903	908	0.000352	0.227	TGATAA	97
M02F4.7	−	902	907	0.000352	0.227	TGATAA	98
ZK6.10	−	902	907	0.000352	0.227	TGATAA	98
F35E12.6	+	899	904	0.000352	0.227	TGATAA	101
ZK896.5	+	897	902	0.000352	0.227	TGATAA	103
ZK6.11	−	895	900	0.000352	0.227	TGATAA	105
W02A2.1	−	885	890	0.000352	0.227	TGATAA	115

C01B10.6	−	883	888	0.000352	0.227	TGATAA	117
Y60A3A.18	−	883	888	0.000352	0.227	TGATAA	117
C32H11.4	−	882	887	0.000352	0.227	TGATAA	118
C28C12.5	+	881	886	0.000352	0.227	TGATAA	119
T01D3.6	+	873	878	0.000352	0.227	TGATAA	127
C23H3.3	−	872	877	0.000352	0.227	TGATAA	128
C28C12.5	+	871	876	0.000352	0.227	TGATAA	129
C08E8.4	+	868	873	0.000352	0.227	TGATAA	132
F31F7.1	+	866	871	0.000352	0.227	TGATAA	134
Y47H9C.1	−	862	867	0.000352	0.227	TGATAA	138
C09F12.1	+	859	864	0.000352	0.227	TGATAA	141
M02F4.7	+	857	862	0.000352	0.227	TGATAA	143
F35C5.6	−	854	859	0.000352	0.227	TGATAA	146
C08E8.4	−	853	858	0.000352	0.227	TGATAA	147
F35E12.7	+	852	857	0.000352	0.227	TGATAA	148
Y22F5A.5	−	849	854	0.000352	0.227	TGATAA	151
B0554.6	−	847	852	0.000352	0.227	TGATAA	153
ZK6.10	−	846	851	0.000352	0.227	TGATAA	154
F35C5.6	+	844	849	0.000352	0.227	TGATAA	156
Y39G10AR.6	−	843	848	0.000352	0.227	TGATAA	157
Y22F5A.5	−	842	847	0.000352	0.227	TGATAA	158
Y43C5A.2	−	838	843	0.000352	0.227	TGATAA	162
C29F7.2	−	835	840	0.000352	0.227	TGATAA	165
C28C12.5	+	832	837	0.000352	0.227	TGATAA	168
F35E12.7	+	826	831	0.000352	0.227	TGATAA	174
Y18D10A.23	+	825	830	0.000352	0.227	TGATAA	175
T01D3.6	+	822	827	0.000352	0.227	TGATAA	178
M163.3	−	817	822	0.000352	0.227	TGATAA	183
C49C8.5	−	814	819	0.000352	0.227	TGATAA	186
Y73B6BL.9	+	808	813	0.000352	0.227	TGATAA	192
Y18D10A.23	−	807	812	0.000352	0.227	TGATAA	193
K11C4.4	+	800	805	0.000352	0.227	TGATAA	200
Y46C8AL.2	−	800	805	0.000352	0.227	TGATAA	200
B0554.6	+	798	803	0.000352	0.227	TGATAA	202
C50F7.5	+	794	799	0.000352	0.227	TGATAA	206
F31F7.1	+	786	791	0.000352	0.227	TGATAA	214
C18H9.6	+	784	789	0.000352	0.227	TGATAA	216
C49C8.5	−	780	785	0.000352	0.227	TGATAA	220
ZK892.2	+	779	784	0.000352	0.227	TGATAA	221
Y47H9C.1	+	771	776	0.000352	0.227	TGATAA	229
C42D4.1	−	767	772	0.000352	0.227	TGATAA	233
C50F7.5	−	764	769	0.000352	0.227	TGATAA	236
T25D10.4	−	755	760	0.000352	0.227	TGATAA	245
R07E3.1	−	749	754	0.000352	0.227	TGATAA	251
F35E12.7	+	738	743	0.000352	0.227	TGATAA	262
K06A4.7	−	732	737	0.000352	0.227	TGATAA	268
ZK287.2	−	730	735	0.000352	0.227	TGATAA	270
F31F7.1	−	726	731	0.000352	0.227	TGATAA	274
C28C12.5	+	719	724	0.000352	0.227	TGATAA	281

T08A9.12	−	716	721	0.000352	0.227	TGATAA	284
K06A4.7	−	715	720	0.000352	0.227	TGATAA	285
T25C12.3	+	713	718	0.000352	0.227	TGATAA	287
F40F4.3	+	670	675	0.000352	0.227	TGATAA	330
F11G11.2	−	659	664	0.000352	0.227	TGATAA	341
B0554.6	−	654	659	0.000352	0.227	TGATAA	346
Y55B1BR.3	−	648	653	0.000352	0.227	TGATAA	352
C55F2.2	+	639	644	0.000352	0.227	TGATAA	361
F19C7.1	+	635	640	0.000352	0.227	TGATAA	365
C12D12.1	+	633	638	0.000352	0.227	TGATAA	367
T02C5.1	+	631	636	0.000352	0.227	TGATAA	369
F09B9.1	−	630	635	0.000352	0.227	TGATAA	370
C42C1.2	+	629	634	0.000352	0.227	TGATAA	371
F54F2.7	+	627	632	0.000352	0.227	TGATAA	373
H02F09.3	−	614	619	0.000352	0.227	TGATAA	386
C05A9.1	−	613	618	0.000352	0.227	TGATAA	387
B0554.6	+	611	616	0.000352	0.227	TGATAA	389
H22K11.1	+	605	610	0.000352	0.227	TGATAA	395
T02C5.1	−	591	596	0.000352	0.227	TGATAA	409
Y57G7A.11	+	581	586	0.000352	0.227	TGATAA	419
Y46C8AL.2	+	566	571	0.000352	0.227	TGATAA	434
F35C5.6	+	547	552	0.000352	0.227	TGATAA	453
ZK520.2	−	544	549	0.000352	0.227	TGATAA	456
Y57G7A.11	−	536	541	0.000352	0.227	TGATAA	464
C42C1.2	−	533	538	0.000352	0.227	TGATAA	467
B0403.3	−	532	537	0.000352	0.227	TGATAA	468
F31F7.1	−	523	528	0.000352	0.227	TGATAA	477
C32H11.4	+	521	526	0.000352	0.227	TGATAA	479
ZK6.10	+	516	521	0.000352	0.227	TGATAA	484
Y57G7A.11	−	503	508	0.000352	0.227	TGATAA	497
B0403.3	−	501	506	0.000352	0.227	TGATAA	499
M02F4.7	+	493	498	0.000352	0.227	TGATAA	507
F55G11.5	+	473	478	0.000352	0.227	TGATAA	527
ZK520.2	−	469	474	0.000352	0.227	TGATAA	531
ZK6.10	+	461	466	0.000352	0.227	TGATAA	539
ZK6.11	+	453	458	0.000352	0.227	TGATAA	547
ZK6.10	+	445	450	0.000352	0.227	TGATAA	555
C32H11.4	−	439	444	0.000352	0.227	TGATAA	561
C09F12.1	+	435	440	0.000352	0.227	TGATAA	565
Y41E3.2	−	418	423	0.000352	0.227	TGATAA	582
Y18D10A.23	−	417	422	0.000352	0.227	TGATAA	583
C18H9.6	+	415	420	0.000352	0.227	TGATAA	585
C29F7.2	+	411	416	0.000352	0.227	TGATAA	589
Y73B6BL.9	−	409	414	0.000352	0.227	TGATAA	591
C42C1.2	−	385	390	0.000352	0.227	TGATAA	615
Y46C8AL.2	+	380	385	0.000352	0.227	TGATAA	620
T25D10.4	+	376	381	0.000352	0.227	TGATAA	624
T06C10.4	−	368	373	0.000352	0.227	TGATAA	632
C09F12.1	−	365	370	0.000352	0.227	TGATAA	635

W02A2.1	+	365	370	0.000352	0.227	TGATAA	635
Y22F5A.5	−	361	366	0.000352	0.227	TGATAA	639
B0554.6	−	353	358	0.000352	0.227	TGATAA	647
Y43C5A.2	+	350	355	0.000352	0.227	TGATAA	650
F13B9.8	+	349	354	0.000352	0.227	TGATAA	651
B0554.6	−	341	346	0.000352	0.227	TGATAA	659
C08E8.4	−	319	324	0.000352	0.227	TGATAA	681
K11C4.4	−	296	301	0.000352	0.227	TGATAA	704
Y34B4A.6	−	294	299	0.000352	0.227	TGATAA	706
B0403.3	−	281	286	0.000352	0.227	TGATAA	719
VZK822L.1	−	280	285	0.000352	0.227	TGATAA	720
F31F7.1	−	275	280	0.000352	0.227	TGATAA	725
F35C5.6	+	265	270	0.000352	0.227	TGATAA	735
F56F10.1	−	260	265	0.000352	0.227	TGATAA	740
C42D4.1	+	243	248	0.000352	0.227	TGATAA	757
T25C12.3	+	235	240	0.000352	0.227	TGATAA	765
C29F7.2	+	233	238	0.000352	0.227	TGATAA	767
VZK822L.1	−	233	238	0.000352	0.227	TGATAA	767
T06C10.4	+	228	233	0.000352	0.227	TGATAA	772
F53A9.8	+	221	226	0.000352	0.227	TGATAA	779
F31F7.1	−	216	221	0.000352	0.227	TGATAA	784
VZK822L.1	−	213	218	0.000352	0.227	TGATAA	787
T28H10.3	+	209	214	0.000352	0.227	TGATAA	791
F35E12.6	+	194	199	0.000352	0.227	TGATAA	806
ZK6.10	+	192	197	0.000352	0.227	TGATAA	808
C42D4.1	−	175	180	0.000352	0.227	TGATAA	825
C28C12.5	−	156	161	0.000352	0.227	TGATAA	844
F27C8.4	−	149	154	0.000352	0.227	TGATAA	851
Y37E3.16	−	149	154	0.000352	0.227	TGATAA	851
ZK6.11	+	137	142	0.000352	0.227	TGATAA	863
C03F11.3	+	127	132	0.000352	0.227	TGATAA	873
C32H11.12	+	115	120	0.000352	0.227	TGATAA	885
C42C1.2	+	103	108	0.000352	0.227	TGATAA	897
F31F7.1	+	100	105	0.000352	0.227	TGATAA	900
C18H9.6	+	96	101	0.000352	0.227	TGATAA	904
C01B10.6	+	92	97	0.000352	0.227	TGATAA	908
Y73B6BL.9	−	86	91	0.000352	0.227	TGATAA	914
C07H4.1	+	83	88	0.000352	0.227	TGATAA	917
T28H10.3	−	78	83	0.000352	0.227	TGATAA	922
F19C7.1	−	68	73	0.000352	0.227	TGATAA	932
H13N06.5	−	68	73	0.000352	0.227	TGATAA	932
Y37E3.16	−	68	73	0.000352	0.227	TGATAA	932
C09F12.1	−	60	65	0.000352	0.227	TGATAA	940
Y37E3.16	−	52	57	0.000352	0.227	TGATAA	948
H02F09.3	−	45	50	0.000352	0.227	TGATAA	955
T28H10.3	−	44	49	0.000352	0.227	TGATAA	956
F35C5.9	−	38	43	0.000352	0.227	TGATAA	962
F55G11.5	+	34	39	0.000352	0.227	TGATAA	966
F27C8.4	−	30	35	0.000352	0.227	TGATAA	970

Table S3, continued. MAST analysis.

MAST analysis on *elt-2*-repressed genes:

Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence	Distance from transcription start site (bp)
R08E3.4	−	989	994	0.000352	0.269	TGATAA	11
K08D8.3	+	955	960	0.000352	0.269	TGATAA	45
T19C9.8	−	940	945	0.000352	0.269	TGATAA	60
B0350.2	−	920	925	0.000352	0.269	TGATAA	80
T21B6.3	−	910	915	0.000352	0.269	TGATAA	90
K08D8.3	−	904	909	0.000352	0.269	TGATAA	96
T05H10.3	+	891	896	0.000352	0.269	TGATAA	109
Y105C5A.12	−	873	878	0.000352	0.269	TGATAA	127
T19C9.8	−	858	863	0.000352	0.269	TGATAA	142
F02G3.1	+	837	842	0.000352	0.269	TGATAA	163
F02G3.1	+	831	836	0.000352	0.269	TGATAA	169
F32G8.4	−	820	825	0.000352	0.269	TGATAA	180
F32G8.4	−	813	818	0.000352	0.269	TGATAA	187
T22B2.4	+	812	817	0.000352	0.269	TGATAA	188
Y105E8B.1	+	785	790	0.000352	0.269	TGATAA	215
T19A6.2	+	766	771	0.000352	0.269	TGATAA	234
T18D3.4	+	758	763	0.000352	0.269	TGATAA	242
F57B1.4	−	730	735	0.000352	0.269	TGATAA	270
C05D10.4	+	717	722	0.000352	0.269	TGATAA	283
C51E3.7	−	702	707	0.000352	0.269	TGATAA	298
F53F1.5	+	666	671	0.000352	0.269	TGATAA	334
T18D3.4	−	652	657	0.000352	0.269	TGATAA	348
C42D8.8	−	649	654	0.000352	0.269	TGATAA	351
T18D3.4	−	604	609	0.000352	0.269	TGATAA	396
T22A3.2	−	599	604	0.000352	0.269	TGATAA	401
K10B3.7	−	590	595	0.000352	0.269	TGATAA	410
C18A11.7	+	527	532	0.000352	0.269	TGATAA	473
C44B11.3	+	487	492	0.000352	0.269	TGATAA	513
C18A11.7	−	486	491	0.000352	0.269	TGATAA	514
T19C9.8	+	453	458	0.000352	0.269	TGATAA	547
T22A3.2	−	434	439	0.000352	0.269	TGATAA	566
B0507.10	−	423	428	0.000352	0.269	TGATAA	577
C51E3.7	+	389	394	0.000352	0.269	TGATAA	611
F09F3.6	−	362	367	0.000352	0.269	TGATAA	638
K07E1.1	+	357	362	0.000352	0.269	TGATAA	643
F53F1.5	+	300	305	0.000352	0.269	TGATAA	700
T18D3.4	−	281	286	0.000352	0.269	TGATAA	719
C18A11.7	−	230	235	0.000352	0.269	TGATAA	770
F32G8.4	+	221	226	0.000352	0.269	TGATAA	779
F32G8.4	−	207	212	0.000352	0.269	TGATAA	793
K07E1.1	+	201	206	0.000352	0.269	TGATAA	799
C44B11.3	+	161	166	0.000352	0.269	TGATAA	839
K08D8.3	−	148	153	0.000352	0.269	TGATAA	852
T22A3.2	−	140	145	0.000352	0.269	TGATAA	860

C18A11.7	+	124	129	0.000352	0.269	TGATAA	876
C02C2.1	−	106	111	0.000352	0.269	TGATAA	894
F38B2.1	−	95	100	0.000352	0.269	TGATAA	905

Table S4. Gene Ontology (GO) analysis.

GO analysis for *elt-2*-regulated genes:

GOID	TERM[a]	p-value	Ontology
GO:XXXXXXX	unannotated	0.00342506[b]	process
GO:0050830	defense response to Gram-positive bacterium	0.02125517[b]	process
GO:0006952	defense response	0.030681165[b]	process
GO:XXXXXXX	unannotated	8.66E-12	function
GO:0016298	lipase activity	2.73E-03	function
GO:0016894	endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 3'-phosphomonoesters	6.11E-03	function
GO:0070011	peptidase activity, acting on L-amino acid peptides	1.21E-02	function
GO:0004806	triglyceride lipase activity	1.40E-02	function
GO:0008233	peptidase activity	2.00E-02	function
GO:0004722	protein serine/threonine phosphatase activity	2.12E-02	function
GO:0052689	carboxylic ester hydrolase activity	2.35E-02	function
GO:0016788	hydrolase activity, acting on ester bonds	3.00E-02	function
GO:0008236	serine-type peptidase activity	3.02E-02	function
GO:0017171	serine hydrolase activity	3.02E-02	function
GO:0042802	identical protein binding	3.16E-02	function
GO:0008061	chitin binding	3.52E-02	function
GO:0016787	hydrolase activity	3.82E-02	function
GO:0008238	exopeptidase activity	4.95E-02	function

[a] Shown are top GO annotations enriched among *elt-2*-regulated genes; yellow highlights annotations discussed in the main text.

[b] Bonferroni-corrected.

Table S4, continued. Gene Ontology (GO) analysis.

GO analysis for *elt-2*-induced genes:

GOID	TERM[a]	p-value[b]	Ontology
GO:0006952	defense response	1.54E-15	process
GO:0045087	innate immune response	6.15E-13	process
GO:0002376	immune system process	1.01E-12	process
GO:0006955	immune response	1.01E-12	process
GO:0006950	response to stress	1.27E-06	process
GO:0009617	response to bacterium	7.34E-06	process
GO:0042742	defense response to bacterium	7.34E-06	process
GO:0098542	defense response to other organism	3.81E-05	process
GO:0009607	response to biotic stimulus	4.26E-05	process
GO:0043207	response to external biotic stimulus	4.26E-05	process
GO:0051707	response to other organism	4.26E-05	process
GO:0050830	defense response to Gram-positive bacterium	0.000812015	process
GO:0050829	defense response to Gram-negative bacterium	0.001035465	process
GO:XXXXXXX	unannotated	0.011904195	process
GO:XXXXXXX	unannotated	1.64E-08	function
GO:0030246	carbohydrate binding	0.039738065	function

[a] Shown are top GO annotations enriched among *elt-2*-induced genes; yellow highlights annotations discussed in the main text.
[b] Bonferroni-corrected.

Table S4, continued. Gene Ontology (GO) analysis.

GO analysis for *elt-2*-repressed genes:

GOID	TERM[a]	p-value, uncorrected	Ontology
GO:XXXXXXX	unannotated	1.54E-05	process
GO:0003012	muscle system process	0.000331675	process
GO:0006936	muscle contraction	0.000331675	process
GO:0018996	molting cycle, collagen and cuticulin-based cuticle	0.001745246	process
GO:0042303	molting cycle	0.001833453	process
GO:0060179	male mating behavior	0.00245953	process
GO:0040011	locomotion	0.002836536	process
GO:0006006	glucose metabolic process	0.004013988	process
GO:0007617	mating behavior	0.004367416	process
GO:0007610	behavior	0.004860925	process
GO:0007618	mating	0.00511587	process
GO:0032956	regulation of actin cytoskeleton organization	0.005510666	process
GO:0032970	regulation of actin filament-based process	0.007685768	process
GO:0019318	hexose metabolic process	0.009660478	process
GO:0005996	monosaccharide metabolic process	0.010185824	process
GO:0051258	protein polymerization	0.011836139	process
GO:0051493	regulation of cytoskeleton organization	0.018800054	process
GO:0043050	pharyngeal pumping	0.020213222	process
GO:0042755	eating behavior	0.020936069	process
GO:0008652	cellular amino acid biosynthetic process	0.022413802	process
GO:0007631	feeding behavior	0.02791223	process
GO:0051128	regulation of cellular component organization	0.032058438	process
GO:0043623	cellular protein complex assembly	0.038445397	process
GO:0030036	actin cytoskeleton organization	0.040328153	process
GO:0030029	actin filament-based process	0.047185203	process
GO:0033043	regulation of organelle organization	0.049218037	process
GO:0005198	structural molecule activity	0.000506008	function
GO:XXXXXXX	unannotated	0.001142482	function
GO:0003779	actin binding	0.003240104	function
GO:0016831	carboxy-lyase activity	0.003674582	function
GO:0042302	structural constituent of cuticle	0.004902815	function
GO:0008158	hedgehog receptor activity	0.006340822	function
GO:0016830	carbon-carbon lyase activity	0.006340822	function
GO:0008092	cytoskeletal protein binding	0.01714165	function
GO:0003774	motor activity	0.019501184	function
GO:0005525	GTP binding	0.041416606	function

GO:0019001	guanyl nucleotide binding	0.045391252	function
GO:0032561	guanyl ribonucleotide binding	0.045391252	function

[a] Shown are top GO annotations enriched among *elt-2*-repressed genes.

Appendix 2: Supplementary Information for Chapter 2

Table S1. Statistical analysis of lifespan data.

Strain;Treatment	Temperature	Mean Lifespan [days]	SEM [days]	Median [days]	# Deaths/# Total	% Change in Mean Lifespan	p-value Log-rank (Mantel-Cox)
N2;control*(RNAi)*	25°C	10.6435	0.24223	11.001	97/118	na	na
ttr-1;control*(RNAi)*		12.0124	0.21261	12.868	88/103	12.9	0.0004
ttr-1::gfp;control*(RNAi)*		8.34636	0.27645	9.8604	91/93	-21.6	<0.0001
N2;*cdc-25.1(RNAi)*	25°C	16.9235	0.43531	16.21	125/147	na	na
ttr-1;*cdc-25.1(RNAi)*		21.0301	0.63197	22.2	90/124	24.3	<0.0001
N2;control*(RNAi)*	25°C	10.6435	0.24223	11.001	97/118	na	na
N2;*daf-16(RNAi)*		9.75548	0.21141	8.77	98/107	-8.3	0.0006
ttr-1;control*(RNAi)*		12.0124	0.21261	12.868	88/103	12.9	0.0004
ttr-1;daf-16(RNAi)		10.2281	0.23755	11.001	71/80	-3.9	0.0256
Statistical comparison:							
N2;daf-16(RNAi) vs. ttr-1;daf-16(RNAi)							0.1381
N2;control*(RNAi)*	20°C	17.1801	0.46464	16.83	90/95	na	na
N2;*daf-2(RNAi)*		34.6781	1.11151	34.96	113/130	101.9	<0.0001
ttr-1;control*(RNAi)*		20.2404	0.50277	19.104	131/150	17.8	<0.0001
ttr-1;daf-2(RNAi)		25.5607	0.5295	26.127	139/145	48.8	<0.0001
Statistical comparison:							
ttr-1;control*(RNAi)* vs. *ttr-1;daf-2(RNAi)*							<0.0001
N2;control*(RNAi)*	20°C	15.6312	0.40781	14.9398	140/154	na	na
N2;*daf-2(RNAi)*		30.587	1.22049	30.9274	117/149	95.7	<0.0001
ttr-1;control*(RNAi)*		17.5832	0.44369	16.842	147/155	12.5	0.004
ttr-1;daf-2(RNAi)		23.9234	1.0623	20.8659	132/155	53.0	<0.0001
Statistical comparison:							
ttr-1;control*(RNAi)* vs. *ttr-1;daf-2(RNAi)*							<0.0001
N2, dead OP50	20°C	24.2976	1.24657	25.333	57/99	na	na
ttr-1, dead OP50		27.3321	0.83135	28.219	83/99	12.5	0.0243, Gehan-Breslow-Wilcoxon test

eat-2, dead OP50		47.7477	1.22073	44.292	94/100	96.5	<0.0001
ttr-1;eat-2, dead OP50		25.2561	1.53678	25.333	88/122	3.9	0.37
Statistical comparison:							
ttr-1 vs. *ttr-1;eat-2*							0.7475

N2, dead OP50	20°C	15.0501	0.32816	15.9819	120/125	na	na
ttr-1, dead OP50		15.778	0.37894	17.034	114/126	4.8	0.0004
eat-2, dead OP50		19.6262	0.60408	19.7868	65/75	30.4	<0.0001
ttr-1;eat-2, dead OP50		14.9597	0.52948	17.034	109/123	-0.6	0.0011 (0.1273, Gehan-Breslow-Wilcoxin test)
Statistical comparison:							
ttr-1 vs. *ttr-1;eat-2*							0.6524

N2;control*(RNAi)*	20°C	15.355	0.30676	15.034	141/145	na	na
N2;*let-363(RNAi)*		18.9608	0.28035	19.947	133/147	23.5	<0.0001
N2;*raga-1(RNAi)*		18.2973	0.3407	17.802	140/148	19.2	<0.0001
N2;*rict-1(RNAi)*		16.4734	0.34456	15.034	116/124	7.3	0.0218
*ttr-1;*control*(RNAi)*		19.7668	0.42425	19.947	131/149	28.7	<0.0001
ttr-1;let-363(RNAi)		22.1424	0.50916	22.763	133/146	44.2	<0.0001
ttr-1;raga-1(RNAi)		24.3055	0.61613	25.725	80/94	58.3	<0.0001
ttr-1;rict-1(RNAi)		19.5964	0.43748	19.947	117/125	27.6	<0.0001
Statistical comparison:							
*ttr-1;*control*(RNAi)* vs. *ttr-1;let-363(RNAi)*							<0.0001
N2;*let-363(RNAi)* vs. *ttr-1;let-363(RNAi)*							<0.0001
*ttr-1;*control*(RNAi)* vs. *ttr-1;raga-1(RNAi)*							<0.0001
N2;*raga-1(RNAi)* vs. *ttr-1;raga-1(RNAi)*							<0.0001
*ttr-1;*control*(RNAi)* vs. *ttr-1;rict-1(RNAi)*							0.6709
N2;*rict-1(RNAi)* vs. *ttr-1;rict-1(RNAi)*							<0.0001

N2;control*(RNAi)*	20°C	18.1789	0.41488	19.022	121/126	na	na
N2;*let-363(RNAi)*		24.3192	0.40896	26.145	138/139	33.8	<0.0001
N2;*raga-1(RNAi)*		24.4605	0.44808	22.97	94/99	34.6	<0.0001
N2;*rict-1(RNAi)*		20.1516	0.40494	19.022	126/126	10.9	0.0014
*ttr-1;*control*(RNAi)*		24.2265	0.45383	25.081	137/141	33.3	<0.0001
ttr-1;let-363(RNAi)		27.7366	0.34461	28.021	128/140	52.6	<0.0001
ttr-1;raga-1(RNAi)		28.2568	0.41803	28.021	108/127	55.4	<0.0001
ttr-1;rict-1(RNAi)		24.9899	0.44293	25.081	127/128	37.5	<0.0001
Statistical comparison:							
*ttr-1;*control(RNAi) vs. *ttr-1;let-363(RNAi)*							<0.0001
N2;*let-363(RNAi)* vs. *ttr-1;let-363(RNAi)*							<0.0001
*ttr-1;*control(RNAi) vs. *ttr-1;raga-1(RNAi)*							<0.0001

N2;*raga-1(RNAi)* vs. *ttr-1;raga-1(RNAi)*							<0.0001
ttr-1;control(RNAi) vs. *ttr-1;rict-1(RNAi)*							0.4602
N2;*rict-1(RNAi)* vs. *ttr-1;rict-1(RNAi)*							<0.0001

N2;control*(RNAi)*	20°C	14.5906	0.32877	14.0076	129/148	na	na
N2;*rict-1(RNAi)*		21.0029	0.40425	22.0444	134/149	43.9	<0.0001
N2;*sinh-1(RNAi)*		18.6739	0.37799	18.0618	138/149	28.0	<0.0001
ttr-1;control*(RNAi)*		18.8092	0.49923	18.7688	135/153	28.9	<0.0001
ttr-1;rict-1(RNAi)		20.0452	0.72406	22.0444	54/58	37.4	<0.0001
ttr-1;sinh-1(RNAi)		20.06	0.41331	19.9736	131/144	37.5	<0.0001
Statistical comparison:							
ttr-1;control*(RNAi)* vs. *ttr-1*;*rict-1(RNAi)*							0.5137
ttr-1;control*(RNAi)* vs. *ttr-1*;*sinh-1(RNAi)*							0.326

N2, dead OP50	25°C until Day 1 adult, then shifted to 15°C	24.7943	0.74363	26.0104	82/98	na	na
ttr-1, dead OP50		26.9269	0.69091	26.0104	87/94	8.6	0.0267
smg-1;pha-4, dead OP50		29.5374	0.89281	31.2	70/71	19.1	<0.0001
ttr-1;smg-1;pha-4, dead OP50		35.0624	0.7994	39.0972	92/96	41.4	<0.0001
Statistical comparison:							
smg-1;pha-4 vs. ttr-1;smg-1;pha-4							<0.0001

N2;control*(RNAi)*	20°C	14.5906	0.32877	14.0076	129/148	na	na
ttr-1;control*(RNAi)*		18.8092	0.49923	18.7688	135/153	28.9	<0.0001
aak-2;control*(RNAi)*		11.4474	0.19051	11.0687	119/147	-21.5	<0.0001
ttr-1;aak-2;control*(RNAi)*		12.2552	0.21148	12.0799	104/147	-16.0	<0.0001
Statistical comparison:							
ttr-1;control*(RNAi)* vs. *ttr-1;aak-2*;control*(RNAi)*							0.0022

N2;control*(RNAi)*	20°C	14.5906	0.32877	14.0076	129/148	na	na
ttr-1;control*(RNAi)*		18.8092	0.49923	18.7688	135/153	28.9	<0.0001
clk-1;control*(RNAi)*		20.6914	0.39637	21.2236	123/142	41.8	<0.0001
ttr-1;clk-1;control*(RNAi)*		17.5831	0.51389	18.3118	86/116	20.5	<0.0001
Statistical comparison:							
clk-1;control*(RNAi)* vs. *ttr-1;clk-1*;control*(RNAi)*							<0.0001

N2;control*(RNAi)*	20°C	15.7219	0.38795	16.7396	123/125	na	na
ttr-1;control*(RNAi)*		18.4288	0.35391	16.7396	121/125	17.2	<0.0001

clk-1;control*(RNAi)*		20.4521	0.45609	19.9215	119/125	30.1	<0.0001
ttr-1;clk-1;control*(RNAi)*		15.9368	0.58915	16.7396	117/124	1.4	0.0766
Statistical comparison:							
clk-1;control*(RNAi)* vs. *ttr-1;clk-1*;control*(RNAi)*							<0.0001

N2;control*(RNAi)*	20°C	15.7219	0.38795	16.7396	123/125	na	na
*ttr-1;*control*(RNAi)*		18.4288	0.35391	16.7396	121/125	17.2	<0.0001
*isp-1;*control*(RNAi)*		36.4727	0.87776	36.9924	82/84	132.0	<0.0001
*ttr-1;isp-1;*control*(RNAi)*		36.6151	1.04965	35.9924	76/76	132.9	<0.0001
Statistical comparison:							
*isp-1;*control*(RNAi)* vs. *ttr-1;isp-1*;control*(RNAi)*							0.559

Table S2A. Genes upregulated in *ttr-1(ok2250)* mutants compared to wildtype.

WormBase Gene ID	Public Name	baseMean	baseMeanA	baseMeanB	FC	log2FC	pval	padj
WBGene00007875	dod-24	12665.4	8443.4	16887.3	2.00	1.00	1.30E-16	4.37E-14
WBGene00004728	sax-2	17243.4	12734.3	21752.6	1.71	0.77	3.31E-13	4.70E-11
WBGene00016063	delm-2	69.5	27.4	111.5	4.07	2.02	1.40E-11	1.27E-09
WBGene00019576	K09E3.5	163.3	84.1	242.5	2.88	1.53	4.05E-11	3.17E-09
WBGene00011434	T04D3.5	3760.2	2795.3	4725.1	1.69	0.76	7.98E-11	5.73E-09
WBGene00012299	W06D11.1	802.9	563.8	1042.0	1.85	0.89	1.65E-10	1.07E-08
WBGene00003395	mom-2	9885.9	7543.9	12227.9	1.62	0.70	1.76E-10	1.14E-08
WBGene00011642	T09B9.1	1269.5	862.3	1676.7	1.94	0.96	2.20E-10	1.38E-08
WBGene00018355	ceh-86	353.7	224.3	483.0	2.15	1.11	2.32E-10	1.45E-08
WBGene00003979	pes-5	919.8	652.7	1186.9	1.82	0.86	2.43E-10	1.50E-08
WBGene00017843	F26G5.1	2341.7	1739.2	2944.1	1.69	0.76	2.60E-10	1.59E-08
WBGene00018138	folt-2	64534.0	49837.2	79230.8	1.59	0.67	3.49E-10	2.08E-08
WBGene00014208	ZK1067.2	24478.6	19109.7	29847.5	1.56	0.64	6.01E-10	3.36E-08
WBGene00009606	F40G12.11	2536.4	1894.6	3178.2	1.68	0.75	6.32E-10	3.50E-08
WBGene00003043	lip-1	10388.0	7998.1	12777.8	1.60	0.68	8.42E-10	4.43E-08
WBGene00004984	spn-4	74741.5	58246.2	91236.8	1.57	0.65	9.00E-10	4.65E-08
WBGene00007168	B0393.3	14096.1	10878.2	17313.9	1.59	0.67	1.14E-09	5.75E-08
WBGene00018099	ztf-28	1325.3	992.2	1658.4	1.67	0.74	1.47E-09	7.17E-08
WBGene00011812	T16H12.2	182.3	104.2	260.4	2.50	1.32	2.16E-09	1.01E-07
WBGene00015894	acdh-2	5600.9	2878.3	8323.6	2.89	1.53	2.19E-09	1.02E-07
WBGene00006996	zyg-11	19411.9	15171.5	23652.3	1.56	0.64	2.81E-09	1.27E-07
WBGene00008080	C44B9.3	2470.4	1880.0	3060.7	1.63	0.70	3.00E-09	1.34E-07
WBGene00000395	cdh-3	901.7	649.9	1153.5	1.77	0.83	4.69E-09	1.99E-07
WBGene00007391	C06H2.7	1281.0	950.7	1611.3	1.69	0.76	4.82E-09	2.04E-07
WBGene00007225	C01G6.3	6232.7	4399.1	8066.4	1.83	0.87	5.00E-09	2.11E-07
WBGene00022455	tyms-1	3790.5	2908.3	4672.7	1.61	0.68	5.06E-09	2.13E-07
WBGene00004820	skr-14	308.2	202.8	413.5	2.04	1.03	5.81E-09	2.43E-07
WBGene00000465	cpg-1	158886.4	126226.4	191546.5	1.52	0.60	6.27E-09	2.60E-07
WBGene00009896	scl-3	687.9	483.3	892.5	1.85	0.88	6.74E-09	2.78E-07
WBGene00016139	ntl-9	10141.2	7945.5	12337.0	1.55	0.63	8.70E-09	3.50E-07
WBGene00010051	F54D5.5	3302.0	2525.7	4078.4	1.61	0.69	1.00E-08	3.97E-07
WBGene00003231	mex-6	37284.2	29572.8	44995.6	1.52	0.61	1.02E-08	4.04E-07
WBGene00004078	pos-1	56383.0	44513.8	68252.2	1.53	0.62	1.24E-08	4.77E-07
WBGene00016520	C39B5.2	159.1	95.2	222.9	2.34	1.23	1.35E-08	5.19E-07
WBGene00003026	lin-41	56761.5	45280.3	68242.7	1.51	0.59	1.80E-08	6.79E-07
WBGene00017538	ceh-49	1234.1	929.1	1539.1	1.66	0.73	2.32E-08	8.53E-07
WBGene00001949	hlh-2	1567.3	1179.3	1955.3	1.66	0.73	2.40E-08	8.78E-07
WBGene00002124	inx-2	1432.2	1082.3	1782.0	1.65	0.72	2.50E-08	9.08E-07
WBGene00016486	fbxa-170	914.8	678.7	1151.0	1.70	0.76	2.59E-08	9.38E-07
WBGene00007171	B0393.6	8835.2	7016.1	10654.4	1.52	0.60	3.02E-08	1.08E-06
WBGene00015623	C09B8.4	1394.5	690.8	2098.2	3.04	1.60	3.17E-08	1.12E-06
WBGene00010093	capg-2	10855.7	8595.5	13115.8	1.53	0.61	3.38E-08	1.19E-06
WBGene00006431	tag-52	1751.3	1341.6	2161.0	1.61	0.69	3.95E-08	1.36E-06
WBGene00000913	daf-18	51759.6	41547.7	61971.5	1.49	0.58	4.23E-08	1.45E-06
WBGene00012686	Y39B6A.27	280.4	187.2	373.7	2.00	1.00	4.40E-08	1.50E-06
WBGene00010609	dut-1	21837.9	17457.7	26218.2	1.50	0.59	5.84E-08	1.94E-06
WBGene00022586	ZC308.4	7024.9	5229.7	8820.2	1.69	0.75	6.26E-08	2.08E-06

WBGene00010519	K03A11.1	253.0	161.3	344.8	2.14	1.10	6.90E-08	2.27E-06
WBGene00003865	oma-2	41372.2	33245.4	49499.1	1.49	0.57	7.91E-08	2.54E-06
WBGene00010351	cbd-1	239993.5	194074.5	285912.5	1.47	0.56	7.94E-08	2.55E-06
WBGene00009186	trcs-1	34421.9	27630.6	41213.2	1.49	0.58	9.74E-08	3.03E-06
WBGene00004771	sem-2	800.5	599.3	1001.7	1.67	0.74	1.10E-07	3.39E-06
WBGene00009086	F23D12.2	1095.3	774.4	1416.2	1.83	0.87	1.12E-07	3.43E-06
WBGene00014115	gld-4	29837.9	24142.8	35533.1	1.47	0.56	1.43E-07	4.28E-06
WBGene00018037	chtl-1	4096.4	3208.1	4984.6	1.55	0.64	1.43E-07	4.29E-06
WBGene00006977	zif-1	12163.4	9805.2	14521.5	1.48	0.57	1.47E-07	4.40E-06
WBGene00016485	meg-4	3189.1	2476.5	3901.7	1.58	0.66	1.57E-07	4.68E-06
WBGene00019381	K04C2.3	4786.7	3778.3	5795.2	1.53	0.62	1.60E-07	4.75E-06
WBGene00006443	pak-2	8657.0	6982.9	10331.1	1.48	0.57	1.67E-07	4.96E-06
WBGene00019606	clec-88	23066.4	18246.2	27886.6	1.53	0.61	1.79E-07	5.28E-06
WBGene00011898	T21C9.13	8593.4	6853.1	10333.7	1.51	0.59	1.89E-07	5.53E-06
WBGene00000935	daz-1	35066.2	28581.2	41551.3	1.45	0.54	1.91E-07	5.59E-06
WBGene00020896	T28D9.4	3622.0	2885.2	4358.8	1.51	0.60	2.98E-07	8.28E-06
WBGene00006868	vab-1	13640.1	11088.4	16191.7	1.46	0.55	3.01E-07	8.37E-06
WBGene00021035	W05F2.3	27259.1	21832.7	32685.5	1.50	0.58	3.02E-07	8.39E-06
WBGene00004391	rnr-1	36233.2	29417.5	43048.9	1.46	0.55	3.07E-07	8.51E-06
WBGene00000870	cyd-1	389.6	276.7	502.4	1.82	0.86	3.41E-07	9.40E-06
WBGene00044316	F41G3.21	275.5	177.7	373.2	2.10	1.07	3.51E-07	9.63E-06
WBGene00044644	B0205.13	193.5	89.7	297.2	3.31	1.73	3.75E-07	1.02E-05
WBGene00012021	T25E12.6	162.9	99.1	226.7	2.29	1.19	3.78E-07	1.03E-05
WBGene00019779	endu-2	9211.3	5969.6	12453.0	2.09	1.06	3.78E-07	1.03E-05
WBGene00008789	F14D7.2	4789.3	3838.8	5739.8	1.50	0.58	4.05E-07	1.10E-05
WBGene00010549	K03H4.2	5236.5	4224.2	6248.8	1.48	0.56	4.15E-07	1.12E-05
WBGene00003155	mcm-3	26378.4	21466.2	31290.6	1.46	0.54	4.13E-07	1.12E-05
WBGene00019584	set-12	177.2	113.1	241.2	2.13	1.09	4.43E-07	1.19E-05
WBGene00016603	met-1	16238.4	13279.3	19197.5	1.45	0.53	5.41E-07	1.42E-05
WBGene00020948	era-1	18942.3	15428.7	22455.9	1.46	0.54	6.08E-07	1.59E-05
WBGene00000772	cpb-3	27080.5	22203.9	31957.0	1.44	0.53	6.15E-07	1.60E-05
WBGene00013254	tag-276	116.2	53.2	179.2	3.37	1.75	6.24E-07	1.62E-05
WBGene00010492	meg-1	14344.1	11700.2	16988.0	1.45	0.54	6.97E-07	1.80E-05
WBGene00020290	T06D4.1	4358.0	3529.7	5186.3	1.47	0.56	7.36E-07	1.88E-05
WBGene00018786	hmbx-1	762.8	584.4	941.2	1.61	0.69	7.72E-07	1.96E-05
WBGene00000156	apr-1	13046.8	10702.6	15391.0	1.44	0.52	8.42E-07	2.12E-05
WBGene00011509	T05H10.4	3320.7	2679.0	3962.4	1.48	0.56	8.70E-07	2.18E-05
WBGene00003784	nos-2	7061.1	5737.4	8384.8	1.46	0.55	8.82E-07	2.20E-05
WBGene00002117	ins-34	151.7	98.8	204.6	2.07	1.05	9.02E-07	2.25E-05
WBGene00016045	spas-1	8627.6	7048.9	10206.3	1.45	0.53	9.36E-07	2.33E-05
WBGene00017548	F18A1.7	21720.4	17657.0	25783.7	1.46	0.55	1.00E-06	2.48E-05
WBGene00015887	C17C3.1	4558.8	3676.1	5441.5	1.48	0.57	1.07E-06	2.65E-05
WBGene00006595	top-1	26194.6	21534.7	30854.5	1.43	0.52	1.11E-06	2.72E-05
WBGene00021541	Y42H9B.3	8295.8	6731.5	9860.1	1.46	0.55	1.13E-06	2.76E-05
WBGene00001597	gld-3	32534.2	26771.7	38296.6	1.43	0.52	1.18E-06	2.89E-05
WBGene00004241	puf-5	81609.2	67658.1	95560.2	1.41	0.50	1.19E-06	2.90E-05
WBGene00012436	flh-3	1910.0	1487.3	2332.8	1.57	0.65	1.32E-06	3.19E-05
WBGene00006804	unc-71	9957.1	7933.0	11981.2	1.51	0.59	1.32E-06	3.19E-05
WBGene00022262	Y73C8C.3	66.0	30.8	101.3	3.29	1.72	1.33E-06	3.21E-05
WBGene00011489	T05F1.2	23518.2	19337.4	27698.9	1.43	0.52	1.43E-06	3.44E-05
WBGene00004765	sel-8	3178.9	2604.5	3753.4	1.44	0.53	1.47E-06	3.52E-05

WBGene00000411	cdl-1	17623.1	14527.1	20719.1	1.43	0.51	1.65E-06	3.91E-05
WBGene00001606	gln-5	20010.5	16501.6	23519.5	1.43	0.51	1.66E-06	3.92E-05
WBGene00002245	lag-1	11414.3	9393.7	13434.9	1.43	0.52	1.73E-06	4.06E-05
WBGene00020379	T09B4.5	1145.9	775.4	1516.4	1.96	0.97	1.79E-06	4.19E-05
WBGene00009939	ztf-11	791.6	611.4	971.8	1.59	0.67	1.82E-06	4.25E-05
WBGene00008526	F02D10.6	291.2	198.3	384.1	1.94	0.95	1.95E-06	4.53E-05
WBGene00002125	inx-3	3425.4	2761.5	4089.3	1.48	0.57	2.04E-06	4.72E-05
WBGene00000894	dab-1	32431.8	26876.5	37987.0	1.41	0.50	2.09E-06	4.81E-05
WBGene00012879	fbxa-215	17435.9	14372.5	20499.2	1.43	0.51	2.29E-06	5.23E-05
WBGene00011376	gla-3	20441.7	16952.3	23931.1	1.41	0.50	2.31E-06	5.27E-05
WBGene00008405	ttll-12	12938.9	10630.3	15247.4	1.43	0.52	2.35E-06	5.35E-05
WBGene00016816	C50E3.5	6149.0	5077.3	7220.7	1.42	0.51	2.36E-06	5.37E-05
WBGene00016971	toe-2	6478.9	5329.6	7628.2	1.43	0.52	2.36E-06	5.38E-05
WBGene00011820	T18D3.1	1350.6	1075.3	1625.9	1.51	0.60	2.45E-06	5.54E-05
WBGene00003601	nhr-2	994.0	755.7	1232.3	1.63	0.71	2.49E-06	5.63E-05
WBGene00044319	tag-266	2016.6	1628.9	2404.3	1.48	0.56	2.51E-06	5.66E-05
WBGene00019967	cyp-33C8	924.8	685.1	1164.6	1.70	0.77	2.51E-06	5.67E-05
WBGene00002144	inx-22	9061.3	7452.5	10670.2	1.43	0.52	2.58E-06	5.80E-05
WBGene00019971	ergo-1	26139.5	21654.2	30624.8	1.41	0.50	2.58E-06	5.80E-05
WBGene00007624	hrde-1	81748.0	68306.3	95189.6	1.39	0.48	2.73E-06	6.07E-05
WBGene00018446	ceh-83	1244.9	989.4	1500.5	1.52	0.60	2.82E-06	6.25E-05
WBGene00008172	C48B4.9	3188.6	2570.7	3806.5	1.48	0.57	2.87E-06	6.35E-05
WBGene00007979	imp-1	19440.5	16013.6	22867.5	1.43	0.51	2.89E-06	6.40E-05
WBGene00022669	ZK177.1	1667.6	1260.7	2074.5	1.65	0.72	3.12E-06	6.84E-05
WBGene00007433	swsn-7	26135.5	21670.9	30600.1	1.41	0.50	3.20E-06	6.99E-05
WBGene00006552	tbx-33	532.2	401.9	662.5	1.65	0.72	3.22E-06	7.03E-05
WBGene00004217	ptr-2	21688.2	17944.5	25431.9	1.42	0.50	3.24E-06	7.06E-05
WBGene00010555	K04C1.5	4104.9	3332.1	4877.7	1.46	0.55	3.29E-06	7.16E-05
WBGene00003976	pes-1	196.9	131.7	262.1	1.99	0.99	3.49E-06	7.55E-05
WBGene00021247	Y22D7AL.9	864.7	684.0	1045.4	1.53	0.61	3.62E-06	7.81E-05
WBGene00021763	Y51F10.2	13743.5	11275.0	16211.9	1.44	0.52	3.68E-06	7.91E-05
WBGene00003020	lin-35	11211.1	9295.5	13126.6	1.41	0.50	3.73E-06	8.00E-05
WBGene00011350	perm-1	11229.9	9272.4	13187.3	1.42	0.51	3.81E-06	8.15E-05
WBGene00011435	T04D3.8	417.1	263.7	570.5	2.16	1.11	3.82E-06	8.17E-05
WBGene00000413	cdt-1	5917.2	4878.1	6956.3	1.43	0.51	3.82E-06	8.17E-05
WBGene00007330	C05C10.3	34802.6	29020.9	40584.2	1.40	0.48	3.84E-06	8.19E-05
WBGene00003184	mei-2	9065.6	7386.1	10745.1	1.45	0.54	3.90E-06	8.32E-05
WBGene00010149	F56D5.5	262.2	185.1	339.2	1.83	0.87	4.17E-06	8.83E-05
WBGene00016577	clec-3	131.7	56.2	207.3	3.69	1.88	4.25E-06	8.97E-05
WBGene00015586	C08A9.6	580.6	436.9	724.3	1.66	0.73	4.27E-06	9.02E-05
WBGene00007643	marc-3	12176.1	10130.0	14222.2	1.40	0.49	4.33E-06	9.13E-05
WBGene00013862	wdr-5.3	9097.9	7577.6	10618.2	1.40	0.49	4.61E-06	9.65E-05
WBGene00004204	swsn-4	31761.2	26437.9	37084.6	1.40	0.49	4.86E-06	0.000101223
WBGene00019738	clec-265	5422.4	4264.4	6580.4	1.54	0.63	5.08E-06	0.000105428
WBGene00001607	gln-6	43728.0	36589.4	50866.6	1.39	0.48	5.09E-06	0.000105531
WBGene00004721	san-1	4889.1	4001.6	5776.7	1.44	0.53	5.24E-06	0.000108539
WBGene00016501	C37C3.9	10662.1	8792.8	12531.4	1.43	0.51	5.50E-06	0.000113282
WBGene00004214	ptp-2	12455.4	10373.9	14536.9	1.40	0.49	5.65E-06	0.000116166
WBGene00004208	ptc-1	73361.3	61270.6	85452.1	1.39	0.48	5.90E-06	0.000120521
WBGene00011614	nfya-1	1439.7	1158.9	1720.5	1.48	0.57	6.26E-06	0.000127603
WBGene00014199	ZK1053.4	548.8	369.9	727.8	1.97	0.98	6.65E-06	0.000134726

WBGene00009007	otub-3	10803.2	8985.5	12620.8	1.40	0.49	6.71E-06	0.000135652
WBGene00003229	mex-3	35596.9	29910.7	41283.1	1.38	0.46	6.90E-06	0.000139307
WBGene00003508	mut-16	15494.9	13001.3	17988.5	1.38	0.47	6.98E-06	0.000140842
WBGene00001609	glp-1	22662.8	19011.1	26314.5	1.38	0.47	7.09E-06	0.000142704
WBGene00010367	H05L14.2	11614.2	9714.0	13514.4	1.39	0.48	7.11E-06	0.000143026
WBGene00004027	pie-1	6348.7	5280.7	7416.7	1.40	0.49	7.36E-06	0.000147829
WBGene00004750	sea-1	1169.7	857.3	1482.0	1.73	0.79	7.37E-06	0.000147895
WBGene00010281	F58G11.3	13306.3	11078.7	15533.8	1.40	0.49	7.62E-06	0.000152281
WBGene00021233	Y19D10B.4	168.7	64.2	273.1	4.25	2.09	7.75E-06	0.000154672
WBGene00011143	R08D7.2	4555.4	3762.1	5348.7	1.42	0.51	7.78E-06	0.000155154
WBGene00010256	hrg-3	58.3	25.6	91.0	3.55	1.83	7.89E-06	0.000157168
WBGene00000496	chs-1	48593.0	40664.9	56521.1	1.39	0.48	8.08E-06	0.00016064
WBGene00006940	wee-1.3	21683.6	18147.2	25220.1	1.39	0.47	8.08E-06	0.00016064
WBGene00007290	C04B4.2	7185.9	5931.3	8440.5	1.42	0.51	8.32E-06	0.000164793
WBGene00012716	Y39E4B.5	9233.5	7681.1	10786.0	1.40	0.49	8.56E-06	0.000169409
WBGene00019811	egg-2	19593.6	16403.6	22783.6	1.39	0.47	8.59E-06	0.000169969
WBGene00003864	oma-1	36134.1	30240.4	42027.8	1.39	0.47	8.98E-06	0.000176863
WBGene00006546	tbx-9	1185.7	919.9	1451.5	1.58	0.66	9.04E-06	0.000177909
WBGene00004180	pri-1	4745.5	3936.5	5554.4	1.41	0.50	9.21E-06	0.000180846
WBGene00016303	fbxc-32	908.9	702.7	1115.0	1.59	0.67	9.27E-06	0.000181728
WBGene00000884	cyn-8	1480.0	1195.7	1764.3	1.48	0.56	9.37E-06	0.000183492
WBGene00013425	ceh-91	2523.2	2081.5	2965.0	1.42	0.51	9.37E-06	0.000183492
WBGene00018137	bath-41	11876.4	9861.1	13891.7	1.41	0.49	9.39E-06	0.000183596
WBGene00013994	ZK524.4	10251.6	8554.2	11949.0	1.40	0.48	9.40E-06	0.000183596
WBGene00013270	Y57A10A.31	21475.5	18100.7	24850.3	1.37	0.46	9.42E-06	0.000183797
WBGene00011747	sna-2	14126.4	11798.3	16454.5	1.39	0.48	9.63E-06	0.000187865
WBGene00018152	acs-4	58610.1	49233.6	67986.7	1.38	0.47	1.02E-05	0.000197181
WBGene00006555	tbx-36	1132.6	901.2	1363.9	1.51	0.60	1.02E-05	0.000197705
WBGene00003222	mes-4	10385.7	8677.6	12093.8	1.39	0.48	1.02E-05	0.00019836
WBGene00009899	efl-3	653.3	505.3	801.4	1.59	0.67	1.04E-05	0.000201135
WBGene00012650	orc-1	12829.3	10486.1	15172.4	1.45	0.53	1.06E-05	0.000204606
WBGene00001087	dpy-28	10816.4	9044.7	12588.1	1.39	0.48	1.08E-05	0.000207275
WBGene00017724	F22F7.7	1394.1	1105.2	1683.0	1.52	0.61	1.09E-05	0.000209844
WBGene00017931	picc-1	10352.6	8632.4	12072.9	1.40	0.48	1.11E-05	0.000211841
WBGene00022488	orc-3	3961.0	3289.3	4632.7	1.41	0.49	1.14E-05	0.00021759
WBGene00012247	W04E12.2	164.6	104.7	224.5	2.14	1.10	1.17E-05	0.000222485
WBGene00015484	atgl-1	9633.7	8033.0	11234.4	1.40	0.48	1.17E-05	0.000222815
WBGene00003540	nas-21	200.8	131.3	270.3	2.06	1.04	1.18E-05	0.000224482
WBGene00005021	sqv-3	3500.2	2876.2	4124.1	1.43	0.52	1.18E-05	0.000224482
WBGene00014117	clec-91	13241.8	10806.8	15676.7	1.45	0.54	1.21E-05	0.000228666
WBGene00011615	lsd-1	1408.6	1131.9	1685.3	1.49	0.57	1.21E-05	0.000228701
WBGene00020758	T24C4.2	329.0	220.2	437.8	1.99	0.99	1.23E-05	0.00023274
WBGene00018303	F41G3.10	2046.6	1492.2	2600.9	1.74	0.80	1.23E-05	0.00023274
WBGene00018285	smk-1	23374.1	19628.1	27120.2	1.38	0.47	1.24E-05	0.000233435
WBGene00014097	ZK829.9	8631.8	7214.0	10049.6	1.39	0.48	1.25E-05	0.000236195
WBGene00023418	R06F6.12	3480.5	2877.8	4083.2	1.42	0.50	1.28E-05	0.000240048
WBGene00000868	cyb-3	60922.5	50952.0	70893.0	1.39	0.48	1.28E-05	0.000240384
WBGene00007645	C17E4.6	9464.9	7879.8	11050.0	1.40	0.49	1.31E-05	0.000245211
WBGene00019118	F59E12.1	13555.3	11329.0	15781.7	1.39	0.48	1.31E-05	0.000245341
WBGene00008641	pch-2	4425.0	3660.1	5190.0	1.42	0.50	1.32E-05	0.000247382
WBGene00019608	ani-2	32726.1	27618.6	37833.6	1.37	0.45	1.39E-05	0.000258237

WBGene00008784	F14B6.3	73.8	37.2	110.4	2.97	1.57	1.40E-05	0.00026054
WBGene00007286	C04A11.2	240.2	170.0	310.4	1.83	0.87	1.43E-05	0.000265456
WBGene00008710	F11E6.7	18585.8	15699.6	21472.1	1.37	0.45	1.44E-05	0.000267454
WBGene00010081	F55A11.8	2334.4	1911.1	2757.8	1.44	0.53	1.45E-05	0.000269195
WBGene00002148	gon-14	17686.8	14838.0	20535.5	1.38	0.47	1.50E-05	0.000276748
WBGene00020821	jhdm-1	19571.0	16447.1	22695.0	1.38	0.46	1.51E-05	0.000278071
WBGene00021745	Y50D4B.6	255.3	186.8	323.9	1.73	0.79	1.51E-05	0.000278929
WBGene00021832	Y54E10A.12	6321.4	5268.5	7374.2	1.40	0.49	1.54E-05	0.000282237
WBGene00016944	uri-1	9149.1	7649.5	10648.7	1.39	0.48	1.55E-05	0.000283163
WBGene00011036	edc-3	17005.1	14344.3	19665.9	1.37	0.46	1.55E-05	0.000283163
WBGene00002985	lig-1	13655.8	11496.2	15815.3	1.38	0.46	1.56E-05	0.000284907
WBGene00044376	Y49F6B.12	16.3	4.2	28.3	6.77	2.76	1.60E-05	0.000291863
WBGene00000871	cye-1	14978.8	12636.6	17321.0	1.37	0.45	1.60E-05	0.000291927
WBGene00012888	sas-6	6922.8	5754.8	8090.8	1.41	0.49	1.61E-05	0.000293836
WBGene00017031	D1044.6	17358.0	14625.6	20090.3	1.37	0.46	1.65E-05	0.000298703
WBGene00007042	pbrm-1	24294.1	20499.8	28088.5	1.37	0.45	1.65E-05	0.000298908
WBGene00016453	vet-2	601.1	385.7	816.4	2.12	1.08	1.66E-05	0.000299829
WBGene00013383	aptf-2	1511.3	1215.6	1807.0	1.49	0.57	1.69E-05	0.000306611
WBGene00017985	neg-1	6583.1	5477.4	7688.8	1.40	0.49	1.70E-05	0.000306719
WBGene00000102	akt-1	18549.3	15619.5	21479.2	1.38	0.46	1.74E-05	0.000313429
WBGene00004392	rnr-2	38269.4	30608.9	45929.8	1.50	0.59	1.75E-05	0.000315116
WBGene00016353	C33F10.4	1693.9	1371.6	2016.3	1.47	0.56	1.78E-05	0.00031969
WBGene00004324	rde-2	5456.5	4558.8	6354.2	1.39	0.48	1.78E-05	0.00031969
WBGene00015766	C14C11.2	4114.1	3446.6	4781.5	1.39	0.47	1.80E-05	0.000323844
WBGene00000785	cpr-5	34601.6	26891.2	42312.0	1.57	0.65	1.85E-05	0.000331069
WBGene00003161	mdf-2	5612.7	4663.3	6562.1	1.41	0.49	1.86E-05	0.000332377
WBGene00011153	R09A8.2	2125.7	1743.8	2507.6	1.44	0.52	1.90E-05	0.000338382
WBGene00000550	clu-1	56174.3	47599.5	64749.2	1.36	0.44	1.90E-05	0.000338473
WBGene00004334	ref-1	379.3	268.6	489.9	1.82	0.87	1.94E-05	0.000344
WBGene00003157	mcm-5	25641.0	21553.7	29728.4	1.38	0.46	1.97E-05	0.000349516
WBGene00018577	asna-2	407.2	306.4	507.9	1.66	0.73	1.99E-05	0.000352763
WBGene00008210	C49F5.6	3545.9	2942.2	4149.6	1.41	0.50	2.04E-05	0.000361013
WBGene00015312	C01G8.1	17249.7	14559.0	19940.5	1.37	0.45	2.13E-05	0.000374085
WBGene00003150	mbk-2	37288.8	31454.7	43122.9	1.37	0.46	2.13E-05	0.000374477
WBGene00017134	EEED8.3	7230.0	5367.3	9092.6	1.69	0.76	2.14E-05	0.000375869
WBGene00003159	mcm-7	36793.5	31175.1	42412.0	1.36	0.44	2.19E-05	0.000383037
WBGene00020375	pigv-1	22482.4	18881.3	26083.5	1.38	0.47	2.20E-05	0.000384215
WBGene00006739	ulp-4	15266.1	12877.9	17654.3	1.37	0.46	2.22E-05	0.000388486
WBGene00003083	lst-1	9020.7	7585.2	10456.3	1.38	0.46	2.25E-05	0.000392782
WBGene00010828	M02B1.3	14413.9	12100.0	16727.9	1.38	0.47	2.27E-05	0.000394842
WBGene00001510	fzr-1	9604.1	8105.6	11102.5	1.37	0.45	2.31E-05	0.000400991
WBGene00012435	flh-1	10283.9	8613.4	11954.4	1.39	0.47	2.41E-05	0.000418339
WBGene00006466	tag-115	3290.5	2733.6	3847.3	1.41	0.49	2.44E-05	0.000423285
WBGene00009163	drsh-1	8757.2	7370.8	10143.5	1.38	0.46	2.46E-05	0.000425215
WBGene00008921	F17C11.10	22116.1	18623.2	25609.0	1.38	0.46	2.47E-05	0.000426913
WBGene00016138	flh-2	1629.6	1330.9	1928.2	1.45	0.53	2.49E-05	0.000429593
WBGene00010120	dot-1.4	76.2	43.9	108.5	2.47	1.30	2.50E-05	0.000431185
WBGene00020760	T24C4.4	161.4	108.9	213.8	1.96	0.97	2.51E-05	0.000431784
WBGene00016937	tag-294	1994.4	1647.3	2341.6	1.42	0.51	2.53E-05	0.000434634
WBGene00016695	C45H4.14	215.7	127.9	303.4	2.37	1.25	2.55E-05	0.000436385
WBGene00008035	C39E9.12	8066.6	6804.8	9328.3	1.37	0.46	2.58E-05	0.00043961

WBGene00016238	C30A5.3	12639.1	10653.3	14625.0	1.37	0.46	2.60E-05	0.000442491
WBGene00006406	srgp-1	25231.8	21291.9	29171.7	1.37	0.45	2.64E-05	0.000449565
WBGene00022775	ZK616.5	7355.0	6193.4	8516.6	1.38	0.46	2.66E-05	0.00045173
WBGene00003209	mel-26	17684.1	14890.7	20477.5	1.38	0.46	2.69E-05	0.000456208
WBGene00010621	egg-6	45337.3	38332.7	52341.9	1.37	0.45	2.75E-05	0.000464869
WBGene00010409	H21P03.2	6353.8	5338.0	7369.6	1.38	0.47	2.77E-05	0.000467726
WBGene00012277	ccch-3	2485.7	2064.8	2906.7	1.41	0.49	2.78E-05	0.000469421
WBGene00019217	athp-2	11679.3	9839.0	13519.7	1.37	0.46	2.79E-05	0.000470272
WBGene00011312	trcs-2	18522.1	15654.5	21389.7	1.37	0.45	2.79E-05	0.0004703
WBGene00017397	F12A10.8	2805.2	2335.3	3275.0	1.40	0.49	2.91E-05	0.000487697
WBGene00006394	taf-11.2	3768.0	3090.8	4445.3	1.44	0.52	2.96E-05	0.000494326
WBGene00009701	egg-3	14834.7	12500.2	17169.2	1.37	0.46	2.96E-05	0.000494326
WBGene00045434	Y95D11A.3	2335.5	1923.8	2747.3	1.43	0.51	2.98E-05	0.00049708
WBGene00010502	K02C4.3	22912.9	19370.7	26455.2	1.37	0.45	2.99E-05	0.000499646
WBGene00015102	cpg-2	201485.6	171625.4	231345.7	1.35	0.43	3.03E-05	0.00050447
WBGene00001194	egl-27	20373.9	17323.6	23424.3	1.35	0.44	3.05E-05	0.000507949
WBGene00004132	ifet-1	113460.1	96798.3	130122.0	1.34	0.43	3.05E-05	0.000507949
WBGene00017265	snpc-1.3	325.5	238.3	412.8	1.73	0.79	3.08E-05	0.000512303
WBGene00003410	mrp-4	31423.0	26662.1	36183.9	1.36	0.44	3.10E-05	0.000513932
WBGene00004028	pif-1	3462.2	2895.9	4028.5	1.39	0.48	3.17E-05	0.000525971
WBGene00009127	clsp-1	9005.1	7585.6	10424.6	1.37	0.46	3.22E-05	0.000532297
WBGene00008145	set-5	4950.3	4186.9	5713.7	1.36	0.45	3.24E-05	0.000535284
WBGene00017766	peli-1	1486.5	1219.6	1753.3	1.44	0.52	3.29E-05	0.000542827
WBGene00019013	tofu-4	2238.0	1851.2	2624.8	1.42	0.50	3.30E-05	0.000543567
WBGene00000423	ced-9	4217.4	3542.6	4892.3	1.38	0.47	3.30E-05	0.000544665
WBGene00016317	C32D5.10	7941.1	6720.5	9161.8	1.36	0.45	3.33E-05	0.000549239
WBGene00004782	set-2	13268.5	11246.8	15290.2	1.36	0.44	3.38E-05	0.000556122
WBGene00000094	agt-2	2280.1	1880.0	2680.3	1.43	0.51	3.44E-05	0.000564805
WBGene00006562	tdc-1	17728.8	14983.0	20474.6	1.37	0.45	3.48E-05	0.000569623
WBGene00009006	F21D5.1	20839.4	17629.6	24049.2	1.36	0.45	3.48E-05	0.000569623
WBGene00003405	mre-11	10098.8	8536.0	11661.7	1.37	0.45	3.52E-05	0.000575887
WBGene00011240	R11A8.7	48399.2	41289.0	55509.4	1.34	0.43	3.53E-05	0.000576922
WBGene00018511	F46F11.8	5646.0	4750.7	6541.4	1.38	0.46	3.55E-05	0.000579118
WBGene00009372	evl-18	7965.0	6709.8	9220.2	1.37	0.46	3.55E-05	0.000579118
WBGene00020665	T22B2.1	118.4	56.2	180.6	3.21	1.68	3.81E-05	0.000617482
WBGene00021316	Y32H12A.8	13432.7	11486.5	15378.9	1.34	0.42	3.92E-05	0.000634119
WBGene00000931	dao-5	43812.3	37590.9	50033.7	1.33	0.41	3.92E-05	0.000634119
WBGene00015971	swsn-2.2	5620.7	4741.7	6499.8	1.37	0.45	3.97E-05	0.000641495
WBGene00015055	pitr-3	303.2	218.3	388.1	1.78	0.83	3.97E-05	0.000641982
WBGene00194949	Y10G11A.90	691.7	527.5	855.8	1.62	0.70	4.02E-05	0.000648603
WBGene00006542	tbp-1	7876.8	6624.9	9128.7	1.38	0.46	4.03E-05	0.000648718
WBGene00019153	H04M03.3	1496.0	1121.7	1870.3	1.67	0.74	4.17E-05	0.000668181
WBGene00004110	pqn-20	29600.5	25420.2	33780.8	1.33	0.41	4.19E-05	0.000670172
WBGene00009661	patr-1	39287.5	33503.5	45071.4	1.35	0.43	4.23E-05	0.000675548
WBGene00002276	lem-3	8443.3	7152.0	9734.6	1.36	0.44	4.27E-05	0.000682244
WBGene00003230	mex-5	80433.0	68565.2	92300.8	1.35	0.43	4.27E-05	0.000682244
WBGene00011087	R07B7.2	8329.2	7051.4	9606.9	1.36	0.45	4.28E-05	0.00068282
WBGene00003241	mig-5	10269.5	8653.5	11885.6	1.37	0.46	4.31E-05	0.000686724
WBGene00013596	nyn-2	4005.6	3362.2	4648.9	1.38	0.47	4.33E-05	0.000690306
WBGene00044371	ZC239.20	13.1	2.1	24.1	11.23	3.49	4.46E-05	0.000708919
WBGene00011532	chaf-1	10103.3	8557.3	11649.3	1.36	0.45	4.47E-05	0.000709597

WBGene00017263	F08F3.6	4123.9	3391.7	4856.0	1.43	0.52	4.51E-05	0.000715672
WBGene00017066	maco-1	18295.1	15537.0	21053.2	1.36	0.44	4.55E-05	0.000720058
WBGene00013980	dos-1	415.4	317.1	513.7	1.62	0.70	4.55E-05	0.000720219
WBGene00008825	F14H3.6	9755.1	8235.7	11274.4	1.37	0.45	4.58E-05	0.000724289
WBGene00007709	clec-87	85455.8	72413.7	98497.9	1.36	0.44	4.67E-05	0.000738276
WBGene00006619	try-1	3142.1	2474.2	3810.0	1.54	0.62	4.69E-05	0.000739116
WBGene00011318	cdt-2	8305.7	7038.8	9572.6	1.36	0.44	4.75E-05	0.000748866
WBGene00017360	F10E9.11	2274.3	1882.5	2666.0	1.42	0.50	4.86E-05	0.000764155
WBGene00003367	mix-1	14849.8	12630.8	17068.8	1.35	0.43	4.90E-05	0.000769554
WBGene00011451	T04H1.5	2232.2	1845.4	2619.0	1.42	0.51	4.91E-05	0.000771374
WBGene00002042	hus-1	1910.4	1575.1	2245.7	1.43	0.51	4.95E-05	0.00077648
WBGene00009668	cfim-1	4227.4	3552.8	4902.0	1.38	0.46	4.95E-05	0.00077648
WBGene00008218	nasp-2	77772.6	66214.4	89330.9	1.35	0.43	5.04E-05	0.000787719
WBGene00020404	T10B11.8	4157.3	3503.3	4811.3	1.37	0.46	5.04E-05	0.000788362
WBGene00001514	xnd-1	16689.2	14292.3	19086.2	1.34	0.42	5.10E-05	0.000795657
WBGene00006974	zen-4	18701.9	15895.7	21508.0	1.35	0.44	5.12E-05	0.00079869
WBGene00009174	F26H9.2	7323.6	6218.4	8428.9	1.36	0.44	5.14E-05	0.000800512
WBGene00077732	szy-4	19972.5	16988.6	22956.4	1.35	0.43	5.24E-05	0.000813852
WBGene00017934	F30B5.4	6345.9	5403.0	7288.7	1.35	0.43	5.27E-05	0.000818118
WBGene00019953	wapl-1	12209.6	10365.9	14053.2	1.36	0.44	5.32E-05	0.000823422
WBGene00010080	F55A11.7	7188.4	6084.6	8292.2	1.36	0.45	5.38E-05	0.000832176
WBGene00002169	isw-1	24100.9	20492.8	27708.9	1.35	0.44	5.46E-05	0.000844605
WBGene00006349	sur-2	6619.4	5581.6	7657.2	1.37	0.46	5.54E-05	0.000856824
WBGene00007023	mdt-27	5417.2	4573.4	6261.0	1.37	0.45	5.59E-05	0.000862184
WBGene00007297	C04F12.1	6911.4	5826.4	7996.5	1.37	0.46	5.62E-05	0.000866918
WBGene00007012	mdt-4	3794.4	3191.4	4397.5	1.38	0.46	5.63E-05	0.000868359
WBGene00010061	F54E12.2	31422.0	26836.2	36007.8	1.34	0.42	5.65E-05	0.000870124
WBGene00011300	R107.5	8701.4	7332.0	10070.8	1.37	0.46	5.87E-05	0.00090149
WBGene00000250	bir-2	3456.8	2886.8	4026.7	1.39	0.48	5.89E-05	0.000904115
WBGene00016409	sumv-1	12140.8	10334.0	13947.6	1.35	0.43	5.89E-05	0.000904375
WBGene00007860	rilp-1	5355.5	4522.8	6188.2	1.37	0.45	5.98E-05	0.000916628
WBGene00017177	F02E8.4	7860.6	6665.0	9056.2	1.36	0.44	6.01E-05	0.000921178
WBGene00002072	ima-1	14048.7	11909.7	16187.7	1.36	0.44	6.07E-05	0.000928469
WBGene00006795	unc-61	12136.4	10322.3	13950.4	1.35	0.43	6.11E-05	0.000932398
WBGene00013319	ccch-5	211.2	136.7	285.7	2.09	1.06	6.16E-05	0.000939063
WBGene00001061	dpl-1	11174.0	9542.4	12805.5	1.34	0.42	6.24E-05	0.000949272
WBGene00004374	rme-2	90604.4	77543.4	103665.5	1.34	0.42	6.32E-05	0.000960631
WBGene00016676	C45G9.5	5609.9	4771.3	6448.5	1.35	0.43	6.37E-05	0.00096792
WBGene00020466	sld-2	2867.6	2399.1	3336.0	1.39	0.48	6.39E-05	0.000970311
WBGene00014114	tftc-3	12785.0	10882.3	14687.7	1.35	0.43	6.40E-05	0.00097094
WBGene00011352	rskn-1	26597.0	22694.8	30499.3	1.34	0.43	6.40E-05	0.00097094
WBGene00006770	unc-34	4995.0	4254.9	5735.2	1.35	0.43	6.43E-05	0.000974766
WBGene00019218	madf-3	3602.0	3036.5	4167.5	1.37	0.46	6.44E-05	0.00097641
WBGene00000376	ccr-4	36650.8	31249.5	42052.2	1.35	0.43	6.51E-05	0.000984799
WBGene00007221	cpna-3	8993.1	7631.7	10354.6	1.36	0.44	6.53E-05	0.000986811
WBGene00002027	hsr-9	49739.3	42566.8	56911.7	1.34	0.42	6.55E-05	0.000988809
WBGene00006351	sur-5	34386.9	29510.0	39263.9	1.33	0.41	6.60E-05	0.000995434
WBGene00011986	T24D1.3	9001.7	7685.6	10317.9	1.34	0.42	6.68E-05	0.001005416
WBGene00001051	cks-1	11703.8	9913.5	13494.2	1.36	0.44	6.74E-05	0.001013307
WBGene00002998	lin-9	9626.1	8197.9	11054.2	1.35	0.43	6.74E-05	0.001013307
WBGene00006736	ulp-1	16226.0	13857.8	18594.1	1.34	0.42	6.79E-05	0.001019377

WBGene00004243	puf-7	16856.0	14440.2	19271.9	1.33	0.42	6.88E-05	0.001031818
WBGene00004339	rfc-3	12329.5	10457.6	14201.5	1.36	0.44	6.96E-05	0.001042035
WBGene00001653	gon-4	10310.7	8773.4	11848.1	1.35	0.43	7.05E-05	0.001053829
WBGene00002263	lea-1	52862.7	44071.2	61654.1	1.40	0.48	7.09E-05	0.001057424
WBGene00015171	vang-1	746.5	602.6	890.3	1.48	0.56	7.11E-05	0.001058753
WBGene00004874	smc-4	27843.7	23770.4	31917.0	1.34	0.43	7.15E-05	0.00106409
WBGene00009173	prom-1	4718.5	3984.4	5452.6	1.37	0.45	7.20E-05	0.001070652
WBGene00001435	fkh-3	370.8	266.2	475.3	1.79	0.84	7.25E-05	0.001077025
WBGene00016939	C55B6.1	1408.6	1166.0	1651.2	1.42	0.50	7.29E-05	0.001081151
WBGene00011625	vps-39	13997.3	11907.0	16087.6	1.35	0.43	7.47E-05	0.001107372
WBGene00045261	H29C22.1	1059.4	727.1	1391.7	1.91	0.94	7.62E-05	0.001128446
WBGene00022399	Y97E10AR.4	5186.9	4413.7	5960.1	1.35	0.43	7.66E-05	0.001133041
WBGene00018150	epg-4	6246.6	5284.7	7208.6	1.36	0.45	7.84E-05	0.001158397
WBGene00020274	T05H4.11	7642.2	6465.6	8818.9	1.36	0.45	7.84E-05	0.001158397
WBGene00010053	F54D5.9	8387.1	7168.3	9606.0	1.34	0.42	7.89E-05	0.001164464
WBGene00011560	T07C4.3	23708.4	20363.8	27052.9	1.33	0.41	7.91E-05	0.00116602
WBGene00016115	mdt-26	17270.8	14840.8	19700.8	1.33	0.41	7.91E-05	0.001166271
WBGene00006390	taf-8	6193.8	5233.0	7154.6	1.37	0.45	7.92E-05	0.001166605
WBGene00019862	nrde-3	3469.6	2948.1	3991.2	1.35	0.44	7.94E-05	0.001168441
WBGene00022531	morc-1	12576.3	10742.5	14410.1	1.34	0.42	7.97E-05	0.001172682
WBGene00012243	W04D2.4	9941.5	8501.3	11381.8	1.34	0.42	8.02E-05	0.001178086
WBGene00009553	hinf-1	12533.3	10693.0	14373.6	1.34	0.43	8.10E-05	0.001187379
WBGene00009364	F33H1.3	8161.6	6956.6	9366.5	1.35	0.43	8.14E-05	0.001192547
WBGene00002992	lin-3	5833.0	4956.8	6709.2	1.35	0.44	8.27E-05	0.001209527
WBGene00008207	C49F5.3	1146.2	916.9	1375.4	1.50	0.59	8.38E-05	0.001224851
WBGene00004242	puf-6	14389.3	12335.3	16443.4	1.33	0.41	8.57E-05	0.001250785
WBGene00020163	T02G5.3	271.0	201.3	340.6	1.69	0.76	8.79E-05	0.001278629
WBGene00019947	htz-1	23616.5	19125.8	28107.2	1.47	0.56	8.80E-05	0.001278763
WBGene00003918	par-3	30541.7	26162.7	34920.6	1.33	0.42	8.80E-05	0.001278763
WBGene00007417	ceh-58	1099.5	899.7	1299.4	1.44	0.53	8.81E-05	0.001279593
WBGene00019628	pup-2	42012.4	35992.2	48032.7	1.33	0.42	8.86E-05	0.001285734
WBGene00003598	nhl-2	23619.9	20302.1	26937.6	1.33	0.41	8.87E-05	0.001286678
WBGene00018830	ska-3	5489.7	4645.5	6333.9	1.36	0.45	9.03E-05	0.001305757
WBGene00000388	cdc-25.3	1759.8	1382.7	2137.0	1.55	0.63	9.10E-05	0.001311026
WBGene00009346	F32H2.10	1748.9	1453.4	2044.4	1.41	0.49	9.10E-05	0.001311026
WBGene00010132	F55H2.7	4971.6	4209.8	5733.4	1.36	0.45	9.11E-05	0.001311026
WBGene00002297	ect-2	18437.6	15826.3	21049.0	1.33	0.41	9.09E-05	0.001311026
WBGene00007975	gls-1	27035.4	23220.5	30850.4	1.33	0.41	9.09E-05	0.001311026
WBGene00011600	zim-2	4973.9	4215.0	5732.9	1.36	0.44	9.16E-05	0.001318404
WBGene00011410	T04A8.8	11228.3	9544.3	12912.3	1.35	0.44	9.27E-05	0.001330536
WBGene00044526	T28A11.22	64.4	36.1	92.7	2.57	1.36	9.30E-05	0.001334304
WBGene00007135	cdk-12	8715.2	7456.4	9974.0	1.34	0.42	9.33E-05	0.001337298
WBGene00021359	Y37E11AL.3	6721.3	5740.3	7702.3	1.34	0.42	9.40E-05	0.001346841
WBGene00004762	sel-5	13726.3	11749.3	15703.3	1.34	0.42	9.43E-05	0.001349295
WBGene00007500	nasp-1	15055.4	12801.9	17308.9	1.35	0.44	9.45E-05	0.001350683
WBGene00003228	mex-1	29060.7	24935.1	33186.2	1.33	0.41	9.50E-05	0.001357658
WBGene00018740	tra-4	1954.4	1634.8	2274.0	1.39	0.48	9.52E-05	0.001358983
WBGene00015233	B0511.7	4438.0	3728.3	5147.7	1.38	0.47	9.52E-05	0.001359175
WBGene00021928	Y55F3AM.11	660.2	510.4	809.9	1.59	0.67	9.55E-05	0.001362031
WBGene00007227	C01G6.5	29610.5	25508.4	33712.5	1.32	0.40	9.74E-05	0.001385708
WBGene00021014	W03G9.2	5591.1	4778.3	6403.8	1.34	0.42	9.76E-05	0.001387571

WBGene00016992	zhit-1	2009.8	1672.3	2347.4	1.40	0.49	9.95E-05	0.001410158
WBGene00020025	R12C12.5	2804.0	2357.9	3250.1	1.38	0.46	0.000101243	0.001431432
WBGene00012651	orc-4	3319.7	2794.2	3845.1	1.38	0.46	0.000102342	0.001446129
WBGene00006324	sup-17	22354.8	19176.1	25533.6	1.33	0.41	0.000102471	0.001447117
WBGene00001044	dnj-26	2336.0	1965.1	2706.9	1.38	0.46	0.00010432	0.001471512
WBGene00001980	hmr-1	16596.9	14263.3	18930.5	1.33	0.41	0.000104635	0.001475099
WBGene00008684	mig-32	7361.5	6295.2	8427.7	1.34	0.42	0.000105108	0.001479183
WBGene00016421	cdc-7	6347.0	5380.2	7313.8	1.36	0.44	0.000105271	0.001480625
WBGene00007921	C34C12.2	6095.6	5178.5	7012.6	1.35	0.44	0.000105742	0.001486386
WBGene00022265	Y73C8C.8	103.7	58.8	148.7	2.53	1.34	0.000107439	0.001504146
WBGene00008147	C47E12.2	5301.7	4480.2	6123.1	1.37	0.45	0.000107653	0.001506269
WBGene00008580	dsb-1	6856.1	5853.9	7858.4	1.34	0.42	0.000108017	0.001510493
WBGene00008170	C48B4.7	2879.0	2411.4	3346.7	1.39	0.47	0.000108519	0.00151577
WBGene00009435	F35G2.1	17644.8	15096.1	20193.6	1.34	0.42	0.000109063	0.00152161
WBGene00006492	let-391	5430.5	4615.2	6245.8	1.35	0.44	0.000109655	0.001527511
WBGene00022203	Y73B3A.1	7014.1	6010.7	8017.5	1.33	0.42	0.000109674	0.001527511
WBGene00015686	C10G11.6	2917.8	2477.4	3358.3	1.36	0.44	0.000110662	0.001538627
WBGene00206389	C29F7.10	361.3	277.8	444.9	1.60	0.68	0.000111178	0.001544027
WBGene00003785	nos-3	26648.2	22941.6	30354.7	1.32	0.40	0.000112066	0.001554576
WBGene00017241	pcyt-1	7506.4	6454.0	8558.8	1.33	0.41	0.000112697	0.001560655
WBGene00012757	Y41C4A.11	335.1	250.8	419.4	1.67	0.74	0.00011284	0.001560863
WBGene00016202	kle-2	10934.7	9421.9	12447.5	1.32	0.40	0.000114043	0.001573486
WBGene00021503	ctsa-2	4446.0	3763.3	5128.6	1.36	0.45	0.000114468	0.001577983
WBGene00019130	gbas-1	3859.1	3282.2	4436.0	1.35	0.43	0.000116666	0.001604642
WBGene00007991	C37A5.7	1092.4	905.4	1279.4	1.41	0.50	0.000118146	0.001622238
WBGene00019124	F59E12.9	17435.5	15003.2	19867.9	1.32	0.41	0.000118701	0.001628019
WBGene00018833	ztf-1	3686.9	3138.3	4235.6	1.35	0.43	0.000118881	0.001629565
WBGene00002004	hsf-1	9527.5	8128.1	10926.9	1.34	0.43	0.000118956	0.001629669
WBGene00044689	arid-1	19311.6	16691.9	21931.4	1.31	0.39	0.00011994	0.001641296
WBGene00004798	sip-1	47627.2	38456.9	56797.5	1.48	0.56	0.000120017	0.001641427
WBGene00018585	F48A11.4	4458.1	3773.7	5142.4	1.36	0.45	0.000120193	0.001642907
WBGene00015023	B0205.9	6064.2	5181.8	6946.7	1.34	0.42	0.000121873	0.001664935
WBGene00009508	row-1	8122.7	6917.7	9327.7	1.35	0.43	0.000124697	0.001699684
WBGene00000146	ape-1	17058.3	14639.5	19477.2	1.33	0.41	0.000125485	0.001709464
WBGene00000090	age-1	9030.1	7724.6	10335.5	1.34	0.42	0.000125964	0.001714071
WBGene00016381	sgo-1	5654.2	4824.1	6484.3	1.34	0.43	0.000128323	0.001744218
WBGene00000369	ccf-1	10252.1	8769.8	11734.5	1.34	0.42	0.00012986	0.001763137
WBGene00012762	Y41E3.1	11974.6	10269.7	13679.5	1.33	0.41	0.000130239	0.001767286
WBGene00009341	thoc-3	4035.3	3432.4	4638.1	1.35	0.43	0.000130572	0.001769835
WBGene00020461	T12C9.7	3709.5	3157.4	4261.6	1.35	0.43	0.000133278	0.001800482
WBGene00022667	ZK154.5	2623.8	2219.7	3027.9	1.36	0.45	0.000133429	0.001801516
WBGene00006393	taf-11.1	635.0	494.9	775.1	1.57	0.65	0.0001346	0.001814296
WBGene00009287	psf-2	169.6	121.0	218.1	1.80	0.85	0.000136967	0.00184109
WBGene00019824	R02D3.7	7467.5	6375.1	8559.9	1.34	0.43	0.000138246	0.001856221
WBGene00008440	DY3.8	5145.2	4191.8	6098.6	1.45	0.54	0.000140259	0.001882217
WBGene00003504	mut-7	10748.8	9268.4	12229.2	1.32	0.40	0.000140932	0.00188916
WBGene00007332	C05C10.5	13714.2	11323.4	16105.0	1.42	0.51	0.000143008	0.001915561
WBGene00006437	mrck-1	17891.0	15419.9	20362.0	1.32	0.40	0.000144279	0.001926579
WBGene00017003	D1007.5	5781.9	4900.6	6663.1	1.36	0.44	0.000144937	0.001930057
WBGene00009404	F35C11.5	12947.5	11032.3	14862.7	1.35	0.43	0.000144778	0.001930057
WBGene00013998	ZK550.4	5605.5	4817.9	6393.0	1.33	0.41	0.000144664	0.001930057

WBGene00018864	F55A12.5	14610.6	12560.4	16660.9	1.33	0.41	0.000144806	0.001930057
WBGene00004905	snf-6	4329.2	3692.8	4965.5	1.34	0.43	0.000147073	0.001956347
WBGene00044016	C35A5.10	57.5	30.1	84.9	2.82	1.50	0.000147317	0.00195745
WBGene00022794	snu-23	3917.0	3315.3	4518.7	1.36	0.45	0.000148859	0.001974702
WBGene00009493	hrg-4	544.3	367.2	721.4	1.96	0.97	0.000150867	0.001998485
WBGene00007710	rsa-1	9724.1	8301.1	11147.2	1.34	0.43	0.000150899	0.001998485
WBGene00009221	acs-2	2601.0	1635.8	3566.1	2.18	1.12	0.000152015	0.002008886
WBGene00011890	mics-1	6290.1	5354.2	7226.0	1.35	0.43	0.000154498	0.002038362
WBGene00017774	nop-1	14805.5	12761.1	16849.9	1.32	0.40	0.000155909	0.002054746
WBGene00006352	sur-6	26279.4	22539.7	30019.1	1.33	0.41	0.000156961	0.002067489
WBGene00004008	pgp-14	2981.5	2201.3	3761.7	1.71	0.77	0.000157972	0.002079682
WBGene00000460	ceh-39	1783.4	1502.1	2064.6	1.37	0.46	0.00016201	0.002127074
WBGene00020480	ssup-72	2074.8	1743.4	2406.2	1.38	0.46	0.000163349	0.002141174
WBGene00011490	T05F1.4	3124.2	2640.3	3608.0	1.37	0.45	0.000164059	0.002148164
WBGene00012209	hmg-20	2480.3	2107.0	2853.6	1.35	0.44	0.000164737	0.002154719
WBGene00014113	hpo-40	15196.4	13127.6	17265.1	1.32	0.40	0.000165375	0.002160728
WBGene00000461	ceh-40	235.8	147.8	323.8	2.19	1.13	0.000171001	0.002227045
WBGene00015899	C17E7.4	2523.8	1986.8	3060.9	1.54	0.62	0.000170928	0.002227045
WBGene00004044	plk-3	39333.6	33985.6	44681.5	1.31	0.39	0.000170913	0.002227045
WBGene00000168	apx-1	10136.8	8744.1	11529.4	1.32	0.40	0.000172532	0.002244574
WBGene00011979	T24B8.5	2251.3	1743.9	2758.7	1.58	0.66	0.000174826	0.002267134
WBGene00022292	Y75D11A.3	879.5	718.7	1040.3	1.45	0.53	0.000175013	0.002268354
WBGene00016291	C31H1.8	13674.3	11762.7	15585.9	1.33	0.41	0.000175847	0.00227673
WBGene00012385	Y5F2A.4	4433.6	3790.0	5077.2	1.34	0.42	0.000177239	0.002292306
WBGene00007772	egrh-1	1891.8	1594.0	2189.7	1.37	0.46	0.000181127	0.002341348
WBGene00012546	Y37D8A.4	2028.3	1705.1	2351.5	1.38	0.46	0.000182317	0.00235422
WBGene00004032	pkc-1	10516.7	9085.0	11948.5	1.32	0.40	0.000184385	0.002379653
WBGene00220246	ZK858.10	1857.2	1466.1	2248.4	1.53	0.62	0.000184514	0.00238005
WBGene00017317	attf-2	28101.6	24387.0	31816.2	1.30	0.38	0.000187254	0.00241028
WBGene00015508	mvb-12	3191.7	2709.0	3674.4	1.36	0.44	0.000188646	0.002424332
WBGene00012382	ttr-16	21025.8	18159.8	23891.7	1.32	0.40	0.000188875	0.002425991
WBGene00019011	F57C9.4	10128.2	8708.1	11548.3	1.33	0.41	0.000189295	0.002428813
WBGene00022300	Y76B12C.6	5742.7	4925.1	6560.3	1.33	0.41	0.000192122	0.002458598
WBGene00007707	fath-1	8847.5	7543.6	10151.4	1.35	0.43	0.000192966	0.002468091
WBGene00012301	W06D11.3	1217.1	1003.7	1430.6	1.43	0.51	0.000193808	0.002476252
WBGene00010678	K08F4.3	6890.3	5826.8	7953.8	1.37	0.45	0.000196367	0.002507634
WBGene00003021	lin-36	17560.9	15221.7	19900.0	1.31	0.39	0.000203565	0.002591365
WBGene00008385	D1081.7	40765.4	35383.6	46147.3	1.30	0.38	0.000205591	0.002613051
WBGene00017801	F26A1.1	5039.1	4269.5	5808.6	1.36	0.44	0.000207938	0.002640112
WBGene00015357	C02F12.8	1782.3	1499.7	2065.0	1.38	0.46	0.000208913	0.002648343
WBGene00019692	M01A10.1	4853.7	4158.2	5549.2	1.33	0.42	0.000210093	0.002660527
WBGene00016562	C41D11.3	8936.1	7686.1	10186.1	1.33	0.41	0.000210534	0.002664715
WBGene00008535	F02H6.2	1731.7	1417.5	2045.8	1.44	0.53	0.000211447	0.002673488
WBGene00021155	Y4C6B.1	5719.2	4888.0	6550.4	1.34	0.42	0.000211637	0.002674496
WBGene00001569	meg-3	6986.0	6001.8	7970.2	1.33	0.41	0.000212586	0.002685092
WBGene00011342	T01G5.7	969.3	799.1	1139.5	1.43	0.51	0.000213043	0.002689457
WBGene00007640	C17D12.7	3363.0	2888.3	3837.8	1.33	0.41	0.000213714	0.002696523
WBGene00015501	C06A5.3	8849.1	7558.4	10139.8	1.34	0.42	0.000214071	0.002699453
WBGene00012767	fcd-2	5956.3	5092.4	6820.2	1.34	0.42	0.000214274	0.002699453
WBGene00002231	knl-1	16520.4	14301.4	18739.3	1.31	0.39	0.000214379	0.002699453
WBGene00012496	Y24F12A.1	6031.6	5167.7	6895.5	1.33	0.42	0.000215759	0.002715281

WBGene00009451	cids-2	13661.9	11848.1	15475.7	1.31	0.39	0.000216748	0.002723489
WBGene00003394	mom-1	596.6	482.7	710.5	1.47	0.56	0.000218657	0.002743208
WBGene00000867	cyb-2.2	24455.8	20994.4	27917.1	1.33	0.41	0.000219877	0.002755665
WBGene00006547	tbx-11	90.4	55.6	125.2	2.25	1.17	0.000221296	0.0027706
WBGene00003499	mut-2	5662.6	4850.3	6474.8	1.33	0.42	0.000223163	0.002792528
WBGene00018778	F53H1.4	17246.8	14923.3	19570.4	1.31	0.39	0.00022528	0.002813216
WBGene00011299	ikke-1	13225.3	11422.7	15028.0	1.32	0.40	0.000227547	0.002840066
WBGene00000101	aka-1	35928.3	31196.4	40660.3	1.30	0.38	0.000230167	0.002869821
WBGene00004893	sms-2	946.0	778.6	1113.4	1.43	0.52	0.000230669	0.002874605
WBGene00003221	mes-3	8804.6	7595.0	10014.3	1.32	0.40	0.000231836	0.002886179
WBGene00012211	ssp-37	474.7	355.1	594.3	1.67	0.74	0.000232368	0.00288984
WBGene00003210	mel-28	31989.0	27806.6	36171.3	1.30	0.38	0.000236216	0.002934683
WBGene00017358	F10E9.7	2815.1	2385.3	3245.0	1.36	0.44	0.000236433	0.002935878
WBGene00016632	C44B7.12	13691.8	11781.7	15602.0	1.32	0.41	0.000238731	0.002958358
WBGene00021648	mis-12	2039.8	1736.7	2342.9	1.35	0.43	0.000238945	0.002959506
WBGene00004095	pqe-1	25173.0	21899.9	28446.1	1.30	0.38	0.000240507	0.002975808
WBGene00008720	F12F6.1	14822.6	12863.6	16781.6	1.30	0.38	0.000244968	0.003026387
WBGene00013719	Y106G6H.6	6043.8	4975.1	7112.5	1.43	0.52	0.000247358	0.003051249
WBGene00016674	C45G9.2	2505.1	2118.2	2892.0	1.37	0.45	0.000247621	0.0030514
WBGene00017079	D2096.12	6738.0	5825.0	7651.1	1.31	0.39	0.000247548	0.0030514
WBGene00016888	C52E12.1	15472.3	13377.1	17567.4	1.31	0.39	0.000249739	0.003074379
WBGene00016567	C41D11.9	724.1	588.9	859.3	1.46	0.55	0.000250435	0.0030799
WBGene00009262	F30A10.3	7508.8	6412.8	8604.9	1.34	0.42	0.000250442	0.0030799
WBGene00009770	F46B6.5	17564.2	15187.7	19940.7	1.31	0.39	0.000251865	0.003095838
WBGene00001834	hda-1	21103.7	18244.9	23962.4	1.31	0.39	0.000252759	0.003105246
WBGene00044326	tag-322	5570.2	4766.0	6374.3	1.34	0.42	0.000254292	0.00312229
WBGene00022831	cec-10	13579.9	11739.5	15420.3	1.31	0.39	0.000254403	0.00312229
WBGene00007150	acly-2	29395.5	25423.2	33367.8	1.31	0.39	0.000254656	0.00312382
WBGene00011636	cec-3	9838.8	8484.9	11192.7	1.32	0.40	0.000254952	0.003125075
WBGene00009587	mig-38	12800.8	11094.5	14507.1	1.31	0.39	0.000255016	0.003125075
WBGene00008166	saps-1	17620.5	15254.5	19986.4	1.31	0.39	0.000256192	0.003136317
WBGene00017837	F26G1.1	10089.0	8697.6	11480.3	1.32	0.40	0.000257336	0.003145563
WBGene00006976	zhp-3	3725.7	3194.1	4257.2	1.33	0.41	0.000257751	0.003149047
WBGene00019578	K09E3.7	1124.3	936.3	1312.2	1.40	0.49	0.000258497	0.003156581
WBGene00018959	F56D1.1	7883.5	6819.2	8947.8	1.31	0.39	0.000259736	0.003170106
WBGene00194892	dsb-2	2583.3	2198.4	2968.2	1.35	0.43	0.000260515	0.003178017
WBGene00015150	B0336.13	3004.3	2560.5	3448.0	1.35	0.43	0.000265066	0.003228205
WBGene00015589	C08A9.9	84.6	52.7	116.6	2.21	1.15	0.000266441	0.003242165
WBGene00016318	C32D5.11	11036.1	9565.2	12507.0	1.31	0.39	0.0002675	0.003253399
WBGene00003794	npp-8	16943.0	14616.3	19269.7	1.32	0.40	0.000267832	0.003254201
WBGene00003519	nac-3	2700.3	2311.1	3089.5	1.34	0.42	0.00027346	0.003320924
WBGene00010606	cyp-13B2	231.7	154.2	309.1	2.00	1.00	0.000274157	0.003327485
WBGene00003158	mcm-6	24742.3	21390.7	28094.0	1.31	0.39	0.000277173	0.003360966
WBGene00000995	die-1	4187.3	3590.3	4784.3	1.33	0.41	0.000278769	0.003376942
WBGene00010787	K12D12.5	4946.1	4263.3	5628.9	1.32	0.40	0.000278759	0.003376942
WBGene00009429	irg-5	11924.7	7778.6	16070.9	2.07	1.05	0.000280183	0.003392385
WBGene00011253	R11H6.5	7319.3	6314.9	8323.7	1.32	0.40	0.00028052	0.003394771
WBGene00006523	tam-1	15890.8	13863.7	17918.0	1.29	0.37	0.000282449	0.003414707
WBGene00004371	rig-4	11080.7	9551.7	12609.6	1.32	0.40	0.000282606	0.0034149
WBGene00008488	F01D4.5	2314.5	1962.3	2666.8	1.36	0.44	0.000284056	0.003429008
WBGene00006776	unc-40	18845.0	16302.4	21387.5	1.31	0.39	0.000284328	0.003430587

WBGene00001974	hmg-4	14328.4	12240.8	16416.1	1.34	0.42	0.000291288	0.003505945
WBGene00019799	M151.7	1498.3	1253.1	1743.5	1.39	0.48	0.000294302	0.003530719
WBGene00022252	Y73B6BL.31	2031.3	1735.7	2326.9	1.34	0.42	0.00029433	0.003530719
WBGene00007580	C14B1.9	14234.2	12305.9	16162.6	1.31	0.39	0.000293967	0.003530719
WBGene00015747	C13G5.2	4479.9	3826.9	5133.0	1.34	0.42	0.000296153	0.003548573
WBGene00004125	mdt-30	7134.7	6173.6	8095.7	1.31	0.39	0.000298231	0.003571709
WBGene00011275	psf-1	3160.8	2617.0	3704.6	1.42	0.50	0.000301274	0.003604601
WBGene00020910	dgtr-1	3182.1	2638.6	3725.6	1.41	0.50	0.000302974	0.00362137
WBGene00007188	B0464.9	2897.6	2462.2	3333.0	1.35	0.44	0.000303453	0.003625304
WBGene00000866	cyb-2.1	15426.0	13329.4	17522.6	1.31	0.39	0.000303843	0.003628176
WBGene00011505	pzf-1	1041.7	824.0	1259.4	1.53	0.61	0.000304276	0.003629775
WBGene00005023	sqv-5	29625.4	25695.4	33555.4	1.31	0.39	0.00030424	0.003629775
WBGene00013632	Y105C5A.1	1025.9	855.6	1196.1	1.40	0.48	0.00030522	0.003637464
WBGene00001596	gld-2	29656.7	25821.2	33492.2	1.30	0.38	0.000306088	0.003646026
WBGene00000386	cdc-25.1	22998.9	19922.5	26075.3	1.31	0.39	0.000309001	0.003675313
WBGene00003012	lin-26	11731.9	10214.3	13249.5	1.30	0.38	0.000312598	0.003711767
WBGene00003401	mpk-1	16866.0	14614.9	19117.0	1.31	0.39	0.000313243	0.003716663
WBGene00006994	zyg-9	33396.2	29070.0	37722.4	1.30	0.38	0.000315546	0.003742152
WBGene00010542	K03H1.7	1788.2	1517.7	2058.7	1.36	0.44	0.000319243	0.003780455
WBGene00017643	czw-1	20560.3	17722.6	23398.1	1.32	0.40	0.000319935	0.003784962
WBGene00001036	dnj-18	2088.5	1769.2	2407.9	1.36	0.44	0.000320407	0.003788695
WBGene00019441	K06B9.4	3203.3	2739.9	3666.7	1.34	0.42	0.000322817	0.003811632
WBGene00016794	C49H3.9	6418.1	5511.1	7325.1	1.33	0.41	0.000323951	0.003823161
WBGene00000846	cup-5	9355.8	8065.3	10646.2	1.32	0.40	0.000325608	0.00384085
WBGene00020111	R151.8	6759.6	5868.0	7651.1	1.30	0.38	0.000326173	0.003845642
WBGene00004298	rad-54	5164.2	4441.6	5886.7	1.33	0.41	0.000326439	0.003846914
WBGene00022034	deps-1	24203.2	21137.3	27269.2	1.29	0.37	0.00033316	0.003916604
WBGene00004279	rab-21	2046.9	1738.3	2355.4	1.36	0.44	0.00033336	0.003917062
WBGene00007226	C01G6.4	4081.9	3499.4	4664.3	1.33	0.41	0.000333907	0.003917637
WBGene00014250	ZK1307.9	4625.4	3980.8	5269.9	1.32	0.40	0.000333999	0.003917637
WBGene00006311	sun-1	11775.4	10205.0	13345.8	1.31	0.39	0.000335137	0.003923924
WBGene00015938	anat-1	8425.4	7239.0	9611.7	1.33	0.41	0.000340379	0.003973242
WBGene00015172	B0410.3	1350.4	1127.2	1573.5	1.40	0.48	0.000340691	0.003974349
WBGene00004822	skr-16	418.2	331.7	504.7	1.52	0.61	0.000348172	0.004046062
WBGene00015915	C17G10.1	7916.0	6866.6	8965.4	1.31	0.38	0.000348389	0.004046647
WBGene00001482	fog-2	3296.0	2827.7	3764.4	1.33	0.41	0.000349082	0.004050821
WBGene00013137	Y53C10A.6	3968.5	3386.9	4550.0	1.34	0.43	0.000350364	0.004055283
WBGene00013881	mans-4	4799.0	4103.9	5494.1	1.34	0.42	0.000349712	0.004055283
WBGene00019989	R09F10.8	5882.0	5043.3	6720.7	1.33	0.41	0.000350636	0.004055283
WBGene00009385	sas-5	9242.2	8027.9	10456.6	1.30	0.38	0.000350279	0.004055283
WBGene00018321	sand-1	8016.8	6896.2	9137.5	1.33	0.41	0.000351244	0.004060385
WBGene00007270	rei-1	4606.0	3971.3	5240.8	1.32	0.40	0.000352939	0.004075484
WBGene00012715	snpc-1.2	11016.4	9531.0	12501.9	1.31	0.39	0.000353054	0.004075484
WBGene00020824	T26A8.1	13003.6	11270.0	14737.2	1.31	0.39	0.000353555	0.004076199
WBGene00016192	bcl-7	2572.7	2188.9	2956.5	1.35	0.43	0.000354392	0.004083162
WBGene00001833	hcp-6	13464.7	11678.5	15250.8	1.31	0.39	0.00035647	0.004105151
WBGene00009011	F21D5.6	4991.8	4284.8	5698.8	1.33	0.41	0.000357948	0.004120222
WBGene00006539	tbb-6	606.7	341.3	872.2	2.56	1.35	0.000360757	0.004150582
WBGene00012584	ceh-100	9399.1	8151.9	10646.3	1.31	0.39	0.000361188	0.004153581
WBGene00010840	M03C11.3	11246.2	9794.5	12698.0	1.30	0.37	0.000361555	0.004155832
WBGene00015989	C18H2.2	3654.3	3133.4	4175.2	1.33	0.41	0.000361768	0.004156314

WBGene00008797	F14D7.10	35.3	17.6	53.1	3.02	1.60	0.000363506	0.004172331
WBGene00015083	egg-1	53686.8	46799.7	60573.9	1.29	0.37	0.000363335	0.004172331
WBGene00001860	him-1	31062.3	27135.0	34989.5	1.29	0.37	0.000364633	0.004183282
WBGene00013878	atfs-1	9966.9	8626.1	11307.7	1.31	0.39	0.000366105	0.004198189
WBGene00004147	larp-5	32182.9	28011.3	36354.4	1.30	0.38	0.000366936	0.004205736
WBGene00001513	gad-1	9748.5	8436.5	11060.6	1.31	0.39	0.000367788	0.00421351
WBGene00008143	C47E8.4	3563.6	3058.6	4068.7	1.33	0.41	0.000369921	0.004233943
WBGene00017178	atg-16.1	1249.7	1057.9	1441.5	1.36	0.45	0.000372306	0.004259235
WBGene00001571	gei-14	8368.5	7246.2	9490.8	1.31	0.39	0.000376278	0.004296581
WBGene00010066	F54F7.6	663.6	548.7	778.5	1.42	0.50	0.000384638	0.004379681
WBGene00004738	scc-3	17529.9	15272.0	19787.9	1.30	0.37	0.000386145	0.004392718
WBGene00014242	sdz-36	51.3	28.6	74.0	2.58	1.37	0.000388485	0.00441726
WBGene00009994	F53F4.12	3291.5	2830.5	3752.5	1.33	0.41	0.000391489	0.004449342
WBGene00004050	parp-2	8688.1	7518.6	9857.6	1.31	0.39	0.000392727	0.004461315
WBGene00007978	C36B1.11	11407.6	9868.1	12947.0	1.31	0.39	0.000396009	0.0044923
WBGene00016002	C18H9.3	23297.0	20342.9	26251.1	1.29	0.37	0.000396648	0.004497449
WBGene00017583	F19B10.1	536.9	423.2	650.6	1.54	0.62	0.000402385	0.004558238
WBGene00021909	Y55B1BL.1	1615.9	1376.0	1855.8	1.35	0.43	0.000403381	0.004565262
WBGene00003476	mtm-3	31287.5	27186.3	35388.8	1.30	0.38	0.000408432	0.004618122
WBGene00016564	cmt-1	5489.0	4717.4	6260.5	1.33	0.41	0.000408703	0.004619026
WBGene00007606	C15C8.4	5380.0	4662.5	6097.5	1.31	0.39	0.000414364	0.004676474
WBGene00004684	rsd-6	18201.3	15791.9	20610.7	1.31	0.38	0.000416951	0.004703488
WBGene00011945	alg-5	13492.5	11743.5	15241.5	1.30	0.38	0.00041792	0.004710041
WBGene00007907	C34B4.2	4322.9	3757.8	4888.0	1.30	0.38	0.00042073	0.004739505
WBGene00007167	rbg-3	17271.6	14996.7	19546.5	1.30	0.38	0.000427927	0.004811648
WBGene00004077	pop-1	3464.2	3009.9	3918.5	1.30	0.38	0.000429958	0.004830012
WBGene00019771	M04F3.5	6112.3	5295.4	6929.2	1.31	0.39	0.000430295	0.004831565
WBGene00009744	hpo-35	8521.2	7424.3	9618.0	1.30	0.37	0.000431938	0.004847771
WBGene00009254	capg-1	16899.0	14685.1	19112.8	1.30	0.38	0.000432892	0.004856237
WBGene00013553	Y75B8A.18	1083.2	898.3	1268.0	1.41	0.50	0.000434128	0.004867852
WBGene00000911	daf-15	22746.1	19896.6	25595.6	1.29	0.36	0.000437466	0.004900745
WBGene00013725	ska-1	2297.9	1964.1	2631.6	1.34	0.42	0.000438948	0.004909366
WBGene00006773	unc-37	7602.5	6575.1	8629.9	1.31	0.39	0.000442216	0.00493574
WBGene00018908	fncm-1	3606.0	3099.3	4112.7	1.33	0.41	0.000446318	0.004976948
WBGene00022880	tbc-2	13917.5	12142.7	15692.3	1.29	0.37	0.000447668	0.004987275
WBGene00007093	B0001.8	5098.6	4399.0	5798.2	1.32	0.40	0.000448375	0.004988427
WBGene00012529	Y32F6A.4	5628.9	4860.1	6397.7	1.32	0.40	0.00044835	0.004988427
WBGene00004354	rgs-11	1017.7	791.7	1243.6	1.57	0.65	0.000449284	0.004992638
WBGene00022750	ZK484.4	17129.1	14869.6	19388.6	1.30	0.38	0.00044937	0.004992638
WBGene00011011	R04D3.3	9900.3	8386.7	11413.9	1.36	0.44	0.000449797	0.004995091
WBGene00008196	C49C3.6	3193.3	2743.7	3643.0	1.33	0.41	0.000450789	0.004999247
WBGene00021828	Y54E10A.6	6685.4	5792.4	7578.5	1.31	0.39	0.000450613	0.004999247
WBGene00003220	mes-2	6263.7	5441.5	7086.0	1.30	0.38	0.000452937	0.0050162
WBGene00011664	T09F3.5	2628.7	2252.9	3004.4	1.33	0.42	0.000459944	0.005089152
WBGene00016822	C50E3.11	1242.4	1018.5	1466.2	1.44	0.53	0.000462996	0.005118258
WBGene00007914	mys-4	5210.6	4515.0	5906.3	1.31	0.39	0.00046283	0.005118258
WBGene00015073	B0238.9	11409.7	9959.5	12860.0	1.29	0.37	0.000465821	0.005147137
WBGene00022418	igcm-4	368.2	290.0	446.4	1.54	0.62	0.000467205	0.005160082
WBGene00002073	ima-2	47251.5	41076.5	53426.4	1.30	0.38	0.000471733	0.005207721
WBGene00020259	T05E7.3	8241.4	7152.7	9330.1	1.30	0.38	0.000473962	0.005227575
WBGene00022473	bet-1	12243.1	10656.1	13830.0	1.30	0.38	0.000475338	0.005240376

WBGene00010666	K08E4.2	854.7	717.1	992.3	1.38	0.47	0.000476113	0.005246536
WBGene00019396	K04F10.3	5761.3	4974.5	6548.0	1.32	0.40	0.000476794	0.005251655
WBGene00009035	gfat-2	76388.8	66798.6	85978.9	1.29	0.36	0.000478796	0.005266535
WBGene00016056	C24D10.5	301.6	231.9	371.3	1.60	0.68	0.000479326	0.005269985
WBGene00003030	lin-45	16972.5	14792.4	19152.5	1.29	0.37	0.000481007	0.005286073
WBGene00007256	swsn-9	12966.1	11262.7	14669.5	1.30	0.38	0.000482613	0.005298925
WBGene00012020	gyg-2	20076.1	16620.7	23531.5	1.42	0.50	0.000486273	0.005336697
WBGene00021725	bath-9	142.4	94.9	189.8	2.00	1.00	0.000487812	0.005351159
WBGene00013857	orc-5	7062.7	6110.7	8014.6	1.31	0.39	0.000489444	0.005366644
WBGene00017782	F25E5.1	4034.5	3507.9	4561.2	1.30	0.38	0.000490295	0.005373544
WBGene00009975	F53C11.5	18860.4	16507.9	21213.0	1.29	0.36	0.000492276	0.005392816
WBGene00019129	F59G1.8	1914.2	1633.7	2194.6	1.34	0.43	0.000493066	0.00539661
WBGene00022629	ZC513.5	6461.8	5599.4	7324.2	1.31	0.39	0.000495275	0.005418336
WBGene00022502	ZC13.1	1061.6	889.7	1233.5	1.39	0.47	0.000496852	0.0054307
WBGene00000409	cdk-8	5508.5	4788.3	6228.7	1.30	0.38	0.000499512	0.005454865
WBGene00017886	F28B3.5	5105.4	4393.5	5817.3	1.32	0.40	0.000501394	0.005469133
WBGene00011507	T05H10.1	32092.0	28039.3	36144.6	1.29	0.37	0.00050204	0.005472619
WBGene00010195	pot-2	1643.4	1394.0	1892.8	1.36	0.44	0.000507748	0.005524921
WBGene00000592	coh-3	4016.1	3480.4	4551.8	1.31	0.39	0.000510956	0.005557335
WBGene00004312	rba-1	9225.8	8055.1	10396.5	1.29	0.37	0.000511516	0.005560929
WBGene00004117	sin-3	23990.7	20899.3	27082.2	1.30	0.37	0.00051834	0.005627556
WBGene00010731	K10C3.4	13351.4	11625.2	15077.6	1.30	0.38	0.000518663	0.005628547
WBGene00020412	T10E9.2	8321.0	7214.9	9427.1	1.31	0.39	0.000520154	0.005638752
WBGene00021470	tpxl-1	24590.0	21573.5	27606.5	1.28	0.36	0.0005203	0.005638752
WBGene00016799	C50C3.1	5357.1	4638.0	6076.2	1.31	0.39	0.000520997	0.005643788
WBGene00022037	acs-13	48907.0	42887.2	54926.9	1.28	0.36	0.000522036	0.005652519
WBGene00018735	F53B1.2	1767.1	1498.2	2035.9	1.36	0.44	0.00052288	0.005656614
WBGene00004985	spo-11	4455.6	3833.3	5077.9	1.32	0.41	0.000522765	0.005656614
WBGene00022278	rcor-1	9453.4	8240.6	10666.2	1.29	0.37	0.000524363	0.005665077
WBGene00020823	T26A5.8	2600.5	2207.9	2993.1	1.36	0.44	0.000524652	0.005665678
WBGene00020438	T12A2.3	76.9	47.2	106.5	2.25	1.17	0.000524891	0.005665741
WBGene00020031	suco-1	20510.5	17889.6	23131.3	1.29	0.37	0.000526099	0.005676262
WBGene00018278	F41C6.4	45.8	22.1	69.5	3.15	1.66	0.000531736	0.005729434
WBGene00002241	kup-1	7380.9	6421.4	8340.4	1.30	0.38	0.000533254	0.005740702
WBGene00019503	tbce-1	4487.2	3858.7	5115.8	1.33	0.41	0.00053409	0.005744599
WBGene00008682	lex-1	29710.0	25982.7	33437.3	1.29	0.36	0.000533969	0.005744599
WBGene00003136	mau-2	6586.6	5714.9	7458.3	1.31	0.38	0.00053585	0.005760979
WBGene00001161	efl-1	5019.0	4318.0	5719.9	1.32	0.41	0.000542225	0.005826939
WBGene00016245	C30B5.4	4715.9	4057.5	5374.3	1.32	0.41	0.000547623	0.005871948
WBGene00001102	dsh-2	10386.1	9033.8	11738.4	1.30	0.38	0.000548336	0.005876803
WBGene00005025	sqv-7	7242.5	6267.8	8217.2	1.31	0.39	0.000552004	0.005908492
WBGene00011044	R05H10.3	4141.7	3598.5	4684.9	1.30	0.38	0.00055807	0.005965524
WBGene00004187	prp-8	65710.3	57589.2	73831.4	1.28	0.36	0.000562549	0.006008115
WBGene00018482	F45F2.10	24643.4	21529.6	27757.2	1.29	0.37	0.000563339	0.006010274
WBGene00021419	eri-5	2156.1	1831.5	2480.6	1.35	0.44	0.000564766	0.00602119
WBGene00017083	kin-33	100.5	69.2	131.8	1.90	0.93	0.00057104	0.006080077
WBGene00019677	K12H4.2	1136.4	935.0	1337.8	1.43	0.52	0.000571363	0.006080842
WBGene00020889	T28C12.2	256.6	199.0	314.3	1.58	0.66	0.000575139	0.00611299
WBGene00010785	top-2	60556.1	53127.5	67984.8	1.28	0.36	0.000577787	0.006138452
WBGene00021818	Y53G8B.2	965.7	808.3	1123.1	1.39	0.47	0.000579771	0.006154138
WBGene00015638	C09E7.4	1225.9	1028.1	1423.7	1.38	0.47	0.000581842	0.006170733

WBGene00000387	cdc-25.2	2685.5	2175.9	3195.1	1.47	0.55	0.000588707	0.006224497
WBGene00007445	C08F8.3	7841.1	6792.3	8889.9	1.31	0.39	0.000588514	0.006224497
WBGene00008882	F16B12.6	4917.7	4254.1	5581.3	1.31	0.39	0.000588981	0.006224683
WBGene00001352	evl-14	16977.6	14828.3	19127.0	1.29	0.37	0.000590475	0.006235045
WBGene00020091	rnp-8	16911.0	14793.0	19029.1	1.29	0.36	0.000590233	0.006235045
WBGene00002147	ire-1	14743.5	12864.3	16622.7	1.29	0.37	0.000597546	0.006302704
WBGene00019249	H28G03.1	17252.2	14934.2	19570.1	1.31	0.39	0.000599967	0.006324273
WBGene00011344	T01G9.2	5762.2	5017.7	6506.6	1.30	0.37	0.000600624	0.006328454
WBGene00018849	F55A3.3	44882.1	39248.5	50515.8	1.29	0.36	0.000601838	0.006338487
WBGene00017016	snap-1	9292.6	8071.9	10513.3	1.30	0.38	0.000604141	0.006359989
WBGene00003804	npp-18	8814.6	7640.9	9988.4	1.31	0.39	0.000604915	0.006365377
WBGene00044067	zipt-7.1	7843.9	6784.8	8903.0	1.31	0.39	0.000606764	0.006381838
WBGene00004304	ran-3	27579.9	24095.2	31064.6	1.29	0.37	0.000607005	0.006381838
WBGene00010641	crml-1	19278.5	16815.4	21741.7	1.29	0.37	0.000608266	0.006389554
WBGene00009270	F30F8.1	14564.5	12711.9	16417.1	1.29	0.37	0.00060818	0.006389554
WBGene00004034	pkc-3	10939.0	9505.6	12372.3	1.30	0.38	0.000610651	0.006409068
WBGene00007985	swah-1	2412.8	2046.9	2778.7	1.36	0.44	0.000611115	0.006411166
WBGene00000080	adr-2	7493.4	6520.1	8466.6	1.30	0.38	0.000613758	0.006436104
WBGene00014256	ZK1320.7	1539.7	1314.0	1765.3	1.34	0.43	0.000618722	0.006479768
WBGene00003111	mab-20	1211.0	1028.4	1393.7	1.36	0.44	0.000619352	0.006483566
WBGene00018953	F56C9.10	31815.6	27931.5	35699.7	1.28	0.35	0.000620104	0.00648864
WBGene00001281	emb-27	8463.3	7334.1	9592.4	1.31	0.39	0.000620634	0.006491385
WBGene00003791	npp-5	12137.7	10595.3	13680.0	1.29	0.37	0.000621665	0.006499368
WBGene00000548	clr-1	15272.3	13331.0	17213.6	1.29	0.37	0.000625436	0.006535984
WBGene00020763	ztf-18	6206.7	5399.4	7014.1	1.30	0.38	0.000630149	0.006576735
WBGene00008876	F16A11.1	7694.6	6688.5	8700.7	1.30	0.38	0.000634451	0.00661311
WBGene00004333	rec-8	9055.1	7948.0	10162.2	1.28	0.35	0.000635846	0.006621969
WBGene00022741	ZK430.5	74.0	50.0	98.1	1.96	0.97	0.000637202	0.006633242
WBGene00219826	C18H9.12	967.4	809.0	1125.8	1.39	0.48	0.000637573	0.006633494
WBGene00000163	apb-3	10753.1	9322.5	12183.7	1.31	0.39	0.000637773	0.006633494
WBGene00006808	unc-76	8124.6	7108.1	9141.1	1.29	0.36	0.000638344	0.006636591
WBGene00003048	lit-1	7439.9	6487.6	8392.1	1.29	0.37	0.000642224	0.006674075
WBGene00011809	T16G12.8	1007.8	844.3	1171.2	1.39	0.47	0.00064465	0.006693546
WBGene00011292	R102.5	10809.9	9368.1	12251.7	1.31	0.39	0.000644646	0.006693546
WBGene00009944	mtcu-2	7233.9	6301.7	8166.1	1.30	0.37	0.000647263	0.006712072
WBGene00006941	wnk-1	33853.6	29656.1	38051.1	1.28	0.36	0.000653484	0.006770793
WBGene00008174	C48B4.11	6339.9	5469.6	7210.2	1.32	0.40	0.000657269	0.006807109
WBGene00044431	W03G9.8	1721.0	1453.7	1988.3	1.37	0.45	0.00065868	0.006818814
WBGene00020433	T11F8.1	885.4	739.2	1031.6	1.40	0.48	0.000660761	0.006832041
WBGene00013985	sec-16	21310.2	18683.3	23937.1	1.28	0.36	0.000660878	0.006832041
WBGene00018427	F44E7.5	4111.6	3162.4	5060.9	1.60	0.68	0.000669794	0.006904801
WBGene00020830	T26C11.4	841.4	707.8	975.1	1.38	0.46	0.000669831	0.006904801
WBGene00020843	T27A3.7	4828.8	4189.0	5468.6	1.31	0.38	0.000671201	0.006914232
WBGene00001470	baz-2	3266.9	2818.9	3715.0	1.32	0.40	0.000683186	0.007024576
WBGene00019163	ubxn-6	15484.7	13456.0	17513.3	1.30	0.38	0.000685691	0.007044362
WBGene00015194	B0432.13	3149.0	2707.8	3590.1	1.33	0.41	0.000687303	0.007054166
WBGene00017064	ppfr-2	6758.2	5864.4	7652.1	1.30	0.38	0.000687517	0.007054166
WBGene00021056	W06B4.1	13093.8	11303.2	14884.5	1.32	0.40	0.000691389	0.007090903
WBGene00004680	rars-2	5308.5	4589.0	6028.0	1.31	0.39	0.000691706	0.007091158
WBGene00004726	sas-4	7476.8	6555.8	8397.7	1.28	0.36	0.00069745	0.007142295
WBGene00000382	cdc-6	9855.5	8603.1	11107.9	1.29	0.37	0.000709395	0.007252411

WBGene00000098	air-1	22025.1	19141.0	24909.3	1.30	0.38	0.000712695	0.007278664
WBGene00011010	R04D3.2	2414.3	1959.7	2869.0	1.46	0.55	0.000714085	0.007287816
WBGene00000507	cit-1.1	5058.0	4409.6	5706.4	1.29	0.37	0.000716635	0.007308482
WBGene00012551	cec-7	5625.1	4935.3	6315.0	1.28	0.36	0.000718036	0.00731782
WBGene00017143	EEED8.15	424.4	331.1	517.8	1.56	0.65	0.00071855	0.007319985
WBGene00012527	set-22	3714.8	3218.9	4210.7	1.31	0.39	0.000726537	0.007385855
WBGene00008380	prp-38	6411.0	5537.5	7284.5	1.32	0.40	0.000727532	0.007392867
WBGene00019254	H31G24.3	1262.6	1077.7	1447.5	1.34	0.43	0.000728286	0.007397434
WBGene00011311	T01B7.5	10405.0	9117.8	11692.2	1.28	0.36	0.000731412	0.007426075
WBGene00002075	imb-1	21514.2	18791.8	24236.6	1.29	0.37	0.000731802	0.007426934
WBGene00045486	K05F6.12	7.0	0.0	14.1	Inf	Inf	0.000735384	0.007457052
WBGene00017274	F08F8.9	12147.5	10626.3	13668.6	1.29	0.36	0.000743299	0.007527881
WBGene00008085	C44C10.4	687.7	572.8	802.7	1.40	0.49	0.000746092	0.007549862
WBGene00019196	H14A12.3	6019.8	5242.8	6796.8	1.30	0.37	0.000752421	0.007607573
WBGene00004199	prx-14	5386.1	4684.2	6087.9	1.30	0.38	0.000753197	0.007609073
WBGene00001998	hpr-17	3965.3	3435.4	4495.2	1.31	0.39	0.00075566	0.007630787
WBGene00011892	T21C9.4	4164.0	3613.4	4714.5	1.30	0.38	0.000756317	0.00763424
WBGene00011535	T06E4.8	170.5	87.7	253.4	2.89	1.53	0.000759272	0.007657696
WBGene00044609	tbcc-1	1453.7	1234.2	1673.2	1.36	0.44	0.000761182	0.007673775
WBGene00012104	sygl-1	6873.7	6023.3	7724.1	1.28	0.36	0.000763452	0.007690272
WBGene00001035	dnj-17	5824.2	5068.4	6580.1	1.30	0.38	0.000767244	0.007725263
WBGene00004821	skr-15	457.4	334.0	580.9	1.74	0.80	0.000768686	0.007736578
WBGene00017767	F25B4.4	702.6	577.4	827.7	1.43	0.52	0.0007693	0.007739544
WBGene00001186	egl-18	2098.9	1677.9	2519.9	1.50	0.59	0.00077014	0.007744786
WBGene00003919	par-4	8732.8	7633.7	9831.9	1.29	0.37	0.000770511	0.007745316
WBGene00020261	vet-1	167.7	104.0	231.4	2.22	1.15	0.000771029	0.007747313
WBGene00006571	tim-1	16300.2	14284.9	18315.5	1.28	0.36	0.000775364	0.007777989
WBGene00009584	drap-1	9365.9	8173.4	10558.3	1.29	0.37	0.000776273	0.007783895
WBGene00012898	Y46G5A.6	439.0	319.7	558.2	1.75	0.80	0.00078162	0.007827808
WBGene00008780	hxk-1	27259.1	23781.6	30736.6	1.29	0.37	0.000786199	0.007863937
WBGene00004337	rfc-1	23667.7	20753.7	26581.7	1.28	0.36	0.000785915	0.007863937
WBGene00012389	Y6B3B.4	7041.4	6172.0	7910.8	1.28	0.36	0.000788297	0.007881669
WBGene00016087	C25A11.2	2757.3	2380.9	3133.8	1.32	0.40	0.000792	0.007908923
WBGene00011604	T08A11.1	11379.9	9951.9	12807.9	1.29	0.36	0.000793106	0.007916708
WBGene00022149	lin-65	4821.1	4216.8	5425.5	1.29	0.36	0.000794267	0.007923063
WBGene00012641	epg-6	6499.8	5668.0	7331.5	1.29	0.37	0.000797301	0.00794552
WBGene00005008	spr-3	1246.5	1041.1	1451.9	1.39	0.48	0.000798816	0.007954511
WBGene00017989	nol-10	12272.5	10760.0	13784.9	1.28	0.36	0.000798859	0.007954511
WBGene00017275	F08F8.10	6492.2	5656.1	7328.2	1.30	0.37	0.000805788	0.008016932
WBGene00020819	T26A5.2	5974.2	5195.9	6752.5	1.30	0.38	0.000807712	0.008029491
WBGene00017895	vrk-1	14477.2	12668.8	16285.6	1.29	0.36	0.000809384	0.008036237
WBGene00011037	R05D11.9	8866.5	7765.3	9967.7	1.28	0.36	0.000810854	0.008047543
WBGene00003185	mek-1	7195.0	6259.1	8131.0	1.30	0.38	0.000816568	0.008091023
WBGene00006377	syp-3	1898.5	1631.9	2165.0	1.33	0.41	0.000821044	0.008122117
WBGene00022193	ppfr-4	4639.2	4051.2	5227.2	1.29	0.37	0.000825563	0.008156842
WBGene00009594	cyld-1	23104.6	20306.4	25902.8	1.28	0.35	0.000828809	0.008185588
WBGene00013465	Y67H2A.10	10593.7	9305.6	11881.7	1.28	0.35	0.000830479	0.008198747
WBGene00017088	akir-1	15629.2	13702.2	17556.3	1.28	0.36	0.000831419	0.008201356
WBGene00012512	ekl-5	2770.4	2398.1	3142.8	1.31	0.39	0.000836173	0.008238205
WBGene00016156	C27A12.6	5404.5	4716.3	6092.7	1.29	0.37	0.00084444	0.008316276
WBGene00000271	brf-1	9474.7	8283.8	10665.7	1.29	0.36	0.000848089	0.008345444

WBGene00016566	eri-7	4914.5	4266.6	5562.4	1.30	0.38	0.000857568	0.008428468
WBGene00009499	ent-6	6603.8	5721.4	7486.2	1.31	0.39	0.000865989	0.008504353
WBGene00007008	rfp-1	15209.6	13350.9	17068.3	1.28	0.35	0.000867362	0.008514386
WBGene00008645	F10C2.4	15945.6	13969.6	17921.6	1.28	0.36	0.00087265	0.00856283
WBGene00009131	F25H8.1	3795.2	3316.3	4274.0	1.29	0.37	0.000873339	0.008566137
WBGene00004873	smc-3	14793.9	12965.4	16622.5	1.28	0.36	0.00087442	0.008573275
WBGene00006720	ubc-25	20383.3	17852.6	22914.0	1.28	0.36	0.0008752	0.008577453
WBGene00011835	T19B10.8	15725.9	13810.8	17641.0	1.28	0.35	0.000877851	0.008596498
WBGene00018006	hpo-3	11378.4	9875.4	12881.5	1.30	0.38	0.000878543	0.008599806
WBGene00006446	atx-3	4674.5	4065.7	5283.4	1.30	0.38	0.000880855	0.008618961
WBGene00021539	Y42H9AR.4	8265.7	7213.5	9317.8	1.29	0.37	0.000882144	0.008628097
WBGene00017547	alfa-1	7895.9	6887.1	8904.6	1.29	0.37	0.000887998	0.008678359
WBGene00020128	R193.2	15237.3	11358.3	19116.2	1.68	0.75	0.00089191	0.008703566
WBGene00001865	him-6	6962.5	6088.1	7836.9	1.29	0.36	0.00089187	0.008703566
WBGene00010037	F54C8.4	12746.2	11159.7	14332.7	1.28	0.36	0.000898933	0.008764051
WBGene00008006	tag-325	6979.0	6102.5	7855.5	1.29	0.36	0.000900356	0.008774406
WBGene00015677	cpg-4	13292.9	11601.9	14983.8	1.29	0.37	0.000901729	0.008775067
WBGene00010815	M01F1.9	6640.0	5796.1	7483.9	1.29	0.37	0.000901726	0.008775067
WBGene00020208	T04C4.1	6645.3	5801.0	7489.5	1.29	0.37	0.000902187	0.008775067
WBGene00013877	ZC376.6	11005.6	9636.8	12374.3	1.28	0.36	0.000902181	0.008775067
WBGene00020316	brc-2	4274.6	3710.1	4839.1	1.30	0.38	0.000902608	0.008775213
WBGene00013689	bath-40	12865.8	11359.7	14371.9	1.27	0.34	0.000904826	0.008789734
WBGene00007109	B0035.6	11746.9	10334.2	13159.6	1.27	0.35	0.000908008	0.008817119
WBGene00022694	gcna-1	7732.3	6718.8	8745.9	1.30	0.38	0.000917618	0.008899761
WBGene00009366	F33H2.2	9180.7	8051.0	10310.4	1.28	0.36	0.000919957	0.008914869
WBGene00011647	noca-1	20997.7	18439.1	23556.3	1.28	0.35	0.000921215	0.008920387
WBGene00009368	pole-1	17293.9	15210.3	19377.5	1.27	0.35	0.000928113	0.008976439
WBGene00004813	skr-7	875.9	568.0	1183.9	2.08	1.06	0.000930515	0.008992788
WBGene00021366	Y37E11AM.2	2213.6	1871.0	2556.2	1.37	0.45	0.000930544	0.008992788
WBGene00000186	ark-1	5959.4	5222.3	6696.4	1.28	0.36	0.00093322	0.009015059
WBGene00008418	D2030.8	7444.2	6477.4	8410.9	1.30	0.38	0.0009338	0.009017073
WBGene00219451	F52D2.12	2433.4	2101.7	2765.0	1.32	0.40	0.000942567	0.009083663
WBGene00016955	perm-5	13523.7	11888.2	15159.3	1.28	0.35	0.000942452	0.009083663
WBGene00003835	nxf-2	4775.9	4160.9	5391.0	1.30	0.37	0.000944569	0.009099347
WBGene00011834	dvc-1	8974.5	7794.5	10154.6	1.30	0.38	0.000958022	0.009221628
WBGene00013261	sinh-1	1404.9	1210.5	1599.3	1.32	0.40	0.000963076	0.00926293
WBGene00008848	inft-2	11924.2	10473.2	13375.3	1.28	0.35	0.000964444	0.009265074
WBGene00001563	gei-6	11865.9	10416.2	13315.6	1.28	0.35	0.000964991	0.009266657
WBGene00007428	wdr-20	16813.5	14805.8	18821.2	1.27	0.35	0.000968131	0.009289469
WBGene00001595	gld-1	127659.4	112795.1	142523.7	1.26	0.34	0.000972001	0.009319229
WBGene00001813	haf-3	9102.6	7938.5	10266.7	1.29	0.37	0.000973013	0.009325255
WBGene00007705	C25A1.1	5750.8	4925.6	6575.9	1.34	0.42	0.000976656	0.0093501
WBGene00002889	let-765	22169.0	19517.5	24820.4	1.27	0.35	0.000976761	0.0093501
WBGene00009202	aptf-4	130.5	81.1	179.9	2.22	1.15	0.000995396	0.009500899
WBGene00015624	C09B8.5	236.5	173.6	299.3	1.72	0.79	0.000999054	0.009525937
WBGene00017825	cee-1	9037.3	7916.4	10158.2	1.28	0.36	0.001022511	0.009726678
WBGene00015468	madf-11	5686.4	4981.0	6391.9	1.28	0.36	0.001028101	0.009776019
WBGene00008546	gfat-1	45036.5	39624.5	50448.5	1.27	0.35	0.001045124	0.009933994
WBGene00015513	snpc-1.1	6532.5	5728.3	7336.8	1.28	0.36	0.001048112	0.009958496
WBGene00018420	F44E2.7	9149.4	7985.3	10313.6	1.29	0.37	0.001050246	0.009974868
WBGene00006561	tcl-2	1125.5	954.5	1296.4	1.36	0.44	0.00105075	0.009975752

WBGene00009556	F39B2.5	1171.9	990.8	1353.1	1.37	0.45	0.001061714	0.010071968
WBGene00007118	npp-22	15964.0	13952.0	17976.0	1.29	0.37	0.001066658	0.010110965
WBGene00235332	K04A8.20	24.0	10.1	37.9	3.76	1.91	0.001067504	0.010115034
WBGene00007761	rad-26	12001.5	10538.5	13464.4	1.28	0.35	0.001071172	0.010133972
WBGene00001214	ego-1	18145.6	16043.4	20247.9	1.26	0.34	0.001071075	0.010133972
WBGene00022762	ZK546.5	3677.8	3203.6	4151.9	1.30	0.37	0.001072547	0.010143023
WBGene00007100	B0024.10	6006.6	5290.9	6722.2	1.27	0.35	0.001075168	0.01016385
WBGene00013579	Y79H2A.2	668.8	522.7	814.8	1.56	0.64	0.001077745	0.010176327
WBGene00021535	wht-7	4486.2	3906.5	5066.0	1.30	0.37	0.001077699	0.010176327
WBGene00016586	C42C1.8	11592.6	10156.1	13029.2	1.28	0.36	0.00107767	0.010176327
WBGene00001320	ent-1	23653.2	20815.1	26491.3	1.27	0.35	0.001088289	0.010271895
WBGene00002028	hst-1	6055.9	5291.2	6820.5	1.29	0.37	0.001093374	0.01031187
WBGene00021391	smut-1	5636.8	4901.9	6371.8	1.30	0.38	0.001096001	0.010326727
WBGene00016792	C49H3.6	5179.2	4533.6	5824.8	1.28	0.36	0.001095815	0.010326727
WBGene00019940	npp-21	40215.8	35578.6	44853.0	1.26	0.33	0.001100411	0.010362133
WBGene00003036	lin-53	21182.0	18551.9	23812.1	1.28	0.36	0.001104911	0.010388388
WBGene00006577	tlf-1	7291.4	6413.7	8169.1	1.27	0.35	0.001111212	0.010439542
WBGene00022322	Y82E9BL.5	6.9	0.9	12.9	14.61	3.87	0.001113715	0.010454963
WBGene00017607	F19F10.11	8881.6	7798.5	9964.7	1.28	0.35	0.001113692	0.010454963
WBGene00022830	ZK973.1	21448.7	18877.0	24020.3	1.27	0.35	0.001121328	0.010522367
WBGene00011981	T24C2.2	267.3	188.8	345.8	1.83	0.87	0.001126307	0.010565
WBGene00019400	K04G7.1	8262.8	7223.9	9301.8	1.29	0.36	0.00112947	0.010590585
WBGene00013405	tdpt-1	2503.1	2159.2	2847.1	1.32	0.40	0.001130234	0.010593654
WBGene00020822	T26A5.6	3658.0	3176.8	4139.2	1.30	0.38	0.001131857	0.01060364
WBGene00003917	par-2	5530.4	4854.4	6206.3	1.28	0.35	0.001132173	0.01060364
WBGene00012466	ippk-1	5218.5	4581.5	5855.5	1.28	0.35	0.001133216	0.010609311
WBGene00014209	ZK1067.3	6356.5	5573.7	7139.4	1.28	0.36	0.0011407	0.010671146
WBGene00020481	T13C2.6	39186.1	34512.2	43860.0	1.27	0.35	0.001144543	0.010702979
WBGene00006483	dgk-4	15197.3	13364.1	17030.6	1.27	0.35	0.00116048	0.01083531
WBGene00003783	nos-1	2981.8	2605.4	3358.1	1.29	0.37	0.001165852	0.010881286
WBGene00010123	F55G11.2	984.9	753.0	1216.8	1.62	0.69	0.001169084	0.010905077
WBGene00008034	C39E9.11	7777.0	6809.5	8744.5	1.28	0.36	0.001173407	0.010934979
WBGene00010428	dcn-1	12319.9	10825.2	13814.6	1.28	0.35	0.001179108	0.010983894
WBGene00022850	ZK1127.3	3254.9	2825.6	3684.3	1.30	0.38	0.001187529	0.011049615
WBGene00010498	K02B12.5	6409.0	5616.7	7201.3	1.28	0.36	0.001188919	0.011058313
WBGene00045419	lsy-12	7837.1	6902.0	8772.2	1.27	0.35	0.001190029	0.011064397
WBGene00012241	W04A8.6	6478.6	5620.8	7336.4	1.31	0.38	0.001194175	0.011091374
WBGene00010620	K07A12.1	12325.3	10811.5	13839.0	1.28	0.36	0.001194301	0.011091374
WBGene00003397	mom-5	16662.2	14614.4	18710.0	1.28	0.36	0.001201122	0.01114619
WBGene00008236	C50F4.12	3628.2	3145.4	4111.0	1.31	0.39	0.001205805	0.011185372
WBGene00009460	ubr-5	48029.3	42389.2	53669.5	1.27	0.34	0.0012121	0.011226609
WBGene00015203	cdk-11.1	11607.7	10226.8	12988.6	1.27	0.34	0.001214031	0.0112402
WBGene00012360	tat-3	21128.6	18618.5	23638.6	1.27	0.34	0.001218079	0.011273386
WBGene00018948	F56C9.3	11802.2	10305.2	13299.3	1.29	0.37	0.001218899	0.011276675
WBGene00001112	duo-3	12072.1	10626.9	13517.4	1.27	0.35	0.001231351	0.011370213
WBGene00000265	brd-1	5065.9	4421.5	5710.2	1.29	0.37	0.001240486	0.011441505
WBGene00006391	taf-9	3061.4	2679.7	3443.2	1.28	0.36	0.001248432	0.011507995
WBGene00015538	sams-3	10897.7	9616.7	12178.7	1.27	0.34	0.001248643	0.011507995
WBGene00016378	imp-3	6019.3	5261.7	6776.9	1.29	0.37	0.001250105	0.0115171
WBGene00175030	Y53C12A.10	2364.2	2027.4	2701.1	1.33	0.41	0.001256531	0.011565793
WBGene00015807	C16A3.2	1945.0	1680.3	2209.7	1.32	0.40	0.00125682	0.011565793

WBGene00012735	sptf-3	6535.0	5757.0	7313.1	1.27	0.35	0.001263962	0.011618301
WBGene00000585	cogc-2	9263.2	8077.4	10449.1	1.29	0.37	0.001264579	0.011619578
WBGene00003422	msh-6	18584.4	16369.6	20799.1	1.27	0.35	0.001270653	0.011666551
WBGene00018998	flap-1	5290.2	4610.8	5969.6	1.29	0.37	0.001275058	0.011693731
WBGene00006579	tlk-1	36039.8	31960.6	40119.0	1.26	0.33	0.001276366	0.011701068
WBGene00020541	fbxb-81	8.8	2.4	15.2	6.44	2.69	0.001278792	0.01171028
WBGene00045407	T07D4.5	2066.1	1784.7	2347.5	1.32	0.40	0.001281605	0.011731619
WBGene00017311	F09G2.2	10638.3	9333.9	11942.7	1.28	0.36	0.001282187	0.011732514
WBGene00008519	cyp-13B1	364.6	261.8	467.3	1.78	0.84	0.001284868	0.011752623
WBGene00003421	msh-5	7199.6	6323.5	8075.7	1.28	0.35	0.001288067	0.011777442
WBGene00007184	ctr-9	17794.4	15617.9	19970.9	1.28	0.35	0.00129325	0.011814087
WBGene00011956	T23F11.4	647.3	537.1	757.5	1.41	0.50	0.001297128	0.01184245
WBGene00016868	C52B9.8	3149.4	2774.4	3524.5	1.27	0.35	0.001298599	0.011851425
WBGene00015136	B0304.4	992.5	843.5	1141.5	1.35	0.44	0.001301943	0.011877475
WBGene00000444	ceh-21	1283.8	1115.4	1452.2	1.30	0.38	0.001305291	0.011903552
WBGene00219313	C17E4.20	1016.8	811.2	1222.5	1.51	0.59	0.001306232	0.011907656
WBGene00013742	sas-1	3414.8	2967.3	3862.3	1.30	0.38	0.001315154	0.011980213
WBGene00017053	D2024.5	4221.8	3680.2	4763.3	1.29	0.37	0.001315748	0.011980213
WBGene00003177	mec-15	7476.7	6566.7	8386.6	1.28	0.35	0.001315997	0.011980213
WBGene00011885	T21B10.3	28224.2	24893.8	31554.7	1.27	0.34	0.001316165	0.011980213
WBGene00017025	D1037.1	5720.4	5019.9	6420.9	1.28	0.36	0.001317382	0.011986791
WBGene00010097	srpa-68	20258.7	17837.1	22680.3	1.27	0.35	0.001318471	0.01199221
WBGene00017990	cec-4	4900.8	4299.2	5502.4	1.28	0.36	0.001320559	0.012006701
WBGene00018437	btb-8	38.7	22.5	55.0	2.45	1.29	0.00133046	0.012083148
WBGene00008400	drh-3	15620.2	13804.9	17435.5	1.26	0.34	0.001332156	0.012094027
WBGene00010229	F58A4.6	1031.5	877.7	1185.3	1.35	0.43	0.001336826	0.012131882
WBGene00006496	cgef-1	2706.4	2357.9	3054.9	1.30	0.37	0.001340347	0.01215021
WBGene00003582	dcap-2	7672.6	6745.7	8599.5	1.27	0.35	0.001342177	0.012157719
WBGene00004343	rgr-1	11844.3	10428.9	13259.6	1.27	0.35	0.001341681	0.012157719
WBGene00021230	Y19D10B.1	25.2	8.4	42.0	4.99	2.32	0.001351253	0.012222477
WBGene00014013	ZK632.4	13077.7	11488.3	14667.1	1.28	0.35	0.00135134	0.012222477
WBGene00004786	sex-1	1554.0	1263.7	1844.3	1.46	0.55	0.001354778	0.012249012
WBGene00019697	M01B12.4	12792.7	11342.3	14243.1	1.26	0.33	0.001364563	0.012319127
WBGene00003391	mog-3	9101.3	8024.9	10177.7	1.27	0.34	0.001366676	0.012329032
WBGene00019354	K03B4.2	5044.2	4237.8	5850.6	1.38	0.47	0.001371774	0.012365836
WBGene00000227	atm-1	7004.5	6215.5	7793.6	1.25	0.33	0.001373465	0.012376479
WBGene00018615	F48G7.4	320.6	258.3	382.9	1.48	0.57	0.001375231	0.012387791
WBGene00010096	rskd-1	9933.5	8736.8	11130.2	1.27	0.35	0.001377486	0.012403509
WBGene00001511	fzy-1	16845.3	14789.1	18901.6	1.28	0.35	0.001381168	0.012427438
WBGene00000880	cyn-4	5602.6	4940.6	6264.7	1.27	0.34	0.001380793	0.012427438
WBGene00009112	tag-353	13208.1	11600.1	14816.0	1.28	0.35	0.001383327	0.012442254
WBGene00011063	cpg-3	47215.4	41656.8	52774.0	1.27	0.34	0.001387039	0.012471017
WBGene00018802	F54D8.6	9526.8	8435.4	10618.3	1.26	0.33	0.001401385	0.012590686
WBGene00004953	spd-2	17211.0	15216.4	19205.6	1.26	0.34	0.001402751	0.012598296
WBGene00004781	set-1	5419.0	4782.8	6055.1	1.27	0.34	0.001409814	0.012647686
WBGene00044069	hat-1	13838.3	12188.6	15488.0	1.27	0.35	0.001413287	0.012671728
WBGene00010199	bet-2	5525.6	4866.9	6184.3	1.27	0.35	0.001416384	0.012692556
WBGene00007622	C16C10.1	4860.6	4265.0	5456.2	1.28	0.36	0.001427997	0.01278247
WBGene00003183	mei-1	9846.4	8590.9	11101.9	1.29	0.37	0.001429299	0.012789411
WBGene00000417	ced-3	17593.1	15524.7	19661.5	1.27	0.34	0.001430281	0.012793479
WBGene00006392	taf-10	3710.8	3230.2	4191.4	1.30	0.38	0.001436463	0.01282987

WBGene00000264	brc-1	4480.7	3921.9	5039.5	1.28	0.36	0.001435107	0.01282987
WBGene00001978	hmp-1	15338.1	13510.0	17166.1	1.27	0.35	0.001436328	0.01282987
WBGene00022296	xpc-1	13476.7	11973.0	14980.3	1.25	0.32	0.00143559	0.01282987
WBGene00004254	pxf-1	16897.0	14908.0	18886.1	1.27	0.34	0.001441657	0.012866785
WBGene00008165	C47G2.4	8222.6	7208.3	9236.9	1.28	0.36	0.001445355	0.012895055
WBGene00008401	D2005.6	186.5	144.3	228.8	1.59	0.66	0.001452272	0.012947251
WBGene00022206	Y73B3A.4	2306.6	2022.0	2591.2	1.28	0.36	0.001455747	0.012973461
WBGene00018016	lrr-1	7676.8	6750.3	8603.3	1.27	0.35	0.001459992	0.013001752
WBGene00010054	F54D5.11	4325.5	3764.7	4886.4	1.30	0.38	0.001461109	0.013006925
WBGene00013038	ani-1	31006.9	27535.5	34478.2	1.25	0.32	0.001463519	0.013014057
WBGene00007043	tag-179	4017.4	3505.3	4529.5	1.29	0.37	0.001472104	0.013085607
WBGene00000794	crn-1	10963.0	9599.6	12326.5	1.28	0.36	0.001473511	0.013093319
WBGene00021713	Y49F6A.5	206.2	140.3	272.0	1.94	0.95	0.001474465	0.013097003
WBGene00009559	mtx-1	5460.6	4779.7	6141.5	1.28	0.36	0.001479253	0.013134725
WBGene00021629	scpl-3	1193.6	1023.0	1364.2	1.33	0.42	0.001482043	0.013154685
WBGene00015557	C06G4.1	7493.0	6588.9	8397.1	1.27	0.35	0.0014827	0.013155709
WBGene00000459	ceh-38	15687.9	13842.6	17533.1	1.27	0.34	0.001486184	0.013176994
WBGene00021153	Y4C6A.3	2965.8	2483.1	3448.5	1.39	0.47	0.001502234	0.013287191
WBGene00013593	Y87G2A.1	5989.2	5263.8	6714.6	1.28	0.35	0.001502444	0.013287191
WBGene00009974	F53C11.4	9911.4	8726.0	11096.8	1.27	0.35	0.00150714	0.013323865
WBGene00019757	memb-2	2717.0	2349.7	3084.3	1.31	0.39	0.001519903	0.013426912
WBGene00017699	flcn-1	11076.2	9776.8	12375.7	1.27	0.34	0.001521134	0.013432906
WBGene00006499	tag-153	23593.7	20941.5	26245.8	1.25	0.33	0.001527345	0.013477573
WBGene00002008	hsp-4	46111.4	40477.4	51745.3	1.28	0.35	0.00153103	0.013500644
WBGene00020263	let-355	12572.5	11101.2	14043.9	1.27	0.34	0.001536186	0.013531369
WBGene00022703	ubxn-4	14095.8	12434.2	15757.5	1.27	0.34	0.001546133	0.013609111
WBGene00003792	npp-6	19919.2	17635.8	22202.6	1.26	0.33	0.001550612	0.01363864
WBGene00010631	cash-1	27751.9	24528.5	30975.3	1.26	0.34	0.001556606	0.013681454
WBGene00010875	M05D6.2	11594.6	10214.5	12974.8	1.27	0.35	0.001562343	0.013726902
WBGene00021329	Y34D9A.3	4350.2	3795.8	4904.7	1.29	0.37	0.001566041	0.013754417
WBGene00012109	T28A8.3	5138.4	4511.0	5765.8	1.28	0.35	0.001572582	0.013796896
WBGene00011597	zim-1	6384.6	5603.3	7165.8	1.28	0.35	0.001573198	0.013797308
WBGene00004206	pst-1	4717.6	4136.3	5298.9	1.28	0.36	0.001574498	0.013798741
WBGene00018294	atg-18	16627.2	14649.2	18605.3	1.27	0.34	0.001573933	0.013798741
WBGene00014041	ZK666.1	23.7	11.1	36.3	3.27	1.71	0.001584185	0.01386736
WBGene00000383	cdc-14	18846.3	16671.2	21021.4	1.26	0.33	0.00159228	0.013919401
WBGene00013669	Y105E8A.8	3845.8	3399.4	4292.2	1.26	0.34	0.001604165	0.01400817
WBGene00002214	klc-1	16475.9	14599.4	18352.3	1.26	0.33	0.001609645	0.014050971
WBGene00002324	let-49	2309.5	1942.2	2676.9	1.38	0.46	0.001614261	0.01408114
WBGene00001162	efl-2	2408.7	2102.4	2714.9	1.29	0.37	0.001619544	0.014112009
WBGene00016943	acdh-1	142625.9	126067.5	159184.3	1.26	0.34	0.001626641	0.014163681
WBGene00001092	dro-1	4746.2	4195.3	5297.1	1.26	0.34	0.001634931	0.014220563
WBGene00004101	hgrs-1	17251.3	15270.7	19231.8	1.26	0.33	0.001637968	0.014241872
WBGene00004380	rnf-1	4628.4	4032.4	5224.4	1.30	0.37	0.001638736	0.014243453
WBGene00021736	wrb-1	2484.5	2161.8	2807.2	1.30	0.38	0.001644574	0.014289076
WBGene00014143	ZK899.5	6.3	1.5	11.2	7.51	2.91	0.001655811	0.014346378
WBGene00011012	R04D3.4	845.9	681.0	1010.8	1.48	0.57	0.001654702	0.014346378
WBGene00009138	F25H9.6	1868.8	1613.3	2124.3	1.32	0.40	0.001654985	0.014346378
WBGene00003132	mat-1	21487.0	19063.4	23910.6	1.25	0.33	0.001657435	0.014354581
WBGene00000503	cht-1	499.5	269.5	729.6	2.71	1.44	0.001668751	0.014442282
WBGene00001078	dpy-19	667.5	559.4	775.5	1.39	0.47	0.001675474	0.01449013

WBGene00022697	cyy-1	6448.5	5657.3	7239.8	1.28	0.36	0.001685374	0.014550514
WBGene00015146	abi-1	15526.1	13663.6	17388.6	1.27	0.35	0.001685453	0.014550514
WBGene00007882	C33A12.3	5705.1	5027.0	6383.1	1.27	0.34	0.001684623	0.014550514
WBGene00004326	rde-4	9795.5	8606.0	10984.9	1.28	0.35	0.001690905	0.014592397
WBGene00011988	har-2	5480.1	4809.7	6150.4	1.28	0.35	0.001694329	0.014616745
WBGene00011959	nyn-1	2720.6	2397.6	3043.5	1.27	0.34	0.001696696	0.014621577
WBGene00016157	C27A12.7	6817.2	6013.5	7620.8	1.27	0.34	0.001696089	0.014621577
WBGene00011886	T21B10.4	11585.3	10203.8	12966.8	1.27	0.35	0.001705733	0.014683823
WBGene00006737	ulp-2	12596.4	11141.0	14051.7	1.26	0.33	0.00170466	0.014683823
WBGene00006382	taf-1	10638.4	9431.0	11845.9	1.26	0.33	0.001705201	0.014683823
WBGene00017461	bath-28	1490.0	1292.6	1687.3	1.31	0.38	0.001711721	0.014730147
WBGene00004319	rbr-2	12189.9	10759.2	13620.5	1.27	0.34	0.001712818	0.014734363
WBGene00001958	hlh-14	29.0	12.4	45.6	3.67	1.88	0.001719107	0.014777988
WBGene00013080	Y51A2D.13	4219.8	3533.6	4906.1	1.39	0.47	0.001718871	0.014777988
WBGene00002192	kin-4	27790.6	24619.5	30961.8	1.26	0.33	0.001724201	0.014811288
WBGene00016796	cec-2	4873.7	4273.4	5474.0	1.28	0.36	0.0017328	0.014874634
WBGene00009132	F25H8.2	5069.2	4446.9	5691.6	1.28	0.36	0.001732419	0.014874634
WBGene00015176	vps-51	7295.8	6381.3	8210.4	1.29	0.36	0.00173402	0.014879837
WBGene00017137	pink-1	6329.4	5568.5	7090.2	1.27	0.35	0.00173592	0.014886671
WBGene00004795	sid-1	7574.9	6672.2	8477.6	1.27	0.35	0.001736042	0.014886671
WBGene00011206	R10E4.11	4275.1	3777.0	4773.1	1.26	0.34	0.001737229	0.014891584
WBGene00005024	sqv-6	6283.8	5554.6	7013.1	1.26	0.34	0.00173927	0.014903815
WBGene00009441	wdr-48	7345.6	6459.2	8231.9	1.27	0.35	0.001741774	0.01492001
WBGene00003086	lst-4	11986.3	10600.0	13372.7	1.26	0.34	0.001746291	0.014953428
WBGene00008363	D1046.2	4842.6	4249.1	5436.0	1.28	0.36	0.001749281	0.014973749
WBGene00044651	egrh-3	3414.8	2999.3	3830.3	1.28	0.35	0.001751025	0.014983388
WBGene00013697	dsbn-1	4821.6	4238.3	5405.0	1.28	0.35	0.001757972	0.01503754
WBGene00019600	rga-3	20477.8	18218.5	22737.1	1.25	0.32	0.001762917	0.015074522
WBGene00219983	F58D5.11	556.8	469.7	643.9	1.37	0.46	0.001780616	0.015193758
WBGene00018041	F35D2.3	264.3	196.1	332.5	1.70	0.76	0.0017832	0.015210456
WBGene00006638	tsp-12	9408.0	8185.8	10630.1	1.30	0.38	0.001785881	0.01522798
WBGene00006384	taf-3	2411.0	2109.0	2713.0	1.29	0.36	0.001790621	0.015257676
WBGene00011221	R10E12.2	788.9	675.0	902.8	1.34	0.42	0.001798233	0.015311786
WBGene00003373	mlh-1	5134.1	4530.8	5737.3	1.27	0.34	0.001801924	0.015336116
WBGene00010044	F54C9.9	12428.5	11000.4	13856.6	1.26	0.33	0.001802354	0.015336116
WBGene00008733	F13B12.6	12108.8	10748.5	13469.1	1.25	0.33	0.001803475	0.015340281
WBGene00011970	rlbp-1	4469.8	3918.3	5021.3	1.28	0.36	0.001810218	0.015388845
WBGene00020684	T22D1.5	16711.2	14741.2	18681.1	1.27	0.34	0.001810452	0.015388845
WBGene00014230	ZK1128.4	3916.5	3410.3	4422.7	1.30	0.38	0.001814689	0.015419461
WBGene00000914	daf-19	1738.3	1513.7	1962.8	1.30	0.37	0.001816363	0.015426716
WBGene00008723	F12F6.8	43.5	24.3	62.8	2.58	1.37	0.001836724	0.015584873
WBGene00001981	hnd-1	73.6	48.8	98.4	2.02	1.01	0.00185889	0.015734455
WBGene00044204	suds-3	3706.9	3229.8	4184.1	1.30	0.37	0.001858684	0.015734455
WBGene00002845	let-711	93265.4	83012.3	103518.5	1.25	0.32	0.001860055	0.015738828
WBGene00011962	T23G5.2	13476.5	11931.6	15021.4	1.26	0.33	0.00186115	0.015742601
WBGene00008456	E02H1.2	3936.8	3447.2	4426.3	1.28	0.36	0.001866181	0.015779659
WBGene00017357	F10E9.5	2123.7	1813.5	2433.9	1.34	0.42	0.001875527	0.015835034
WBGene00022881	ZK1248.11	3142.5	2738.5	3546.5	1.30	0.37	0.001875991	0.015835034
WBGene00016154	C27A12.2	8540.0	7541.1	9538.8	1.26	0.34	0.001889687	0.015939559
WBGene00015189	B0432.8	1469.6	1278.7	1660.5	1.30	0.38	0.001893708	0.015957746
WBGene00001023	dnj-5	47731.8	42272.5	53191.1	1.26	0.33	0.001893487	0.015957746

WBGene00014667	C06A1.4	20578.7	18282.8	22874.6	1.25	0.32	0.001894601	0.015958822
WBGene00011691	T10C6.10	1065.2	895.2	1235.2	1.38	0.46	0.001901339	0.016004473
WBGene00019402	K04G7.11	5717.6	5051.5	6383.6	1.26	0.34	0.001906049	0.016033006
WBGene00020376	T09B4.2	4735.6	4150.2	5321.0	1.28	0.36	0.001912976	0.0160857
WBGene00004163	pqn-82	1891.7	1614.0	2169.4	1.34	0.43	0.001920732	0.016135791
WBGene00016836	C50F2.2	9141.7	8098.4	10185.0	1.26	0.33	0.001920928	0.016135791
WBGene00003805	npp-19	10374.3	9150.5	11598.1	1.27	0.34	0.001922132	0.016140325
WBGene00017004	nrd-1	11591.8	10268.5	12915.0	1.26	0.33	0.001931542	0.016208127
WBGene00011431	T04D3.1	1532.0	1268.0	1796.0	1.42	0.50	0.001936985	0.016236967
WBGene00009946	F52H3.4	2330.0	2038.6	2621.4	1.29	0.36	0.001942544	0.016277942
WBGene00016170	C27F2.8	26661.0	23653.2	29668.8	1.25	0.33	0.001943522	0.016280517
WBGene00006997	zyg-12	17888.5	15869.0	19907.9	1.25	0.33	0.001944631	0.016284191
WBGene00002003	hse-5	6297.4	5533.0	7061.7	1.28	0.35	0.00195422	0.016353205
WBGene00011969	T23G11.4	2696.7	2357.1	3036.2	1.29	0.37	0.001964947	0.016431642
WBGene00011980	T24B8.7	27410.9	24273.9	30547.9	1.26	0.33	0.001969816	0.016466681
WBGene00015866	C16E9.2	954.9	812.5	1097.3	1.35	0.43	0.001972927	0.016487015
WBGene00000195	arr-1	1318.1	1142.9	1493.3	1.31	0.39	0.001977294	0.016506464
WBGene00008792	F14D7.5	10.8	2.7	19.0	7.16	2.84	0.001982502	0.016544249
WBGene00004136	pqn-51	14237.0	12641.2	15832.8	1.25	0.32	0.001984299	0.016553552
WBGene00008061	C41G7.3	8361.2	7411.6	9310.8	1.26	0.33	0.001989797	0.016588017
WBGene00008648	F10D11.2	5763.7	5073.8	6453.6	1.27	0.35	0.001999142	0.016654483
WBGene00014124	usip-1	20717.3	18316.5	23118.2	1.26	0.34	0.00201699	0.016785893
WBGene00022787	tag-307	6708.3	5884.8	7531.9	1.28	0.36	0.002018341	0.016791381
WBGene00086566	C08H9.16	3211.4	2809.6	3613.1	1.29	0.36	0.002032291	0.016901646
WBGene00050937	R02D5.8	914.4	783.4	1045.3	1.33	0.42	0.002036652	0.016932109
WBGene00022466	Y119C1A.1	5300.4	4673.1	5927.6	1.27	0.34	0.002037674	0.016934807
WBGene00010077	F55A11.4	3987.2	3512.0	4462.4	1.27	0.35	0.002044975	0.01698967
WBGene00008722	F12F6.7	7972.7	7023.1	8922.3	1.27	0.35	0.002047482	0.017004678
WBGene00017988	fipp-1	8332.1	7397.0	9267.3	1.25	0.33	0.002049203	0.017013147
WBGene00003539	nas-20	3814.2	3352.4	4276.1	1.28	0.35	0.002052237	0.017032517
WBGene00019712	rmh-1	5745.5	5068.9	6422.1	1.27	0.34	0.002055664	0.017055127
WBGene00022182	swsn-3	5367.4	4751.0	5983.8	1.26	0.33	0.002094212	0.017363081
WBGene00020938	clec-218	1545.9	1062.6	2029.1	1.91	0.93	0.002104406	0.017429736
WBGene00009172	F26F2.7	5405.3	4780.7	6029.8	1.26	0.33	0.002109086	0.017462538
WBGene00011195	sao-1	30963.4	27407.9	34519.0	1.26	0.33	0.002109975	0.017463948
WBGene00010690	K08H2.3	832.8	712.4	953.2	1.34	0.42	0.002123255	0.017565514
WBGene00007556	C14A4.3	8159.5	7176.3	9142.7	1.27	0.35	0.002123694	0.017565514
WBGene00018014	F33G12.2	1872.8	1619.7	2125.8	1.31	0.39	0.002126859	0.017585707
WBGene00002034	htp-3	10102.2	8960.7	11243.7	1.25	0.33	0.002137542	0.017668018
WBGene00004350	rgs-7	2375.1	2078.7	2671.6	1.29	0.36	0.002144445	0.017719039
WBGene00007573	C14B1.2	5795.6	5061.1	6530.1	1.29	0.37	0.002145539	0.01772205
WBGene00000147	aph-1	2968.0	2571.4	3364.7	1.31	0.39	0.002154565	0.0177845
WBGene00016313	set-4	5715.3	5046.2	6384.4	1.27	0.34	0.002154316	0.0177845
WBGene00000479	cgh-1	317201.1	283095.2	351307.1	1.24	0.31	0.002162005	0.017839846
WBGene00020719	natc-1	16760.2	14837.8	18682.5	1.26	0.33	0.002165938	0.017860161
WBGene00003827	ntl-4	24347.5	21677.1	27017.8	1.25	0.32	0.002168841	0.017878029
WBGene00015191	B0432.10	1135.8	980.6	1291.1	1.32	0.40	0.002181466	0.017975987
WBGene00007144	B0334.4	5526.0	4850.4	6201.7	1.28	0.35	0.002198452	0.018102075
WBGene00011807	T16G12.6	7966.0	7021.9	8910.0	1.27	0.34	0.002199004	0.018102075
WBGene00004186	prpf-4	16867.9	14929.8	18806.1	1.26	0.33	0.002202689	0.018126266
WBGene00194706	C53A5.16	1996.0	1735.4	2256.6	1.30	0.38	0.002210695	0.018185982

WBGene00020762	zer-1	19655.5	17433.5	21877.4	1.25	0.33	0.002218919	0.018247453
WBGene00013703	Y106G6D.7	10481.3	9324.5	11638.2	1.25	0.32	0.002221811	0.018265051
WBGene00018900	rod-1	39439.6	35022.5	43856.8	1.25	0.32	0.002222628	0.018265575
WBGene00000418	ced-4	4402.5	3877.1	4928.0	1.27	0.35	0.002225672	0.018284405
WBGene00005007	spr-2	13247.0	11693.2	14800.9	1.27	0.34	0.002235975	0.018350419
WBGene00021766	hex-4	4482.6	3929.8	5035.4	1.28	0.36	0.002239129	0.018370086
WBGene00017606	ets-6	5404.1	4754.0	6054.2	1.27	0.35	0.002242219	0.018389229
WBGene00002201	kin-18	21377.4	18947.1	23807.7	1.26	0.33	0.002246443	0.018417648
WBGene00016671	C45G7.4	150.6	115.9	185.2	1.60	0.68	0.002261155	0.018503908
WBGene00001247	elo-9	1530.3	1321.2	1739.3	1.32	0.40	0.002263825	0.018503908
WBGene00009801	ipla-2	1969.9	1723.2	2216.7	1.29	0.36	0.002261815	0.018503908
WBGene00023421	rde-11	3901.1	3434.8	4367.4	1.27	0.35	0.002263567	0.018503908
WBGene00020094	wip-1	8179.8	7229.4	9130.1	1.26	0.34	0.002262768	0.018503908
WBGene00017048	D2021.4	333.4	274.9	391.9	1.43	0.51	0.00226603	0.018515697
WBGene00008958	F19H6.3	27.4	12.7	42.1	3.30	1.72	0.002267588	0.018522198
WBGene00016791	C49H3.4	975.6	828.1	1123.0	1.36	0.44	0.002270942	0.018543354
WBGene00010910	M106.2	7296.4	6493.7	8099.1	1.25	0.32	0.002280015	0.018604921
WBGene00013610	fbxa-206	2051.8	1733.9	2369.7	1.37	0.45	0.002283603	0.018621684
WBGene00013253	Y57A10A.8	2259.6	1971.0	2548.3	1.29	0.37	0.002294417	0.01870358
WBGene00014220	ZK1098.3	557.9	471.3	644.4	1.37	0.45	0.002297738	0.018718257
WBGene00001481	fog-1	1821.2	1593.5	2049.0	1.29	0.36	0.002297759	0.018718257
WBGene00009539	F38C2.7	12.1	3.9	20.2	5.13	2.36	0.002300792	0.018736673
WBGene00018015	F33G12.3	4519.1	3969.1	5069.2	1.28	0.35	0.0023021	0.018741041
WBGene00001325	eor-2	1789.5	1569.7	2009.3	1.28	0.36	0.002304774	0.01875652
WBGene00002274	lec-11	1179.3	1003.9	1354.8	1.35	0.43	0.00230604	0.018760533
WBGene00007890	C33A12.19	1506.9	1166.6	1847.2	1.58	0.66	0.002313994	0.018809753
WBGene00009164	hrdl-1	17281.1	15292.7	19269.5	1.26	0.33	0.002314853	0.018809753
WBGene00010629	K07C5.6	15414.0	13674.0	17154.1	1.25	0.33	0.002313285	0.018809753
WBGene00004744	scp-1	6309.5	5578.9	7040.1	1.26	0.34	0.002318469	0.018828279
WBGene00021460	zwl-1	9937.1	8774.9	11099.3	1.26	0.34	0.002334549	0.018941679
WBGene00001854	hil-3	499.8	378.9	620.7	1.64	0.71	0.002341369	0.018977991
WBGene00008232	C50F4.4	868.6	735.4	1001.8	1.36	0.45	0.002346279	0.019011435
WBGene00021561	Y45G5AM.9	5896.5	5220.6	6572.3	1.26	0.33	0.002347324	0.019013562
WBGene00016667	C45E5.4	616.2	502.9	729.5	1.45	0.54	0.00234839	0.019015845
WBGene00001436	fkh-4	148.7	98.3	199.2	2.03	1.02	0.00235054	0.019026915
WBGene00007013	mdt-8	5173.8	4564.3	5783.4	1.27	0.34	0.002355785	0.019063013
WBGene00009924	cfp-1	8314.9	7326.1	9303.6	1.27	0.34	0.002357144	0.019067656
WBGene00015418	pac-1	13035.2	11603.6	14466.9	1.25	0.32	0.002359816	0.019082911
WBGene00004887	smn-1	3966.2	3476.1	4456.3	1.28	0.36	0.002361102	0.019086949
WBGene00021856	Y54F10BM.1	6477.2	5736.1	7218.4	1.26	0.33	0.002363311	0.019098444
WBGene00001985	hop-1	3312.0	2905.1	3718.9	1.28	0.36	0.002367919	0.019116593
WBGene00008918	F17C11.7	7153.3	6311.5	7995.2	1.27	0.34	0.002371199	0.01913051
WBGene00010279	letm-1	19567.8	17384.3	21751.3	1.25	0.32	0.002371219	0.01913051
WBGene00001835	hda-2	3546.8	3113.5	3980.2	1.28	0.35	0.002372803	0.019136456
WBGene00010537	mys-2	3619.4	3206.1	4032.7	1.26	0.33	0.002373532	0.019136456
WBGene00007561	ccm-3	4914.7	4344.4	5485.0	1.26	0.34	0.002380956	0.019183564
WBGene00001310	end-1	10.6	2.7	18.5	6.79	2.76	0.002383719	0.01919946
WBGene00011324	T01C3.9	3620.3	3202.4	4038.2	1.26	0.33	0.002396643	0.019297152
WBGene00011915	T22C1.4	820.5	670.3	970.8	1.45	0.53	0.002406595	0.019364439
WBGene00012236	W04A8.1	1860.6	1619.0	2102.1	1.30	0.38	0.002422568	0.019464948
WBGene00008387	D1081.9	3017.7	2650.1	3385.4	1.28	0.35	0.002423096	0.019464948

WBGene00008428	eif-2Bepsilon	6502.1	5767.8	7236.3	1.25	0.33	0.002428437	0.019501401
WBGene00011725	lips-5	273.5	222.5	324.4	1.46	0.54	0.002436159	0.019550482
WBGene00011040	R05H5.5	2659.4	2326.4	2992.4	1.29	0.36	0.002437811	0.019557266
WBGene00011016	R04F11.3	12875.4	11478.9	14271.9	1.24	0.31	0.002439612	0.019565251
WBGene00011501	rmd-1	28332.5	24503.8	32161.1	1.31	0.39	0.002441643	0.019575071
WBGene00001029	dnj-11	28179.0	25024.4	31333.6	1.25	0.32	0.002450022	0.019622813
WBGene00013024	cept-2	7016.6	6224.2	7808.9	1.25	0.33	0.00245933	0.019684372
WBGene00022073	Y67D8C.9	690.1	571.8	808.3	1.41	0.50	0.002465984	0.019731122
WBGene00011806	ekl-6	10511.1	9268.2	11754.1	1.27	0.34	0.002476279	0.019806971
WBGene00018950	F56C9.6	17136.2	15256.2	19016.1	1.25	0.32	0.002478066	0.019814731
WBGene00017587	F19B10.5	383.7	302.4	465.0	1.54	0.62	0.002481907	0.01983238
WBGene00011449	T04H1.2	20561.5	18278.0	22844.9	1.25	0.32	0.002487746	0.0198725
WBGene00013086	arrd-2	137.2	87.2	187.2	2.15	1.10	0.002490101	0.019884769
WBGene00012558	Y37D8A.21	2358.1	2057.1	2659.1	1.29	0.37	0.002491724	0.019891187
WBGene00007092	B0001.7	9345.2	8275.1	10415.4	1.26	0.33	0.002494742	0.019908727
WBGene00019698	riok-1	5747.3	5071.6	6423.0	1.27	0.34	0.002501587	0.019956798
WBGene00008343	C56A3.4	3227.7	2824.4	3630.9	1.29	0.36	0.002514884	0.020049695
WBGene00019077	zipt-11	6936.5	6090.8	7782.1	1.28	0.35	0.002515754	0.020050044
WBGene00010685	aipl-1	18092.8	16076.6	20109.0	1.25	0.32	0.00252458	0.020100593
WBGene00021522	nhr-274	2449.7	2151.7	2747.8	1.28	0.35	0.002529767	0.020128765
WBGene00011375	T02E1.2	6283.7	5542.6	7024.7	1.27	0.34	0.002534307	0.020145002
WBGene00017712	F22E5.17	1311.1	1038.7	1583.4	1.52	0.61	0.002555177	0.020284331
WBGene00016387	kbp-5	3642.3	3138.5	4146.2	1.32	0.40	0.002556976	0.020291971
WBGene00012522	Y32B12B.2	8954.0	7962.5	9945.4	1.25	0.32	0.002571229	0.02039175
WBGene00019457	vms-1	9400.6	8316.7	10484.4	1.26	0.33	0.002575813	0.020421437
WBGene00003795	npp-9	84070.2	75017.2	93123.2	1.24	0.31	0.002577031	0.020424421
WBGene00007329	C05C10.2	16624.6	14791.8	18457.3	1.25	0.32	0.002592861	0.020529774
WBGene00019143	H01M10.1	283.1	226.3	339.8	1.50	0.59	0.002595936	0.020547425
WBGene00001093	drp-1	20665.7	18305.5	23025.9	1.26	0.33	0.002601719	0.020579772
WBGene00008082	com-1	4234.0	3740.5	4727.4	1.26	0.34	0.002604586	0.020595744
WBGene00043051	C29E4.13	2671.3	2343.5	2999.1	1.28	0.36	0.002607033	0.020608382
WBGene00019353	K03B4.1	4610.5	4070.0	5151.1	1.27	0.34	0.002611786	0.020639228
WBGene00013407	Y63D3A.8	3021.7	2662.0	3381.4	1.27	0.35	0.002613025	0.020642301
WBGene00004882	smg-4	7558.0	6699.2	8416.7	1.26	0.33	0.002615866	0.020658023
WBGene00000863	cya-1	10273.9	9131.5	11416.3	1.25	0.32	0.002631378	0.020767009
WBGene00017967	ada-2	6311.1	5593.0	7029.2	1.26	0.33	0.002635346	0.020791568
WBGene00021711	wago-11	160.2	122.3	198.1	1.62	0.70	0.00264276	0.020843291
WBGene00003219	mes-1	2466.6	2153.3	2779.9	1.29	0.37	0.002649093	0.020886449
WBGene00021661	mbtr-1	2868.1	2482.2	3254.1	1.31	0.39	0.002660276	0.020954203
WBGene00013096	mcd-1	6340.2	5584.7	7095.7	1.27	0.35	0.002673926	0.021049837
WBGene00007024	plin-1	30707.4	27225.4	34189.3	1.26	0.33	0.002674151	0.021049837
WBGene00008417	D2030.7	8077.9	7150.2	9005.5	1.26	0.33	0.002688426	0.021141634
WBGene00010845	M03C11.8	14577.2	12978.4	16176.1	1.25	0.32	0.002695878	0.02118651
WBGene00015529	C06E2.5	436.9	362.9	510.9	1.41	0.49	0.002701182	0.021221326
WBGene00009159	F26E4.4	6513.4	5754.1	7272.7	1.26	0.34	0.002711284	0.021286912
WBGene00015249	otub-4	6229.4	5447.6	7011.3	1.29	0.36	0.002724945	0.02138034
WBGene00012002	T24H10.4	5300.1	4669.9	5930.4	1.27	0.34	0.002739215	0.02147842
WBGene00019883	met-2	16180.2	14423.7	17936.6	1.24	0.31	0.002738922	0.02147842
WBGene00001582	gfi-2	14345.5	12759.4	15931.6	1.25	0.32	0.002745018	0.021516967
WBGene00004892	sms-1	8522.4	7597.7	9447.0	1.24	0.31	0.002747923	0.02153279
WBGene00002136	inx-14	12377.1	10913.0	13841.1	1.27	0.34	0.002786331	0.021798573

WBGene00001332	eri-1	5342.3	4751.9	5932.7	1.25	0.32	0.00278506	0.021798573
WBGene00017373	F10G7.10	9335.5	8375.6	10295.4	1.23	0.30	0.00278597	0.021798573
WBGene00002251	lat-1	21583.4	19205.3	23961.4	1.25	0.32	0.002810539	0.021959651
WBGene00013515	Y73F4A.2	1777.3	1424.3	2130.4	1.50	0.58	0.002815646	0.021985406
WBGene00013419	Y65A5A.2	5421.9	4808.6	6035.3	1.26	0.33	0.002827269	0.02206906
WBGene00015156	B0361.2	5076.0	4476.0	5675.9	1.27	0.34	0.002848936	0.022223896
WBGene00020199	T03G11.6	2184.9	1914.6	2455.2	1.28	0.36	0.002853926	0.022255674
WBGene00015916	C17G10.2	5608.7	4962.1	6255.4	1.26	0.33	0.002856435	0.022262759
WBGene00008274	C53B4.4	24048.3	21431.0	26665.6	1.24	0.32	0.002856669	0.022262759
WBGene00015620	C08G9.2	140.2	103.7	176.8	1.70	0.77	0.002858484	0.022269754
WBGene00007620	ocrl-1	8867.6	7856.5	9878.8	1.26	0.33	0.002861542	0.022286424
WBGene00017696	polk-1	8609.5	7629.7	9589.4	1.26	0.33	0.002866404	0.022317137
WBGene00003396	mom-4	6303.2	5581.1	7025.3	1.26	0.33	0.002873327	0.022363864
WBGene00012157	adbp-1	2846.3	2506.7	3185.9	1.27	0.35	0.002878029	0.022386102
WBGene00017450	bath-27	994.2	846.7	1141.8	1.35	0.43	0.002880769	0.022400243
WBGene00015819	fbxc-44	3848.1	3370.7	4325.5	1.28	0.36	0.002881711	0.022400386
WBGene00010111	F55D12.2	2790.1	2461.8	3118.4	1.27	0.34	0.002929395	0.02272739
WBGene00001259	emb-5	43365.1	38775.6	47954.7	1.24	0.31	0.002950829	0.022849866
WBGene00015815	C16A11.2	5507.3	4862.5	6152.2	1.27	0.34	0.002952999	0.022859379
WBGene00013676	ekl-4	6284.3	5598.7	6969.8	1.24	0.32	0.002957934	0.022882982
WBGene00077500	C27H6.9	2685.5	2354.7	3016.4	1.28	0.36	0.002968066	0.022932053
WBGene00008219	C50B6.3	9893.4	8761.2	11025.6	1.26	0.33	0.002966408	0.022932053
WBGene00021542	Y43B11AL.1	66.5	44.7	88.3	1.98	0.98	0.002976174	0.022979254
WBGene00017011	eaf-1	6173.4	5452.2	6894.6	1.26	0.34	0.002977004	0.022979254
WBGene00001365	exc-4	3722.3	3304.2	4140.4	1.25	0.33	0.00298144	0.023006177
WBGene00015742	kxd-1	652.1	499.5	804.7	1.61	0.69	0.002987586	0.023046277
WBGene00006568	thk-1	4478.9	3940.0	5017.8	1.27	0.35	0.002992549	0.023077233
WBGene00019892	R05F9.9	3354.8	2947.4	3762.2	1.28	0.35	0.002995413	0.023091981
WBGene00009565	F39H11.1	4762.2	4228.2	5296.1	1.25	0.32	0.003004836	0.023157271
WBGene00010671	eak-7	8455.2	7489.1	9421.3	1.26	0.33	0.003024255	0.023262618
WBGene00010908	zbp-1	32909.0	29512.8	36305.3	1.23	0.30	0.003024217	0.023262618
WBGene00015188	B0432.7	1588.5	1391.8	1785.3	1.28	0.36	0.003025404	0.023264082
WBGene00001812	haf-2	9226.5	8189.5	10263.5	1.25	0.33	0.003027391	0.023271992
WBGene00020423	prp-19	26312.7	23437.8	29187.7	1.25	0.32	0.003029837	0.023283423
WBGene00000543	clp-2	5523.6	4904.9	6142.3	1.25	0.32	0.003039276	0.023338955
WBGene00003793	npp-7	53662.2	48041.7	59282.6	1.23	0.30	0.00305052	0.023405314
WBGene00016601	acin-1	9353.7	8287.7	10419.7	1.26	0.33	0.003057365	0.023450423
WBGene00018897	zipt-2.4	9262.5	8208.1	10316.8	1.26	0.33	0.003070526	0.023521641
WBGene00012474	attf-6	9831.3	8795.4	10867.3	1.24	0.31	0.003069479	0.023521641
WBGene00002074	ima-3	51830.8	46442.1	57219.5	1.23	0.30	0.003070267	0.023521641
WBGene00009772	ztf-7	66492.0	59262.6	73721.3	1.24	0.31	0.003086183	0.023634129
WBGene00001827	hcf-1	23843.1	21267.8	26418.3	1.24	0.31	0.003105995	0.023755871
WBGene00010553	K04C1.3	472.1	395.0	549.1	1.39	0.48	0.003109654	0.023776367
WBGene00007621	C16C2.4	7987.6	7068.9	8906.3	1.26	0.33	0.003123742	0.023876561
WBGene00008005	C38D4.4	11278.9	10019.9	12538.0	1.25	0.32	0.003140505	0.023997132
WBGene00019877	R05D3.2	11020.6	9776.3	12264.9	1.25	0.33	0.003147	0.024039195
WBGene00013432	Y66D12A.6	445.5	374.2	516.9	1.38	0.47	0.003160466	0.024119291
WBGene00001820	ham-1	224.9	170.0	279.7	1.65	0.72	0.003162639	0.024128292
WBGene00018167	nspb-4	38.7	21.2	56.2	2.66	1.41	0.00319539	0.024355189
WBGene00015283	C01B10.9	7291.0	6482.1	8100.0	1.25	0.32	0.003199493	0.02437051
WBGene00017589	F19B10.10	2446.6	2138.3	2754.9	1.29	0.37	0.003216735	0.024471779

WBGene00021293	Y25C1A.6	84.0	44.8	123.3	2.75	1.46	0.003221822	0.02449761
WBGene00015134	B0304.2	3353.1	2940.1	3766.2	1.28	0.36	0.003222148	0.02449761
WBGene00000467	cep-1	6981.7	6221.3	7742.2	1.24	0.32	0.003237079	0.024588026
WBGene00009563	F39H2.3	5062.7	4400.4	5725.0	1.30	0.38	0.003238512	0.024591218
WBGene00012718	dhhc-8	3998.6	3540.8	4456.3	1.26	0.33	0.003240054	0.024595234
WBGene00004340	rfc-4	11322.3	9976.8	12667.9	1.27	0.34	0.003253922	0.024680319
WBGene00021315	Y32H12A.7	6599.0	5831.7	7366.3	1.26	0.34	0.003253769	0.024680319
WBGene00012972	rsa-2	13811.6	12354.1	15269.2	1.24	0.31	0.003254313	0.024680319
WBGene00000886	cyn-10	2439.2	2120.1	2758.2	1.30	0.38	0.003256358	0.024688119
WBGene00016934	mboa-3	4314.9	3827.1	4802.6	1.25	0.33	0.003257848	0.0246917
WBGene00000520	cku-80	6706.0	5976.3	7435.6	1.24	0.32	0.003259959	0.024696888
WBGene00004881	smg-3	10214.0	9079.6	11348.5	1.25	0.32	0.003262619	0.024697018
WBGene00016311	C32D5.3	9801.2	8668.5	10933.8	1.26	0.33	0.003272965	0.024752179
WBGene00008288	C54C6.6	1514.1	1310.2	1718.0	1.31	0.39	0.003277969	0.024782302
WBGene00011912	T22C1.1	9233.8	8283.8	10183.8	1.23	0.30	0.003288662	0.024847665
WBGene00015499	inst-1	15505.8	13819.6	17191.9	1.24	0.32	0.003294482	0.024883896
WBGene00010622	K07A12.4	5445.2	4805.7	6084.7	1.27	0.34	0.003295625	0.024884785
WBGene00010677	gtbp-1	55103.1	49349.1	60857.0	1.23	0.30	0.00330029	0.024912263
WBGene00006703	ubc-6	6798.5	6003.9	7593.0	1.26	0.34	0.003312669	0.024990167
WBGene00003154	mcm-2	31939.8	28491.8	35387.9	1.24	0.31	0.003314926	0.024999422
WBGene00000898	daf-2	13320.0	11910.6	14729.5	1.24	0.31	0.003324918	0.025066993
WBGene00020444	T12B3.1	49.4	33.2	65.6	1.98	0.98	0.003329228	0.02509169
WBGene00004323	rde-1	10297.6	9184.2	11410.9	1.24	0.31	0.003346705	0.025207757
WBGene00001050	dom-3	2034.9	1785.8	2283.9	1.28	0.35	0.003360508	0.025303873
WBGene00012733	Y40B1A.2	246.2	200.5	291.9	1.46	0.54	0.003363212	0.025316384
WBGene00008533	F02E9.10	6304.6	5598.3	7010.8	1.25	0.32	0.003368572	0.025348869
WBGene00007277	asfl-1	5350.0	4743.6	5956.4	1.26	0.33	0.003370772	0.025357563
WBGene00003605	nhr-6	192.4	144.2	240.5	1.67	0.74	0.003377022	0.02539134
WBGene00009222	fbxa-95	841.9	717.0	966.8	1.35	0.43	0.003377354	0.02539134
WBGene00044987	K07A1.17	4667.0	4101.1	5232.9	1.28	0.35	0.003395198	0.025501805
WBGene00007642	C17E4.2	38.7	23.3	54.1	2.32	1.22	0.003397257	0.025509372
WBGene00002047	icp-1	11285.1	10101.8	12468.5	1.23	0.30	0.003407972	0.025581917
WBGene00011966	T23G7.3	7837.2	6945.8	8728.7	1.26	0.33	0.003415327	0.025629207
WBGene00010056	smc-6	25370.2	22690.9	28049.6	1.24	0.31	0.00341805	0.02564171
WBGene00017239	F08B6.1	557.9	470.4	645.4	1.37	0.46	0.003422047	0.025663765
WBGene00000408	cdk-7	5719.8	5065.0	6374.6	1.26	0.33	0.003436043	0.025744874
WBGene00006729	ucp-4	2365.2	2060.9	2669.6	1.30	0.37	0.003437669	0.025749109
WBGene00008887	tbcd-1	15941.5	14181.3	17701.7	1.25	0.32	0.003457755	0.025875606
WBGene00014092	ZK822.5	3771.0	3323.5	4218.4	1.27	0.34	0.003472801	0.02595619
WBGene00006823	unc-94	9652.2	8601.9	10702.5	1.24	0.32	0.003472278	0.02595619
WBGene00009365	F33H1.4	21760.5	19494.6	24026.4	1.23	0.30	0.003471895	0.02595619
WBGene00004002	pgp-8	855.9	687.5	1024.2	1.49	0.58	0.00347526	0.025966581
WBGene00007186	B0464.6	17173.6	15314.9	19032.4	1.24	0.31	0.003477882	0.025970184
WBGene00077643	trpp-1	1396.6	1215.0	1578.2	1.30	0.38	0.00348095	0.0259851
WBGene00009667	F43G9.4	5417.6	4808.9	6026.3	1.25	0.33	0.003486519	0.026018668
WBGene00003912	pal-1	11656.7	10357.1	12956.3	1.25	0.32	0.003495217	0.026075565
WBGene00010806	M01E5.3	17450.5	15580.5	19320.4	1.24	0.31	0.003519921	0.026243736
WBGene00011696	eea-1	10322.7	9226.6	11418.7	1.24	0.31	0.003531708	0.026323529
WBGene00011464	T05B9.1	22678.5	20242.8	25114.2	1.24	0.31	0.003537441	0.026358168
WBGene00017797	symk-1	9084.5	8106.7	10062.4	1.24	0.31	0.003539159	0.026362877
WBGene00019830	hrg-1	1071.0	608.1	1533.9	2.52	1.33	0.003550902	0.026417924

WBGene00019987	R09F10.3	1480.7	1309.9	1651.4	1.26	0.33	0.003549421	0.026417924
WBGene00016449	C35D10.13	6239.7	5548.0	6931.4	1.25	0.32	0.003550513	0.026417924
WBGene00018072	nprl-3	4595.6	4050.2	5141.0	1.27	0.34	0.003552094	0.026418701
WBGene00006605	tra-2	8081.5	7167.3	8995.7	1.26	0.33	0.003557679	0.026452132
WBGene00011704	sdz-31	4.4	0.3	8.4	27.05	4.76	0.00356637	0.026492412
WBGene00011867	chc-1	84902.0	75947.4	93856.5	1.24	0.31	0.00356586	0.026492412
WBGene00010493	meg-2	3006.1	2677.4	3334.7	1.25	0.32	0.003570953	0.026518343
WBGene00011230	nud-2	8804.0	7851.3	9756.7	1.24	0.31	0.003573946	0.026532447
WBGene00004510	rrf-3	11395.2	10156.1	12634.4	1.24	0.32	0.003578306	0.026548582
WBGene00022598	ztf-8	10861.3	9633.4	12089.3	1.25	0.33	0.003590061	0.026611394
WBGene00021626	rft-2	2920.7	2577.5	3263.9	1.27	0.34	0.00359288	0.026624165
WBGene00012117	T28B11.1	17169.0	15324.1	19013.9	1.24	0.31	0.003621804	0.026830307
WBGene00009529	F38B2.2	47.5	27.3	67.7	2.48	1.31	0.003624988	0.026836672
WBGene00010726	K09E9.3	1224.4	1065.7	1383.1	1.30	0.38	0.00362598	0.026836672
WBGene00195093	Y59E9AL.36	6085.9	5420.2	6751.5	1.25	0.32	0.003625597	0.026836672
WBGene00019399	K04F10.7	6179.9	5483.4	6876.4	1.25	0.33	0.003643465	0.026949649
WBGene00014218	ZK1098.1	13216.1	11810.4	14621.8	1.24	0.31	0.003647736	0.026964811
WBGene00007585	C14C10.2	927.1	794.8	1059.5	1.33	0.41	0.00367083	0.027127268
WBGene00019619	asp-14	14110.2	11882.8	16337.7	1.37	0.46	0.003681502	0.027181311
WBGene00017252	sdz-10	9.8	3.0	16.6	5.59	2.48	0.00369249	0.027254144
WBGene00011142	R08D7.1	7374.3	6570.9	8177.7	1.24	0.32	0.003698655	0.027291352
WBGene00002694	let-502	24916.4	22265.3	27567.5	1.24	0.31	0.003707952	0.027351636
WBGene00012851	Y44A6C.2	57.3	31.4	83.1	2.64	1.40	0.003712332	0.027367313
WBGene00001149	bcat-1	30435.3	27310.2	33560.4	1.23	0.30	0.003712063	0.027367313
WBGene00001583	gfi-3	1794.4	1566.1	2022.6	1.29	0.37	0.003722441	0.027432417
WBGene00016200	dpff-1	7058.9	6228.2	7889.5	1.27	0.34	0.003731903	0.027478215
WBGene00017812	F26A1.14	1080.8	936.5	1225.0	1.31	0.39	0.003735611	0.027488842
WBGene00013019	Y48G10A.2	4379.6	3874.5	4884.7	1.26	0.33	0.00374065	0.027509245
WBGene00021022	W04B5.5	2444.4	2141.5	2747.3	1.28	0.36	0.003744523	0.027529388
WBGene00017855	F27C1.6	9794.2	8739.6	10848.7	1.24	0.31	0.003746796	0.027537763
WBGene00020949	W02F12.4	5352.8	4734.2	5971.5	1.26	0.33	0.003752608	0.027563783
WBGene00043056	nfya-2	2194.9	1929.3	2460.5	1.28	0.35	0.003775355	0.027722481
WBGene00009290	F31D4.2	8274.7	7334.9	9214.4	1.26	0.33	0.003781758	0.027752605
WBGene00003037	lin-54	9014.7	8035.0	9994.4	1.24	0.31	0.003780718	0.027752605
WBGene00003868	ooc-3	7310.4	6473.3	8147.4	1.26	0.33	0.003785062	0.027755846
WBGene00000419	ced-5	16538.9	14763.9	18313.9	1.24	0.31	0.003785616	0.027755846
WBGene00009329	F32D8.4	2789.5	2450.1	3128.9	1.28	0.35	0.00379191	0.027785211
WBGene00003009	lin-23	17398.2	15519.4	19277.1	1.24	0.31	0.003793694	0.027789895
WBGene00018819	rog-1	6072.2	5401.0	6743.5	1.25	0.32	0.003814522	0.027917192
WBGene00006580	tlp-1	1085.7	947.9	1223.6	1.29	0.37	0.003824308	0.027980383
WBGene00016443	C35D10.6	5499.8	4873.9	6125.7	1.26	0.33	0.003839673	0.028079127
WBGene00014215	obr-3	2883.4	2569.6	3197.2	1.24	0.32	0.003840118	0.028079127
WBGene00016373	swd-2.1	3015.7	2644.3	3387.0	1.28	0.36	0.003842711	0.028089626
WBGene00020209	T04C9.1	11179.7	9951.9	12407.6	1.25	0.32	0.003852762	0.028146148
WBGene00012935	mcm-10	4280.8	3780.5	4781.0	1.26	0.34	0.003858995	0.028183203
WBGene00009089	jmjd-3.2	50.8	32.3	69.4	2.15	1.10	0.003862174	0.028197934
WBGene00019247	syp-4	13458.4	12054.7	14862.1	1.23	0.30	0.003897148	0.028419091
WBGene00020628	T20F5.6	13351.8	11931.7	14772.0	1.24	0.31	0.003899891	0.028430557
WBGene00022641	ZK6.6	385.0	296.6	473.3	1.60	0.67	0.003920198	0.028570015
WBGene00016015	C23G10.8	17229.0	15460.0	18998.0	1.23	0.30	0.003928699	0.02862338
WBGene00003736	nhx-9	988.4	855.5	1121.3	1.31	0.39	0.003932064	0.028630713

WBGene00017708	F22E5.9	1156.8	1006.4	1307.2	1.30	0.38	0.003938803	0.028664204
WBGene00021649	Y47G6A.25	4136.7	3640.9	4632.5	1.27	0.35	0.003941387	0.028664204
WBGene00008266	C53A5.6	9062.1	8068.9	10055.4	1.25	0.32	0.003939446	0.028664204
WBGene00003818	nsf-1	9733.5	8673.2	10793.7	1.24	0.32	0.003962485	0.028788998
WBGene00008183	rin-1	18737.6	16781.9	20693.3	1.23	0.30	0.00396329	0.028788998
WBGene00019357	cpg-8	4119.6	3400.2	4839.0	1.42	0.51	0.003969146	0.028814288
WBGene00001973	hmg-3	19933.7	17756.2	22111.1	1.25	0.32	0.003968346	0.028814288
WBGene00019943	R07G3.7	9543.9	8527.2	10560.6	1.24	0.31	0.003980858	0.028864787
WBGene00002783	let-607	21544.8	19265.4	23824.2	1.24	0.31	0.004003851	0.029014175
WBGene00007162	fbxa-153	261.4	202.5	320.3	1.58	0.66	0.004028783	0.029177427
WBGene00016171	C27F2.10	5908.3	5232.8	6583.8	1.26	0.33	0.004036659	0.029225751
WBGene00004348	rgs-5	1648.2	1439.5	1856.9	1.29	0.37	0.004038723	0.029231971
WBGene00184990	C14B1.12	1421.1	1234.4	1607.7	1.30	0.38	0.004048908	0.029296956
WBGene00015005	B0034.5	45.8	27.4	64.1	2.34	1.23	0.004052326	0.029308
WBGene00003858	ogt-1	19203.7	17202.4	21204.9	1.23	0.30	0.004052849	0.029308
WBGene00006440	tag-63	7666.5	6837.8	8495.2	1.24	0.31	0.004063522	0.029358949
WBGene00013926	nep-1	2498.9	2194.5	2803.3	1.28	0.35	0.004079277	0.029446482
WBGene00018635	nprl-2	6770.4	5996.1	7544.8	1.26	0.33	0.004086315	0.02948852
WBGene00006931	vps-26	6748.8	5989.5	7508.2	1.25	0.33	0.004098966	0.029571024
WBGene00008940	F18H3.4	1534.9	1333.1	1736.7	1.30	0.38	0.004129102	0.029779586
WBGene00003576	ndc-80	11830.4	10548.5	13112.2	1.24	0.31	0.004138868	0.029841155
WBGene00015670	C10B5.1	621.7	522.2	721.2	1.38	0.47	0.004147577	0.029895067
WBGene00007187	tag-342	4416.6	3873.2	4960.0	1.28	0.36	0.004173246	0.030035496
WBGene00009427	fbxa-181	129.9	92.0	167.7	1.82	0.87	0.004189104	0.030140687
WBGene00020447	T12B3.4	2444.4	2147.3	2741.5	1.28	0.35	0.004200322	0.030203501
WBGene00007029	mys-1	6387.9	5689.7	7086.1	1.25	0.32	0.004217475	0.030308889
WBGene00006706	ubc-9	17826.6	15843.0	19810.3	1.25	0.32	0.004235566	0.030429894
WBGene00009302	F31F6.3	615.2	524.0	706.4	1.35	0.43	0.004247639	0.0305076
WBGene00011870	T20G5.8	1530.8	1270.0	1791.6	1.41	0.50	0.004252964	0.030536811
WBGene00008856	F15D3.6	7058.6	6302.7	7814.4	1.24	0.31	0.004260688	0.030583224
WBGene00018698	vha-18	7734.1	6852.4	8615.8	1.26	0.33	0.004264587	0.030596176
WBGene00001678	gpa-16	7062.2	6342.1	7782.2	1.23	0.30	0.004266273	0.030596176
WBGene00007177	oac-1	3.9	0.6	7.3	12.37	3.63	0.004314956	0.030917908
WBGene00012458	ash-2	5726.1	5107.9	6344.3	1.24	0.31	0.004320469	0.030948278
WBGene00007588	C14C10.5	43486.7	38966.9	48006.5	1.23	0.30	0.004327295	0.030978891
WBGene00021332	Y34D9A.7	3078.7	2722.4	3435.0	1.26	0.34	0.004336675	0.03103689
WBGene00004508	rrf-1	7975.6	7118.8	8832.4	1.24	0.31	0.004338105	0.031037968
WBGene00014234	vps-29	3925.9	3488.8	4363.0	1.25	0.32	0.004340686	0.031047289
WBGene00018319	hda-6	13509.3	12034.1	14984.4	1.25	0.32	0.004367127	0.031208822
WBGene00007111	sart-3	21441.6	19228.1	23655.1	1.23	0.30	0.004367024	0.031208822
WBGene00004244	puf-8	11647.0	10405.0	12889.0	1.24	0.31	0.004376501	0.03126661
WBGene00021070	cpr-8	824.5	704.6	944.3	1.34	0.42	0.004385414	0.031321068
WBGene00016846	C50F7.6	658.6	566.2	751.0	1.33	0.41	0.004409132	0.031471949
WBGene00002035	hum-1	12645.1	11278.4	14011.9	1.24	0.31	0.004410715	0.031473994
WBGene00001499	fsn-1	10329.1	9226.5	11431.8	1.24	0.31	0.004421957	0.031544938
WBGene00021465	ekl-7	6198.1	5553.8	6842.4	1.23	0.30	0.004426199	0.031556656
WBGene00013966	ztf-9	1403.7	1221.3	1586.1	1.30	0.38	0.004433685	0.031600746
WBGene00021636	pcaf-1	5591.2	4968.3	6214.1	1.25	0.32	0.004449785	0.031697467
WBGene00022759	ZK546.2	10262.2	9148.8	11375.6	1.24	0.31	0.004449867	0.031697467
WBGene00003133	mat-2	16577.8	14847.9	18307.7	1.23	0.30	0.00446295	0.031781336
WBGene00017888	acl-11	2095.4	1842.3	2348.6	1.27	0.35	0.004484017	0.031903285

WBGene00013224	Y55D9A.2	4677.0	4133.8	5220.2	1.26	0.34	0.004494535	0.031968744
WBGene00017642	F20D12.2	13339.5	11902.3	14776.6	1.24	0.31	0.00450053	0.032002014
WBGene00021902	oxy-4	2581.7	2286.8	2876.7	1.26	0.33	0.004510671	0.032055342
WBGene00018132	F37A4.2	3929.6	3466.2	4393.1	1.27	0.34	0.00451698	0.032090784
WBGene00021402	Y38C1AA.12	2583.0	2287.2	2878.8	1.26	0.33	0.004518576	0.032092732
WBGene00009785	F46C5.10	618.4	509.2	727.6	1.43	0.51	0.004520754	0.03209881
WBGene00010232	F58B3.6	11589.3	10340.8	12837.8	1.24	0.31	0.004523557	0.032109319
WBGene00021311	Y32H12A.2	6408.3	5726.9	7089.8	1.24	0.31	0.004528241	0.032126053
WBGene00020092	pcf-11	14341.5	12842.3	15840.8	1.23	0.30	0.004528561	0.032126053
WBGene00045237	mrt-1	4338.4	3862.3	4814.5	1.25	0.32	0.00454578	0.032238786
WBGene00018512	trpp-8	10454.1	9362.7	11545.5	1.23	0.30	0.004551025	0.032257135
WBGene00010065	F54F7.3	3958.2	3477.9	4438.5	1.28	0.35	0.004558618	0.032301522
WBGene00020716	phf-30	2806.9	2478.7	3135.1	1.26	0.34	0.004589641	0.03245503
WBGene00020779	T24G10.2	9731.2	8663.0	10799.3	1.25	0.32	0.004588463	0.03245503
WBGene00015567	bath-44	9488.2	8450.2	10526.2	1.25	0.32	0.004583902	0.03245503
WBGene00006944	wrn-1	8440.3	7553.3	9327.2	1.23	0.30	0.004599162	0.032512891
WBGene00001060	dpf-7	6762.4	6010.6	7514.2	1.25	0.32	0.004616859	0.032600023
WBGene00011111	snfc-5	6207.2	5512.6	6901.8	1.25	0.32	0.004618644	0.032603142
WBGene00001561	gei-4	11934.3	10649.1	13219.5	1.24	0.31	0.00462327	0.032626307
WBGene00012203	rga-1	4324.0	3834.6	4813.3	1.26	0.33	0.00462627	0.032637989
WBGene00013231	tsen-2	1668.3	1464.8	1871.8	1.28	0.35	0.004632092	0.032669572
WBGene00003787	npp-1	11905.6	10662.6	13148.5	1.23	0.30	0.004673087	0.03293598
WBGene00019801	aak-1	5672.5	5075.5	6269.5	1.24	0.30	0.00467638	0.032943644
WBGene00001869	him-10	8792.4	7843.2	9741.6	1.24	0.31	0.004714964	0.033186566
WBGene00019842	R02F11.4	6564.0	5841.3	7286.6	1.25	0.32	0.004718448	0.033201459
WBGene00022138	trpp-10	2928.6	2598.3	3258.8	1.25	0.33	0.004732365	0.033280097
WBGene00008338	pafo-1	10402.8	9268.0	11537.5	1.24	0.32	0.004736696	0.033300906
WBGene00006387	taf-6.1	2539.8	2254.5	2825.1	1.25	0.33	0.004739565	0.033311427
WBGene00008157	C47F8.1	157.2	122.6	191.7	1.56	0.65	0.004741328	0.033314179
WBGene00019090	F59A7.2	533.8	445.2	622.4	1.40	0.48	0.004761279	0.033396361
WBGene00019672	K12B6.8	638.5	548.5	728.6	1.33	0.41	0.004760974	0.033396361
WBGene00018613	skpt-1	11116.2	9933.7	12298.6	1.24	0.31	0.004758891	0.033396361
WBGene00006957	wsp-1	8970.3	8062.6	9877.9	1.23	0.29	0.004770071	0.033448367
WBGene00000405	cdk-1	18144.3	16163.7	20125.0	1.25	0.32	0.004772158	0.033453335
WBGene00016623	psmd-9	2168.2	1901.0	2435.4	1.28	0.36	0.004776217	0.033472129
WBGene00006793	unc-59	10920.8	9743.5	12098.0	1.24	0.31	0.004781082	0.033496553
WBGene00016182	C28C12.12	7884.2	7027.4	8741.0	1.24	0.31	0.00480926	0.033655119
WBGene00006331	sup-26	4679.9	4170.5	5189.2	1.24	0.32	0.004822129	0.033725731
WBGene00016113	eif-2D	6350.1	5670.5	7029.7	1.24	0.31	0.004829562	0.033767989
WBGene00010551	smg-8	5663.3	5043.8	6282.8	1.25	0.32	0.004831416	0.033771223
WBGene00008331	ttll-5	10886.8	9757.6	12016.0	1.23	0.30	0.004842544	0.033839264
WBGene00012130	slc-17.4	2651.7	2128.5	3174.9	1.49	0.58	0.004849117	0.03387544
WBGene00002981	lgg-2	8138.9	7268.3	9009.5	1.24	0.31	0.004883754	0.034107601
WBGene00021906	Y55B1AR.2	6067.1	5451.9	6682.4	1.23	0.29	0.004888234	0.034109446
WBGene00009456	F36A2.9	11132.9	9945.3	12320.6	1.24	0.31	0.004904885	0.034204198
WBGene00013443	such-1	8892.6	7964.3	9820.8	1.23	0.30	0.00490604	0.034204198
WBGene00016281	pals-32	190.9	128.4	253.4	1.97	0.98	0.004907727	0.03420614
WBGene00021735	Y50D4A.1	5673.2	5056.1	6290.3	1.24	0.32	0.004910294	0.03421421
WBGene00019295	pfkb-1.2	8071.4	7213.5	8929.2	1.24	0.31	0.004922185	0.034287222
WBGene00013288	Y57A10C.10	9.7	2.1	17.2	8.03	3.01	0.004943066	0.034422794
WBGene00000818	csn-6	5783.8	5169.6	6397.9	1.24	0.31	0.004952431	0.034478121

WBGene00017045	atg-13	4492.9	3993.6	4992.3	1.25	0.32	0.004954099	0.034479845
WBGene00015849	C16C8.11	866.1	746.0	986.1	1.32	0.40	0.004961833	0.034513883
WBGene00011066	ztf-15	7409.4	6592.5	8226.2	1.25	0.32	0.00496044	0.034513883
WBGene00020500	T14B4.3	4737.3	4199.5	5275.0	1.26	0.33	0.004970874	0.034537188
WBGene00022127	yop-1	21381.3	19066.5	23696.0	1.24	0.31	0.004968955	0.034537188
WBGene00022420	wdr-4	16887.8	15037.5	18738.1	1.25	0.32	0.004996146	0.03466317
WBGene00007094	B0019.2	4829.5	4309.9	5349.1	1.24	0.31	0.004992475	0.03466317
WBGene00012663	hex-3	6541.0	5858.0	7224.0	1.23	0.30	0.004995249	0.03466317
WBGene00004300	ram-2	7487.9	6631.8	8344.0	1.26	0.33	0.005000294	0.034682042
WBGene00007493	npp-23	6572.5	5840.6	7304.5	1.25	0.32	0.005005364	0.034702203
WBGene00008670	eif-2Bdelta	9367.1	8387.7	10346.4	1.23	0.30	0.005036705	0.034864855
WBGene00015180	B0416.4	515.2	422.8	607.7	1.44	0.52	0.00504405	0.034905744
WBGene00077453	Y62F5A.12	2167.6	1893.4	2441.9	1.29	0.37	0.005049452	0.034933168
WBGene00011272	dtmk-1	3639.6	3187.2	4091.9	1.28	0.36	0.005058402	0.034983769
WBGene00001089	dre-1	3720.6	3316.8	4124.4	1.24	0.31	0.005068087	0.035022172
WBGene00021596	spsb-2	5419.8	4837.9	6001.8	1.24	0.31	0.005102219	0.035237971
WBGene00000223	atf-7	22962.3	20553.6	25371.0	1.23	0.30	0.005107579	0.035264958
WBGene00000491	che-12	265.8	204.7	326.9	1.60	0.68	0.005129521	0.035406382
WBGene00010568	K04G2.10	565.6	447.9	683.3	1.53	0.61	0.005139292	0.035463746
WBGene00019627	K10D2.1	9880.9	8809.7	10952.2	1.24	0.31	0.005142028	0.035472538
WBGene00007720	C25D7.10	3387.3	2979.6	3795.0	1.27	0.35	0.005145571	0.03547682
WBGene00004308	rap-2	4154.9	3693.9	4615.9	1.25	0.32	0.005145494	0.03547682
WBGene00016809	C50D2.6	282.4	231.0	333.8	1.45	0.53	0.005149951	0.035496937
WBGene00011503	gcc-2	10023.2	8989.3	11057.0	1.23	0.30	0.005182266	0.035669037
WBGene00010283	ccz-1	5699.6	5086.9	6312.2	1.24	0.31	0.005196679	0.035731894
WBGene00012868	tbc-9	10967.0	9822.1	12112.0	1.23	0.30	0.005196984	0.035731894
WBGene00004767	sel-10	20401.7	18309.6	22493.8	1.23	0.30	0.005197286	0.035731894
WBGene00014112	ZK856.11	2656.2	2338.0	2974.5	1.27	0.35	0.005223284	0.03589229
WBGene00004823	skr-17	3958.4	3503.7	4413.2	1.26	0.33	0.005229619	0.035923666
WBGene00011741	T12G3.6	7042.6	5621.1	8464.1	1.51	0.59	0.005238736	0.035976114
WBGene00013219	Y54G11A.11	4954.8	4406.3	5503.4	1.25	0.32	0.00524758	0.036026652
WBGene00000537	clk-2	5360.8	4781.6	5940.0	1.24	0.31	0.005255478	0.036070674
WBGene00010325	exos-3	3653.7	3234.8	4072.6	1.26	0.33	0.005260342	0.036087963
WBGene00022865	ufbp-1	6423.0	5707.6	7138.3	1.25	0.32	0.00528543	0.036235274
WBGene00021551	Y44E3A.6	9984.1	8932.3	11035.8	1.24	0.31	0.005289525	0.036253105
WBGene00019259	H34C03.2	41683.8	37499.5	45868.0	1.22	0.29	0.005292545	0.036263568
WBGene00016021	C23H3.5	4608.2	4110.7	5105.7	1.24	0.31	0.005311599	0.036373587
WBGene00000034	abu-11	450.0	277.5	622.4	2.24	1.17	0.005318544	0.036410879
WBGene00017992	F32E10.5	3064.4	2714.9	3413.8	1.26	0.33	0.005337491	0.036511087
WBGene00020742	T23H2.3	17828.6	16052.8	19604.4	1.22	0.29	0.005337694	0.036511087
WBGene00011367	snpc-3.4	3385.9	2992.3	3779.4	1.26	0.34	0.005355169	0.036609991
WBGene00011631	T08G11.4	7758.0	6949.2	8566.8	1.23	0.30	0.005373738	0.03671626
WBGene00012524	Y32B12B.4	9051.9	8152.8	9951.1	1.22	0.29	0.005381119	0.036756345
WBGene00018436	fbxb-11	17.9	8.5	27.4	3.23	1.69	0.005386209	0.036780765
WBGene00018399	F43H9.3	2229.4	1949.9	2509.0	1.29	0.36	0.005422933	0.036979528
WBGene00019795	M151.3	512.7	436.6	588.9	1.35	0.43	0.005437895	0.037056181
WBGene00008140	xpf-1	8303.4	7453.6	9153.2	1.23	0.30	0.005440773	0.037059543
WBGene00014036	ZK643.5	7778.3	6944.7	8612.0	1.24	0.31	0.005451022	0.037108526
WBGene00013278	Y57A10B.6	48.1	25.7	70.5	2.74	1.45	0.005457913	0.03714502
WBGene00011279	asd-1	6351.0	5691.8	7010.2	1.23	0.30	0.005472262	0.037232238
WBGene00011329	zipt-9	4665.4	4139.8	5191.0	1.25	0.33	0.005474088	0.03723423

WBGene00009176	nmat-2	1204.2	1042.5	1365.8	1.31	0.39	0.005482173	0.037268336
WBGene00018794	attf-3	6142.2	5533.4	6750.9	1.22	0.29	0.00548156	0.037268336
WBGene00009272	gras-1	6931.6	6164.1	7699.1	1.25	0.32	0.005498579	0.037358941
WBGene00017683	rbbp-5	4996.3	4456.5	5536.2	1.24	0.31	0.005522142	0.037498048
WBGene00012950	eif-2Bbeta	4108.7	3643.2	4574.1	1.26	0.33	0.005530062	0.037518884
WBGene00021628	Y47D9A.1	8990.1	7993.4	9986.8	1.25	0.32	0.005528005	0.037518884
WBGene00010259	ric-7	12246.6	11004.1	13489.1	1.23	0.29	0.005531393	0.037518884
WBGene00001743	grp-1	7665.4	6833.8	8497.0	1.24	0.31	0.005547609	0.037618369
WBGene00002031	hst-6	771.2	659.6	882.8	1.34	0.42	0.005555618	0.037651643
WBGene00006389	taf-7.2	2461.3	2197.5	2725.2	1.24	0.31	0.005554584	0.037651643
WBGene00015001	B0025.4	1706.3	1496.6	1916.0	1.28	0.36	0.005562852	0.037680243
WBGene00006474	wdr-5.1	9305.2	8346.1	10264.3	1.23	0.30	0.00558598	0.037815185
WBGene00009551	F38H4.10	1884.3	1644.7	2124.0	1.29	0.37	0.005602884	0.037879058
WBGene00020553	T19A5.1	18397.9	16555.0	20240.7	1.22	0.29	0.005602228	0.037879058
WBGene00007599	C15A11.7	1633.6	1446.1	1821.2	1.26	0.33	0.005606699	0.037892046
WBGene00016380	ntp-1	3735.1	3333.5	4136.7	1.24	0.31	0.005617795	0.037956466
WBGene00016169	C27F2.7	1975.4	1738.9	2211.9	1.27	0.35	0.005641594	0.038096058
WBGene00019651	K11D12.12	622.2	519.1	725.3	1.40	0.48	0.005649928	0.038131127
WBGene00006902	vet-6	188.4	96.8	280.0	2.89	1.53	0.005666811	0.03821716
WBGene00019924	fbxc-33	251.6	203.9	299.3	1.47	0.55	0.005667399	0.03821716
WBGene00013381	cyp-31A5	5371.6	4780.8	5962.3	1.25	0.32	0.005680448	0.038294519
WBGene00007532	C11H1.8	696.7	605.5	787.9	1.30	0.38	0.005708513	0.038462356
WBGene00001874	him-17	15005.6	13486.0	16525.1	1.23	0.29	0.005721798	0.038541165
WBGene00016824	C50E3.13	1339.7	1084.6	1594.8	1.47	0.56	0.005726099	0.03855944
WBGene00017365	F10G2.4	110.0	83.6	136.3	1.63	0.71	0.00573965	0.038639976
WBGene00018189	nhr-181	310.2	256.8	363.7	1.42	0.50	0.005755231	0.038732748
WBGene00002080	xpo-3	19465.0	17529.8	21400.2	1.22	0.29	0.005758217	0.038732748
WBGene00235256	Y54G11A.19	221.0	176.9	265.0	1.50	0.58	0.005766258	0.038745673
WBGene00007028	trr-1	14098.0	12660.7	15535.4	1.23	0.30	0.005767967	0.038745673
WBGene00002637	let-418	35379.7	31834.4	38925.0	1.22	0.29	0.005764473	0.038745673
WBGene00020463	cec-6	9008.5	8101.8	9915.2	1.22	0.29	0.005772066	0.038750742
WBGene00011914	T22C1.3	5519.4	4914.8	6124.0	1.25	0.32	0.005800258	0.038929239
WBGene00001647	gna-2	11009.4	9387.0	12631.7	1.35	0.43	0.005833392	0.039129987
WBGene00009280	F31B9.3	659.8	568.0	751.7	1.32	0.40	0.005850631	0.039234787
WBGene00004383	rnh-2	4763.3	4251.8	5274.9	1.24	0.31	0.005858632	0.03927759
WBGene00018149	F37C12.1	5461.6	4863.6	6059.5	1.25	0.32	0.00586865	0.039333891
WBGene00016014	C23G10.7	11132.8	9927.3	12338.3	1.24	0.31	0.005881492	0.039398206
WBGene00012802	set-25	1884.7	1685.9	2083.4	1.24	0.31	0.005925547	0.039671423
WBGene00012341	catp-6	21307.7	19110.5	23505.0	1.23	0.30	0.005937328	0.039728386
WBGene00007352	cdc-48.1	105182.7	94683.6	115681.8	1.22	0.29	0.005976569	0.03993592
WBGene00021012	pig-1	7721.4	6919.5	8523.2	1.23	0.30	0.00600359	0.040094402
WBGene00017605	F19F10.9	15342.9	13758.5	16927.3	1.23	0.30	0.006002824	0.040094402
WBGene00008503	F01G4.4	10270.0	9284.3	11255.8	1.21	0.28	0.006017303	0.040163884
WBGene00019264	H35B03.2	4076.4	3622.2	4530.6	1.25	0.32	0.006039548	0.040301286
WBGene00006939	wee-1.2	99.1	72.0	126.3	1.75	0.81	0.006048262	0.040348338
WBGene00017800	F25G6.9	20464.9	18396.6	22533.2	1.22	0.29	0.006083787	0.0405519
WBGene00018239	sec-20	1851.9	1639.8	2064.0	1.26	0.33	0.006100317	0.040632337
WBGene00015147	B0336.7	2431.2	2161.2	2701.3	1.25	0.32	0.006100876	0.040632337
WBGene00015922	C17H11.2	2115.4	1878.0	2352.9	1.25	0.33	0.006116701	0.040693143
WBGene00013695	epg-8	5038.9	4484.3	5593.5	1.25	0.32	0.00611963	0.040693143
WBGene00008774	F13H10.3	8595.2	7713.3	9477.0	1.23	0.30	0.006120064	0.040693143

WBGene00018625	prp-17	11128.3	9977.3	12279.2	1.23	0.30	0.006128333	0.040725817
WBGene00021749	Y50D4C.5	5202.6	4671.6	5733.6	1.23	0.30	0.006140435	0.040783914
WBGene00021546	laat-1	6411.9	5734.0	7089.8	1.24	0.31	0.006149083	0.040830183
WBGene00022718	ZK370.4	26251.9	23535.6	28968.2	1.23	0.30	0.006158347	0.040876161
WBGene00016494	C37A2.8	7116.2	6319.3	7913.2	1.25	0.32	0.006168504	0.040925556
WBGene00014020	ZK632.14	1892.6	1668.2	2117.1	1.27	0.34	0.006192709	0.041074921
WBGene00008410	D2023.6	8655.6	7761.6	9549.7	1.23	0.30	0.006200108	0.041112764
WBGene00010759	cysl-2	2148.5	1829.1	2467.9	1.35	0.43	0.006203874	0.041126497
WBGene00013578	scav-2	8198.5	7359.0	9037.9	1.23	0.30	0.006259055	0.041469658
WBGene00004889	smp-1	4828.4	4342.5	5314.3	1.22	0.29	0.006273141	0.041540309
WBGene00008755	sdz-13	9.2	1.2	17.3	14.72	3.88	0.006275715	0.041546023
WBGene00011720	T11G6.5	17350.0	15644.1	19055.8	1.22	0.28	0.006296842	0.041674516
WBGene00015017	B0205.1	8162.4	7344.2	8980.7	1.22	0.29	0.006311675	0.041761304
WBGene00004181	pri-2	7474.2	6412.7	8535.6	1.33	0.41	0.006320315	0.041807077
WBGene00000988	dhs-25	17111.0	14578.9	19643.2	1.35	0.43	0.006362206	0.042049797
WBGene00011216	usp-46	3502.2	3009.9	3994.5	1.33	0.41	0.006375616	0.042126964
WBGene00019817	R02C2.6	27.4	16.0	38.9	2.43	1.28	0.006394429	0.042239773
WBGene00013552	gmn-1	4443.1	3895.3	4990.9	1.28	0.36	0.006402013	0.042278368
WBGene00001997	hpr-9	2579.3	2302.3	2856.2	1.24	0.31	0.006405929	0.042289166
WBGene00010427	hpo-11	12439.8	11212.4	13667.2	1.22	0.29	0.006452235	0.042563712
WBGene00000903	daf-7	400.8	334.9	466.7	1.39	0.48	0.006482821	0.042742247
WBGene00008197	C49C3.7	4923.0	4399.4	5446.6	1.24	0.31	0.006493835	0.042802841
WBGene00022817	upp-1	8354.5	7490.7	9218.3	1.23	0.30	0.00649622	0.042802841
WBGene00009920	abts-1	16779.7	15052.3	18507.1	1.23	0.30	0.006497301	0.042802841
WBGene00002018	hsp-16.41	210.4	77.6	343.2	4.42	2.14	0.006499684	0.042806924
WBGene00009318	F32B4.8	35.6	20.3	50.9	2.51	1.33	0.006514382	0.042880457
WBGene00020462	T12E12.1	7032.7	6294.3	7771.0	1.23	0.30	0.006520666	0.042886936
WBGene00012128	nra-1	9569.4	8608.6	10530.2	1.22	0.29	0.006517375	0.042886936
WBGene00006618	trt-1	3573.1	3190.7	3955.4	1.24	0.31	0.006552975	0.043064435
WBGene00015347	cids-1	5242.2	4689.1	5795.3	1.24	0.31	0.006552749	0.043064435
WBGene00003870	ooc-5	8188.8	7320.0	9057.5	1.24	0.31	0.006564021	0.043113682
WBGene00009145	F26A3.7	2598.4	2304.9	2891.8	1.25	0.33	0.006632359	0.043503684
WBGene00015308	ddi-1	8617.6	7732.0	9503.3	1.23	0.30	0.006680805	0.043800369
WBGene00006379	sys-1	3948.0	3551.4	4344.6	1.22	0.29	0.006684716	0.043800369
WBGene00003656	nhr-66	8053.9	7251.1	8856.8	1.22	0.29	0.006684807	0.043800369
WBGene00018828	sdz-21	71.5	48.9	94.0	1.92	0.94	0.006687568	0.043806636
WBGene00009103	rtfo-1	19218.2	17259.9	21176.5	1.23	0.30	0.00669527	0.043845261
WBGene00003034	lin-49	10778.4	9710.9	11845.9	1.22	0.29	0.006699265	0.043859588
WBGene00021634	rde-10	3548.9	3174.6	3923.2	1.24	0.31	0.006749981	0.044155901
WBGene00018954	F56C9.11	2972.7	2642.4	3303.0	1.25	0.32	0.00677295	0.044270366
WBGene00015642	C09E7.8	5600.4	5013.8	6187.0	1.23	0.30	0.006772149	0.044270366
WBGene00017828	F26F4.6	3413.7	3029.6	3797.9	1.25	0.33	0.006779481	0.044301126
WBGene00004367	ric-8	4071.5	3654.4	4488.6	1.23	0.30	0.006798462	0.044386449
WBGene00000994	dic-1	7106.0	6378.2	7833.8	1.23	0.30	0.006798492	0.044386449
WBGene00016811	C50D2.8	3478.8	3131.4	3826.1	1.22	0.29	0.006799852	0.044386449
WBGene00007234	C01G10.7	3122.5	2770.3	3474.7	1.25	0.33	0.006809231	0.044423782
WBGene00022603	gck-2	10979.5	9856.4	12102.7	1.23	0.30	0.006817338	0.044452778
WBGene00004756	sec-24.2	16500.9	14860.9	18140.9	1.22	0.29	0.006816662	0.044452778
WBGene00001046	dnj-28	3580.0	3183.8	3976.2	1.25	0.32	0.006832881	0.044542167
WBGene00015245	B0524.6	3016.9	2720.8	3313.1	1.22	0.28	0.006835779	0.044549095
WBGene00003800	npp-14	33960.9	30669.8	37252.0	1.21	0.28	0.006855201	0.044639708

WBGene00006988	zyg-1	6313.6	5629.0	6998.2	1.24	0.31	0.006863861	0.044672141
WBGene00012220	W03C9.2	6589.4	5920.6	7258.3	1.23	0.29	0.006889864	0.044829361
WBGene00007030	epc-1	11529.7	10422.7	12636.8	1.21	0.28	0.006905763	0.044920769
WBGene00044891	T07C4.12	831.5	689.7	973.3	1.41	0.50	0.00692165	0.04500309
WBGene00008537	F02H6.4	848.1	737.3	958.8	1.30	0.38	0.006922126	0.04500309
WBGene00008959	F19H6.4	1839.0	1620.1	2058.0	1.27	0.35	0.006956673	0.045191379
WBGene00006933	vps-35	17351.1	15582.2	19120.1	1.23	0.30	0.006988814	0.045327395
WBGene00011282	R74.8	20276.0	18222.0	22330.1	1.23	0.29	0.007005849	0.045425747
WBGene00009588	F40F11.3	1678.1	1472.8	1883.3	1.28	0.35	0.007027635	0.045554837
WBGene00006504	kcc-1	13657.2	12271.1	15043.4	1.23	0.29	0.007039419	0.045619044
WBGene00015474	C05D9.7	417.3	349.0	485.6	1.39	0.48	0.007055127	0.045683742
WBGene00004769	sel-12	1192.1	1040.3	1343.8	1.29	0.37	0.007058603	0.045683742
WBGene00022812	uvs-1	4014.7	3579.5	4450.0	1.24	0.31	0.007055172	0.045683742
WBGene00008991	F20G4.2	2086.5	1868.4	2304.6	1.23	0.30	0.007057369	0.045683742
WBGene00004042	plk-1	33708.9	30405.6	37012.2	1.22	0.28	0.007058812	0.045683742
WBGene00220010	K07G5.7	538.1	457.8	618.4	1.35	0.43	0.007062624	0.045694541
WBGene00009245	rict-1	10292.9	9276.8	11309.1	1.22	0.29	0.007072056	0.045721217
WBGene00015581	C07H6.4	13566.0	12197.6	14934.4	1.22	0.29	0.007075576	0.045731277
WBGene00019230	ttll-11	71.2	48.7	93.7	1.92	0.94	0.007087058	0.045744594
WBGene00004681	rsd-2	17055.9	15390.4	18721.4	1.22	0.28	0.007091008	0.045757925
WBGene00007114	mttu-1	652.3	565.2	739.3	1.31	0.39	0.007094337	0.045761787
WBGene00008877	rtcb-1	4768.2	4246.0	5290.3	1.25	0.32	0.007096127	0.045761787
WBGene00000001	aap-1	7299.8	6558.0	8041.7	1.23	0.29	0.007097262	0.045761787
WBGene00022800	ZK688.5	19519.9	17640.4	21399.4	1.21	0.28	0.007102868	0.045785776
WBGene00015524	C06E1.9	5196.0	4659.1	5733.0	1.23	0.30	0.007129465	0.045945018
WBGene00008824	F14H3.5	743.4	641.1	845.7	1.32	0.40	0.007134564	0.045965679
WBGene00003801	npp-15	15034.9	13498.3	16571.6	1.23	0.30	0.007145422	0.046023418
WBGene00004166	pqn-85	24447.3	22065.8	26828.7	1.22	0.28	0.007160865	0.046098423
WBGene00013658	Y105C5B.19	942.6	823.6	1061.6	1.29	0.37	0.007210635	0.046345081
WBGene00018409	F44B9.8	9457.8	8477.5	10438.1	1.23	0.30	0.007215619	0.046364843
WBGene00007387	jmjd-5	2897.6	2563.0	3232.3	1.26	0.33	0.007229233	0.046427742
WBGene00022235	sqd-1	98541.2	89703.5	107378.9	1.20	0.26	0.007237325	0.04646742
WBGene00001864	him-5	1415.6	1245.4	1585.7	1.27	0.35	0.007242031	0.046485334
WBGene00012769	hrpu-1	29665.0	26855.0	32475.0	1.21	0.27	0.007268495	0.046630547
WBGene00011061	wago-1	99161.9	89645.0	108678.8	1.21	0.28	0.00728119	0.046699651
WBGene00009374	F34D10.4	10320.0	9356.6	11283.3	1.21	0.27	0.00728709	0.046725145
WBGene00010767	blos-9	1262.1	1053.9	1470.3	1.40	0.48	0.007312995	0.04685412
WBGene00000099	air-2	5781.4	5166.4	6396.4	1.24	0.31	0.007317967	0.046873604
WBGene00000289	cam-1	6939.0	6222.2	7655.7	1.23	0.30	0.007328671	0.046917411
WBGene00017165	F01F1.11	5531.0	4925.4	6136.6	1.25	0.32	0.007343203	0.046985664
WBGene00021238	gap-3	4064.5	3665.7	4463.3	1.22	0.28	0.007341825	0.046985664
WBGene00022832	pdp-1	10083.7	9071.4	11096.0	1.22	0.29	0.007354583	0.047046075
WBGene00001872	him-14	3770.9	3359.9	4181.9	1.24	0.32	0.007427491	0.047456945
WBGene00020933	W02D3.4	7080.5	6329.2	7831.8	1.24	0.31	0.007428588	0.047456945
WBGene00007010	alx-1	14619.7	13151.7	16087.7	1.22	0.29	0.007436282	0.047481111
WBGene00006376	syp-2	3779.6	3364.3	4194.9	1.25	0.32	0.007452519	0.047552474
WBGene00019087	F59A6.5	14415.9	12989.9	15841.9	1.22	0.29	0.007455268	0.047552474
WBGene00003705	nhr-115	410.6	322.6	498.5	1.54	0.63	0.007471113	0.047605816
WBGene00007110	leo-1	9323.5	8365.7	10281.3	1.23	0.30	0.007467795	0.047605816
WBGene00019041	fbxc-22	4.4	0.6	8.2	13.50	3.75	0.007482762	0.047665055
WBGene00017269	F08F8.4	5527.7	4949.6	6105.9	1.23	0.30	0.007500505	0.047753017

WBGene00013122	impt-1	1708.3	1515.6	1901.1	1.25	0.33	0.007525517	0.047849517
WBGene00022620	rde-8	3746.8	3337.2	4156.5	1.25	0.32	0.007563019	0.048025069
WBGene00018509	xrep-4	9877.5	8870.0	10885.1	1.23	0.30	0.007559122	0.048025069
WBGene00011408	T04A8.6	11282.7	10241.5	12323.9	1.20	0.27	0.007558615	0.048025069
WBGene00016803	bath-42	19996.8	18002.9	21990.7	1.22	0.29	0.00757339	0.048078353
WBGene00013030	Y49E10.4	5044.1	4462.7	5625.4	1.26	0.33	0.007585714	0.048136107
WBGene00013202	Y54E5A.7	4552.4	4072.5	5032.2	1.24	0.31	0.007586454	0.048136107
WBGene00022124	supr-1	2971.2	2656.5	3285.8	1.24	0.31	0.007602004	0.048209576
WBGene00004297	rad-51	7699.8	6923.3	8476.4	1.22	0.29	0.007649299	0.048471515
WBGene00009284	F31C3.2	10799.3	9755.3	11843.4	1.21	0.28	0.007679541	0.048637759
WBGene00008362	cfim-2	10735.0	9663.3	11806.7	1.22	0.29	0.007683143	0.048647879
WBGene00011067	vps-11	5500.7	4924.4	6077.0	1.23	0.30	0.007702811	0.048746988
WBGene00010495	K02B12.2	43.7	28.1	59.3	2.11	1.08	0.007749416	0.049003601
WBGene00009188	lsy-22	7937.5	7188.1	8686.8	1.21	0.27	0.007785417	0.049218431
WBGene00007780	C27D8.4	3339.6	2967.8	3711.3	1.25	0.32	0.007802295	0.049312292
WBGene00007627	ccdc-55	5654.5	5076.5	6232.6	1.23	0.30	0.007814093	0.049374005
WBGene00008965	mltn-10	890.2	678.9	1101.4	1.62	0.70	0.007826655	0.049414791
WBGene00016323	C32E8.5	5029.6	4389.0	5670.3	1.29	0.37	0.00785082	0.049554476
WBGene00003218	mep-1	26521.5	24086.8	28956.1	1.20	0.27	0.007857962	0.049586659
WBGene00003777	nmy-2	81464.7	73536.0	89393.4	1.22	0.28	0.007861972	0.049599073
WBGene00015610	C08F1.6	30.6	8.3	52.9	6.35	2.67	0.007871559	0.049639478
WBGene00000796	crn-3	15935.4	14339.2	17531.5	1.22	0.29	0.007917755	0.049834435
WBGene00001041	dnj-23	7099.8	6351.0	7848.6	1.24	0.31	0.007927713	0.04988418
WBGene00012111	T28A8.5	1871.1	1658.6	2083.6	1.26	0.33	0.00793398	0.049910677

Table S2B. Genes downregulated in *ttr-1(ok2250)* mutants compared to wildtype.

WormBase Gene ID	Public Name	baseMean	baseMeanA	baseMeanB	FC	log2FC	pval	padj
WBGene00010541	ttr-1	341.6	651.9	31.3	0.05	-4.38	7.01E-131	1.70E-126
WBGene00014955	Y102A5C.6	2894.0	4784.3	1003.7	0.21	-2.25	3.80E-75	4.61E-71
WBGene00014954	Y102A5C.5	1765.9	2932.6	599.3	0.20	-2.29	6.07E-68	4.91E-64
WBGene00010540	K03H1.5	1453.4	2421.7	485.0	0.20	-2.32	4.93E-60	2.99E-56
WBGene00044213	Y102A5C.36	479.7	809.5	149.9	0.19	-2.43	2.72E-46	1.32E-42
WBGene00007048	nfx-1	15175.5	22735.5	7615.6	0.33	-1.58	4.86E-46	1.97E-42
WBGene00006050	ssq-1	9422.4	13493.0	5351.9	0.40	-1.33	2.66E-31	9.22E-28
WBGene00017717	F22F4.4	3601.9	5416.6	1787.2	0.33	-1.60	7.25E-28	1.95E-24
WBGene00017975	F32B5.1	1149.8	1727.9	571.6	0.33	-1.60	7.19E-28	1.95E-24
WBGene00006053	ssq-4	14032.8	20046.8	8018.8	0.40	-1.32	1.58E-26	3.83E-23
WBGene00013785	nep-23	296.8	481.5	112.2	0.23	-2.10	4.96E-23	1.03E-19
WBGene00018783	cbs-2	473.1	734.5	211.7	0.29	-1.79	5.11E-23	1.03E-19
WBGene00021288	clec-123	1898.4	2859.0	937.7	0.33	-1.61	1.14E-22	2.13E-19
WBGene00011467	decr-1.3	484.8	747.8	221.8	0.30	-1.75	4.88E-22	8.46E-19
WBGene00022621	ZC477.7	1505.5	2178.4	832.5	0.38	-1.39	6.21E-22	1.01E-18
WBGene00001446	flp-3	553.4	823.5	283.4	0.34	-1.54	7.73E-22	1.17E-18
WBGene00020414	T10E9.4	6815.5	10075.2	3555.9	0.35	-1.50	2.10E-21	2.99E-18
WBGene00010719	K09E4.1	1746.8	2523.3	970.2	0.38	-1.38	3.80E-21	5.13E-18
WBGene00007354	C06A1.3	1175.1	1787.2	563.0	0.32	-1.67	6.89E-21	8.80E-18
WBGene00012937	Y47D3A.31	820.4	1193.6	447.1	0.37	-1.42	8.77E-21	1.03E-17
WBGene00008724	F13A7.1	2008.9	2918.1	1099.7	0.38	-1.41	8.95E-21	1.03E-17
WBGene00018926	F56A11.6	1223.5	1823.9	623.2	0.34	-1.55	9.88E-21	1.09E-17
WBGene00022732	ZK418.2	539.9	827.2	252.7	0.31	-1.71	1.15E-20	1.21E-17
WBGene00006051	ssq-2	11775.2	16563.1	6987.4	0.42	-1.25	1.78E-20	1.80E-17
WBGene00018575	clec-119	692.7	1087.4	298.0	0.27	-1.87	1.87E-20	1.82E-17
WBGene00010612	K07A1.5	820.1	1192.3	447.9	0.38	-1.41	3.06E-20	2.86E-17
WBGene00012926	Y47D3A.13	1018.7	1471.6	565.7	0.38	-1.38	4.98E-20	4.47E-17
WBGene00012169	W01B6.2	1502.2	2163.2	841.1	0.39	-1.36	5.34E-20	4.63E-17
WBGene00017550	nep-6	462.7	703.7	221.7	0.32	-1.67	5.56E-20	4.66E-17
WBGene00016825	C50E10.1	1308.7	1995.6	621.7	0.31	-1.68	7.30E-20	5.91E-17
WBGene00018135	F37A4.5	888.5	1349.2	427.8	0.32	-1.66	8.41E-20	6.59E-17
WBGene00020840	spch-3	3881.9	5318.6	2445.1	0.46	-1.12	1.18E-19	8.97E-17
WBGene00007791	C28A5.6	2137.1	2999.8	1274.4	0.42	-1.24	2.03E-19	1.49E-16
WBGene00001603	gln-2	3225.5	4684.7	1766.3	0.38	-1.41	2.36E-19	1.68E-16
WBGene00010114	F55D12.6	581.9	858.0	305.8	0.36	-1.49	2.64E-19	1.83E-16
WBGene00010373	H08M01.1	616.7	911.6	321.8	0.35	-1.50	2.86E-19	1.93E-16
WBGene00022079	Y69A2AR.8	553.6	878.2	229.1	0.26	-1.94	6.26E-19	4.11E-16
WBGene00022705	ZK354.2	1826.0	2636.5	1015.6	0.39	-1.38	7.71E-19	4.92E-16
WBGene00010829	M02B1.4	745.7	1078.8	412.6	0.38	-1.39	8.14E-19	5.07E-16
WBGene00012379	Y1A5A.1	289.9	494.8	85.0	0.17	-2.54	1.14E-18	6.92E-16
WBGene00001451	flp-8	508.2	766.8	249.5	0.33	-1.62	1.33E-18	7.86E-16
WBGene00015855	C16C8.18	697.1	1036.0	358.3	0.35	-1.53	1.47E-18	8.48E-16
WBGene00011172	R09E10.2	861.2	1263.8	458.7	0.36	-1.46	1.58E-18	8.91E-16
WBGene00008912	F17C8.7	1167.7	1672.2	663.2	0.40	-1.33	2.34E-18	1.29E-15
WBGene00016286	C31H1.1	399.6	638.6	160.7	0.25	-1.99	3.54E-18	1.91E-15
WBGene00009308	F32A11.3	3968.3	6013.9	1922.7	0.32	-1.65	4.13E-18	2.18E-15
WBGene00022751	msrp-2	5253.1	7639.7	2866.6	0.38	-1.41	4.21E-18	2.18E-15
WBGene00014996	ZK1251.5	211.7	354.4	69.0	0.19	-2.36	4.92E-18	2.49E-15
WBGene00020140	ant-1.4	895.8	1414.9	376.7	0.27	-1.91	1.01E-17	5.00E-15
WBGene00012605	Y38F1A.1	1065.0	1486.6	643.5	0.43	-1.21	1.03E-17	5.01E-15
WBGene00008487	F01D4.3	160.0	272.8	47.2	0.17	-2.53	1.08E-17	5.12E-15
WBGene00013290	Y57G11A.2	6951.1	10316.3	3586.0	0.35	-1.52	1.23E-17	5.75E-15
WBGene00016053	C24D10.1	820.0	1226.9	413.1	0.34	-1.57	1.39E-17	6.38E-15
WBGene00012809	Y43F8A.2	2892.1	4235.2	1549.0	0.37	-1.45	1.59E-17	7.15E-15
WBGene00008743	F13D12.9	1221.8	1785.6	657.9	0.37	-1.44	1.71E-17	7.55E-15
WBGene00015634	C09D4.3	1016.4	1540.3	492.5	0.32	-1.64	2.12E-17	9.17E-15
WBGene00010485	ant-1.3	1299.2	2021.5	576.9	0.29	-1.81	2.51E-17	1.06E-14
WBGene00020353	T08B6.4	3799.4	5659.8	1939.0	0.34	-1.55	2.58E-17	1.06E-14
WBGene00010212	fbxa-192	1364.1	1874.6	853.6	0.46	-1.14	2.52E-17	1.06E-14
WBGene00015820	C16A11.7	864.9	1226.2	503.7	0.41	-1.28	2.81E-17	1.14E-14
WBGene00010035	F54C8.1	984.2	1377.6	590.8	0.43	-1.22	3.10E-17	1.23E-14
WBGene00008661	F10G8.1	486.1	721.7	250.5	0.35	-1.53	3.61E-17	1.41E-14

WBGene00013158	Y53F4B.11	440.4	707.9	172.8	0.24	-2.03	3.86E-17	1.49E-14
WBGene00009321	F32B6.4	1349.9	1994.6	705.2	0.35	-1.50	6.28E-17	2.38E-14
WBGene00012115	T28B8.4	1160.2	1611.6	708.7	0.44	-1.19	6.68E-17	2.49E-14
WBGene00013473	Y69E1A.1	5309.1	7607.4	3010.8	0.40	-1.34	7.62E-17	2.80E-14
WBGene00007307	spch-1	5657.3	8167.4	3147.3	0.39	-1.38	7.77E-17	2.82E-14
WBGene00010920	M117.4	540.3	794.7	286.0	0.36	-1.47	9.03E-17	3.18E-14
WBGene00009682	msd-2	4811.4	6879.5	2743.3	0.40	-1.33	8.98E-17	3.18E-14
WBGene00017325	F10C1.3	218.0	348.5	87.5	0.25	-1.99	1.01E-16	3.51E-14
WBGene00006052	ssq-3	4644.3	6783.1	2505.5	0.37	-1.44	1.08E-16	3.69E-14
WBGene00007082	acs-10	1708.8	2430.5	987.1	0.41	-1.30	1.40E-16	4.66E-14
WBGene00011493	T05F1.8	1159.3	1650.3	668.2	0.40	-1.30	1.63E-16	5.35E-14
WBGene00021358	Y37E11AL.2	542.8	790.1	295.5	0.37	-1.42	1.68E-16	5.37E-14
WBGene00015917	C17G10.3	559.4	811.8	307.0	0.38	-1.40	1.68E-16	5.37E-14
WBGene00012357	W09D6.4	715.6	1011.1	420.0	0.42	-1.27	2.26E-16	7.12E-14
WBGene00001487	frk-1	646.7	922.5	371.0	0.40	-1.31	2.43E-16	7.55E-14
WBGene00019531	scrm-5	762.0	1136.9	387.1	0.34	-1.55	3.43E-16	1.05E-13
WBGene00004972	spe-26	1095.4	1548.7	642.0	0.41	-1.27	3.76E-16	1.14E-13
WBGene00014239	ZK1225.5	314.1	501.4	126.7	0.25	-1.98	4.32E-16	1.26E-13
WBGene00011795	T16A9.5	3854.6	5576.4	2132.8	0.38	-1.39	4.30E-16	1.26E-13
WBGene00016512	C38C3.3	1245.5	1760.0	731.0	0.42	-1.27	4.23E-16	1.26E-13
WBGene00016312	C32D5.4	501.7	727.9	275.4	0.38	-1.40	4.45E-16	1.28E-13
WBGene00009143	F26A3.5	750.9	1144.8	356.9	0.31	-1.68	4.65E-16	1.31E-13
WBGene00020053	R13A5.11	453.6	666.8	240.4	0.36	-1.47	4.64E-16	1.31E-13
WBGene00019026	F58A6.9	1648.9	2513.4	784.5	0.31	-1.68	5.50E-16	1.53E-13
WBGene00006048	ssp-31	952.1	1343.3	560.9	0.42	-1.26	5.82E-16	1.60E-13
WBGene00011617	T08G3.4	418.4	690.8	146.1	0.21	-2.24	7.82E-16	2.13E-13
WBGene00019642	K11C4.1	687.2	1036.6	337.8	0.33	-1.62	8.05E-16	2.17E-13
WBGene00022634	ZC581.7	514.6	745.2	284.0	0.38	-1.39	1.01E-15	2.69E-13
WBGene00021639	Y47G6A.13	508.6	746.4	270.9	0.36	-1.46	1.12E-15	2.96E-13
WBGene00020105	R148.7	1125.7	1554.1	697.2	0.45	-1.16	1.26E-15	3.29E-13
WBGene00003443	msp-50	5180.9	7388.0	2973.7	0.40	-1.31	1.74E-15	4.48E-13
WBGene00010900	M28.9	2625.1	3713.9	1536.4	0.41	-1.27	1.76E-15	4.50E-13
WBGene00018548	clec-79	2031.2	2962.8	1099.6	0.37	-1.43	1.85E-15	4.68E-13
WBGene00013474	Y69E1A.2	7659.6	10986.5	4332.7	0.39	-1.34	1.94E-15	4.84E-13
WBGene00013771	Y113G7C.1	3679.8	5413.6	1946.1	0.36	-1.48	2.17E-15	5.35E-13
WBGene00004958	spe-4	818.6	1184.7	452.6	0.38	-1.39	2.18E-15	5.35E-13
WBGene00008498	F01D5.8	977.5	1344.6	610.5	0.45	-1.14	2.47E-15	6.00E-13
WBGene00013684	Y105E8A.27	780.8	1147.7	413.8	0.36	-1.47	2.69E-15	6.47E-13
WBGene00011968	T23G11.1	2889.4	4211.7	1567.0	0.37	-1.43	2.96E-15	7.03E-13
WBGene00008590	F08H9.2	3832.9	5450.9	2215.0	0.41	-1.30	3.12E-15	7.34E-13
WBGene00016843	C50F7.3	384.8	586.2	183.4	0.31	-1.68	3.41E-15	7.96E-13
WBGene00022090	Y69A2AR.19	3850.2	5597.0	2103.3	0.38	-1.41	3.99E-15	9.24E-13
WBGene00016382	C33H5.16	306.6	466.3	146.8	0.31	-1.67	4.14E-15	9.45E-13
WBGene00010082	F55A11.11	837.6	1186.6	488.7	0.41	-1.28	4.16E-15	9.45E-13
WBGene00021381	Y37E11B.10	2411.7	3390.5	1432.9	0.42	-1.24	4.41E-15	9.91E-13
WBGene00020914	sulp-6	673.2	943.6	402.9	0.43	-1.23	4.47E-15	9.97E-13
WBGene00015689	spch-2	717.9	1027.8	408.0	0.40	-1.33	4.81E-15	1.06E-12
WBGene00007274	C03C11.1	725.0	1065.5	384.6	0.36	-1.47	5.57E-15	1.22E-12
WBGene00003469	msp-142	3214.3	4697.1	1731.5	0.37	-1.44	5.68E-15	1.23E-12
WBGene00015094	B0261.6	1714.7	2446.3	983.1	0.40	-1.32	7.07E-15	1.52E-12
WBGene00017279	F09C12.8	765.4	1157.5	373.3	0.32	-1.63	7.42E-15	1.58E-12
WBGene00014240	htas-1	981.0	1340.8	621.3	0.46	-1.11	7.81E-15	1.65E-12
WBGene00007457	C08F11.10	786.2	1154.4	417.9	0.36	-1.47	8.37E-15	1.75E-12
WBGene00001459	flp-16	531.6	754.7	308.6	0.41	-1.29	9.98E-15	2.07E-12
WBGene00006409	hdl-2	635.6	896.2	375.0	0.42	-1.26	1.04E-14	2.13E-12
WBGene00020841	T27A3.5	940.4	1493.1	387.6	0.26	-1.95	1.09E-14	2.22E-12
WBGene00008659	clec-151	943.3	1416.5	470.0	0.33	-1.59	1.30E-14	2.60E-12
WBGene00007337	C05C12.5	1010.8	1425.3	596.3	0.42	-1.26	1.30E-14	2.60E-12
WBGene00007308	C04G2.9	13722.2	19211.0	8233.3	0.43	-1.22	1.49E-14	2.97E-12
WBGene00011260	cnnm-5	182.0	291.9	72.1	0.25	-2.02	1.84E-14	3.64E-12
WBGene00019425	K06A1.2	228.7	371.6	85.8	0.23	-2.11	1.99E-14	3.89E-12
WBGene00019151	pck-3	1126.2	1621.5	630.9	0.39	-1.36	2.03E-14	3.93E-12
WBGene00015516	C06A8.6	1174.7	1744.7	604.7	0.35	-1.53	2.43E-14	4.69E-12
WBGene00009753	scrm-6	384.5	579.0	190.0	0.33	-1.61	2.53E-14	4.83E-12
WBGene00007209	BE10.1	596.0	838.8	353.1	0.42	-1.25	2.62E-14	4.98E-12

WBGene00008654	F10F2.2	7669.3	9862.4	5476.2	0.56	-0.85	2.74E-14	5.15E-12
WBGene00003457	msp-64	6096.5	8994.1	3199.0	0.36	-1.49	2.77E-14	5.17E-12
WBGene00021579	clec-73	2602.8	3831.3	1374.3	0.36	-1.48	2.99E-14	5.53E-12
WBGene00012781	nspd-7	1604.8	2522.5	687.0	0.27	-1.88	3.51E-14	6.45E-12
WBGene00021471	Y39G10AR.15	389.0	570.4	207.6	0.36	-1.46	3.58E-14	6.53E-12
WBGene00044388	C27D6.11	762.0	1086.9	437.1	0.40	-1.31	3.97E-14	7.19E-12
WBGene00007190	rmd-3	3821.6	5294.2	2349.0	0.44	-1.17	4.79E-14	8.61E-12
WBGene00021787	Y51H7C.9	774.3	1070.1	478.5	0.45	-1.16	4.89E-14	8.74E-12
WBGene00020117	R155.3	528.0	799.4	256.7	0.32	-1.64	5.07E-14	8.99E-12
WBGene00011120	R07E5.15	1886.2	2774.3	998.0	0.36	-1.47	5.42E-14	9.47E-12
WBGene00020992	W03F8.2	517.8	731.6	304.0	0.42	-1.27	5.40E-14	9.47E-12
WBGene00007688	C18E9.8	705.3	1162.8	247.9	0.21	-2.23	5.73E-14	9.94E-12
WBGene00011379	T02E1.7	501.4	757.3	245.4	0.32	-1.63	5.86E-14	1.01E-11
WBGene00017802	F26A1.3	481.4	686.1	276.7	0.40	-1.31	6.28E-14	1.07E-11
WBGene00017059	msrp-5	807.0	1193.3	420.7	0.35	-1.50	6.41E-14	1.09E-11
WBGene00007248	catp-4	5337.7	7735.9	2939.5	0.38	-1.40	6.54E-14	1.10E-11
WBGene00010651	K08C9.2	2159.9	3043.0	1276.8	0.42	-1.25	6.66E-14	1.12E-11
WBGene00022849	acs-6	1386.0	1845.1	926.8	0.50	-0.99	6.91E-14	1.15E-11
WBGene00016491	acdh-5	859.7	1244.0	475.3	0.38	-1.39	7.23E-14	1.19E-11
WBGene00009313	F32B4.2	471.2	706.1	236.2	0.33	-1.58	7.53E-14	1.23E-11
WBGene00013033	Y49E10.10	1049.5	1520.5	578.5	0.38	-1.39	7.76E-14	1.26E-11
WBGene00009377	F34D10.8	783.0	1099.0	467.0	0.42	-1.23	9.56E-14	1.55E-11
WBGene00021113	gsp-3	3927.2	5828.1	2026.4	0.35	-1.52	1.12E-13	1.78E-11
WBGene00008529	F02E9.3	1021.2	1412.9	629.6	0.45	-1.17	1.11E-13	1.78E-11
WBGene00011466	T05C12.1	896.4	1303.1	489.7	0.38	-1.41	1.30E-13	2.07E-11
WBGene00015051	B0218.7	2141.6	3058.8	1224.3	0.40	-1.32	1.36E-13	2.14E-11
WBGene00014197	ZK1053.2	1463.0	2113.2	812.8	0.38	-1.38	1.43E-13	2.24E-11
WBGene00022760	ZK546.3	195.5	323.6	67.5	0.21	-2.26	1.45E-13	2.26E-11
WBGene00016742	C48B6.4	948.3	1291.0	605.7	0.47	-1.09	1.47E-13	2.26E-11
WBGene00009959	F53B6.4	5340.5	7106.2	3574.8	0.50	-0.99	1.47E-13	2.26E-11
WBGene00007986	C36F7.5	297.1	442.5	151.7	0.34	-1.54	1.69E-13	2.59E-11
WBGene00009846	F48F5.2	652.5	994.8	310.2	0.31	-1.68	1.76E-13	2.67E-11
WBGene00004976	spe-41	1752.6	2332.9	1172.4	0.50	-0.99	1.78E-13	2.69E-11
WBGene00009079	F23B12.1	269.1	408.1	130.0	0.32	-1.65	2.10E-13	3.14E-11
WBGene00009115	F25F2.1	1028.3	1432.9	623.8	0.44	-1.20	2.28E-13	3.39E-11
WBGene00016462	C35E7.10	1073.0	1586.0	560.0	0.35	-1.50	2.35E-13	3.47E-11
WBGene00018004	F33D11.7	573.4	846.2	300.6	0.36	-1.49	2.53E-13	3.73E-11
WBGene00044005	F37C12.18	549.6	768.8	330.4	0.43	-1.22	2.62E-13	3.84E-11
WBGene00012087	T27E7.1	3031.2	4297.8	1764.6	0.41	-1.28	2.90E-13	4.21E-11
WBGene00014082	ZK795.2	1063.3	1473.5	653.1	0.44	-1.17	2.91E-13	4.21E-11
WBGene00011491	T05F1.5	1726.9	2546.4	907.5	0.36	-1.49	2.95E-13	4.24E-11
WBGene00010728	K09G1.2	304.5	449.1	159.9	0.36	-1.49	3.05E-13	4.36E-11
WBGene00019488	K07D4.9	242.9	357.5	128.3	0.36	-1.48	3.36E-13	4.74E-11
WBGene00018336	F42A9.7	945.5	1379.8	511.2	0.37	-1.43	3.51E-13	4.92E-11
WBGene00014665	C04G2.3	994.5	1590.0	399.0	0.25	-1.99	3.58E-13	4.99E-11
WBGene00022085	Y69A2AR.14	312.4	466.9	157.8	0.34	-1.56	3.88E-13	5.38E-11
WBGene00004969	spe-15	7633.4	9985.7	5281.2	0.53	-0.92	4.51E-13	6.22E-11
WBGene00016010	C23G10.1	302.1	446.0	158.1	0.35	-1.50	4.72E-13	6.47E-11
WBGene00013723	Y106G6H.13	1906.5	2656.3	1156.6	0.44	-1.20	5.21E-13	7.10E-11
WBGene00015931	C17H12.5	1080.6	1528.4	632.7	0.41	-1.27	5.93E-13	8.05E-11
WBGene00019406	acdh-8	3188.1	4525.0	1851.1	0.41	-1.29	6.01E-13	8.10E-11
WBGene00009714	F44G4.5	442.1	630.0	254.1	0.40	-1.31	6.17E-13	8.27E-11
WBGene00014007	ZK596.2	741.1	1045.9	436.3	0.42	-1.26	6.45E-13	8.60E-11
WBGene00021398	Y38C1AA.7	7166.3	9814.3	4518.4	0.46	-1.12	6.54E-13	8.67E-11
WBGene00010933	M162.7	812.5	1115.9	509.0	0.46	-1.13	6.70E-13	8.84E-11
WBGene00020070	rmd-6	701.1	967.3	434.9	0.45	-1.15	6.94E-13	9.11E-11
WBGene00006044	ssp-16	1700.0	2543.3	856.6	0.34	-1.57	7.01E-13	9.15E-11
WBGene00009513	sfxn-1.2	405.9	625.0	186.9	0.30	-1.74	7.09E-13	9.21E-11
WBGene00015629	C09B9.4	899.6	1268.6	530.6	0.42	-1.26	7.20E-13	9.27E-11
WBGene00016953	C55C3.3	1012.6	1356.1	669.0	0.49	-1.02	7.22E-13	9.27E-11
WBGene00007563	C14A4.13	418.7	596.5	240.8	0.40	-1.31	7.49E-13	9.56E-11
WBGene00020890	fbxa-202	293.6	430.2	157.1	0.37	-1.45	8.05E-13	1.02E-10
WBGene00022709	ZK354.8	909.0	1307.9	510.0	0.39	-1.36	8.36E-13	1.06E-10
WBGene00009185	F27C8.5	1373.5	2013.2	733.8	0.36	-1.46	8.47E-13	1.07E-10
WBGene00003844	odc-1	3856.4	5394.9	2317.8	0.43	-1.22	8.62E-13	1.08E-10

WBGene00016358	C33F10.12	1488.3	2123.8	852.9	0.40	-1.32	9.01E-13	1.12E-10
WBGene00004901	snf-2	493.9	722.6	265.2	0.37	-1.45	9.39E-13	1.16E-10
WBGene00010072	F54F12.1	598.2	935.2	261.3	0.28	-1.84	9.81E-13	1.20E-10
WBGene00009680	msd-1	853.8	1157.1	550.5	0.48	-1.07	9.75E-13	1.20E-10
WBGene00011954	T23F11.2	1373.9	1954.5	793.2	0.41	-1.30	9.92E-13	1.21E-10
WBGene00007512	C10C6.3	189.3	294.4	84.2	0.29	-1.81	1.02E-12	1.24E-10
WBGene00017387	mpst-4	494.8	814.2	175.4	0.22	-2.21	1.04E-12	1.25E-10
WBGene00002206	kin-24	315.8	483.0	148.6	0.31	-1.70	1.11E-12	1.33E-10
WBGene00022143	Y71G12B.3	340.1	496.3	183.9	0.37	-1.43	1.12E-12	1.33E-10
WBGene00011909	T22A3.6	126.5	207.3	45.7	0.22	-2.18	1.13E-12	1.34E-10
WBGene00006625	try-7	341.6	498.7	184.5	0.37	-1.43	1.17E-12	1.39E-10
WBGene00010510	ent-3	1291.4	1839.7	743.1	0.40	-1.31	1.18E-12	1.39E-10
WBGene00009708	F44G3.7	971.5	1387.7	555.3	0.40	-1.32	1.22E-12	1.43E-10
WBGene00006057	sss-2	3549.4	5433.1	1665.6	0.31	-1.71	1.27E-12	1.48E-10
WBGene00009941	F52F12.8	258.9	382.2	135.7	0.36	-1.49	1.34E-12	1.55E-10
WBGene00003434	msp-38	4046.5	5816.4	2276.6	0.39	-1.35	1.50E-12	1.73E-10
WBGene00004084	pph-2	309.6	453.5	165.7	0.37	-1.45	1.53E-12	1.76E-10
WBGene00015024	B0205.10	2795.0	3937.6	1652.5	0.42	-1.25	1.71E-12	1.96E-10
WBGene00015997	C18H7.7	153.1	239.1	67.1	0.28	-1.83	1.75E-12	1.98E-10
WBGene00009685	F44D12.8	592.0	850.8	333.1	0.39	-1.35	1.74E-12	1.98E-10
WBGene00021871	dml-1	296.7	435.5	157.9	0.36	-1.46	1.80E-12	2.03E-10
WBGene00016388	C34B2.3	469.4	666.1	272.7	0.41	-1.29	1.81E-12	2.03E-10
WBGene00015084	B0244.9	312.1	458.6	165.5	0.36	-1.47	1.82E-12	2.04E-10
WBGene00009502	F37A8.2	345.8	500.7	190.9	0.38	-1.39	2.08E-12	2.31E-10
WBGene00011586	flp-33	265.1	386.1	144.1	0.37	-1.42	2.10E-12	2.33E-10
WBGene00021271	spe-47	285.0	419.4	150.5	0.36	-1.48	2.15E-12	2.38E-10
WBGene00013495	clec-236	170.1	275.4	64.7	0.24	-2.09	2.21E-12	2.42E-10
WBGene00016447	msd-4	6652.7	9431.2	3874.2	0.41	-1.28	2.23E-12	2.44E-10
WBGene00045484	F34D10.9	758.4	1056.1	460.8	0.44	-1.20	2.41E-12	2.62E-10
WBGene00006047	ssp-19	565.5	805.6	325.4	0.40	-1.31	2.45E-12	2.66E-10
WBGene00009457	F36A2.10	1832.4	2535.4	1129.4	0.45	-1.17	2.47E-12	2.67E-10
WBGene00003429	msp-31	6402.3	9212.1	3592.6	0.39	-1.36	2.54E-12	2.73E-10
WBGene00009470	F36D3.4	1855.6	2613.0	1098.3	0.42	-1.25	2.67E-12	2.86E-10
WBGene00020187	gsp-4	4675.2	6589.0	2761.5	0.42	-1.25	3.03E-12	3.23E-10
WBGene00007446	mboa-4	397.5	583.9	211.2	0.36	-1.47	3.06E-12	3.24E-10
WBGene00235383	ZK616.65	379.3	581.9	176.6	0.30	-1.72	3.14E-12	3.31E-10
WBGene00021969	Y57G7A.6	2132.7	2980.4	1284.9	0.43	-1.21	3.71E-12	3.90E-10
WBGene00001461	flp-18	802.3	1070.0	534.5	0.50	-1.00	3.84E-12	4.02E-10
WBGene00008556	F07D3.3	73.5	126.5	20.5	0.16	-2.63	3.87E-12	4.03E-10
WBGene00022157	Y71G12B.22	600.9	842.7	359.2	0.43	-1.23	3.98E-12	4.12E-10
WBGene00022032	Y65B4A.9	608.7	842.2	375.2	0.45	-1.17	3.99E-12	4.12E-10
WBGene00012912	Y46G5A.22	639.9	948.7	331.2	0.35	-1.52	4.03E-12	4.14E-10
WBGene00016839	C50F2.5	502.8	735.0	270.7	0.37	-1.44	4.04E-12	4.14E-10
WBGene00015944	C18A3.7	317.1	461.7	172.6	0.37	-1.42	4.10E-12	4.18E-10
WBGene00013956	ZK265.3	3520.1	4861.7	2178.5	0.45	-1.16	4.58E-12	4.66E-10
WBGene00021287	Y24D9B.1	576.9	791.4	362.4	0.46	-1.13	4.81E-12	4.87E-10
WBGene00020713	T23B3.5	3021.8	4235.5	1808.2	0.43	-1.23	5.28E-12	5.31E-10
WBGene00013318	Y57G11C.23	493.7	687.7	299.7	0.44	-1.20	5.54E-12	5.55E-10
WBGene00012925	wht-8	839.8	1220.7	458.8	0.38	-1.41	5.61E-12	5.60E-10
WBGene00016612	C43G2.3	684.4	930.1	438.7	0.47	-1.08	6.12E-12	6.08E-10
WBGene00014062	ZK673.6	163.6	254.4	72.9	0.29	-1.80	6.37E-12	6.32E-10
WBGene00022780	ZK622.1	492.2	689.0	295.4	0.43	-1.22	6.53E-12	6.44E-10
WBGene00020084	R105.1	1490.7	2187.2	794.2	0.36	-1.46	6.75E-12	6.64E-10
WBGene00021007	W03F11.4	3334.5	4986.7	1682.4	0.34	-1.57	7.10E-12	6.95E-10
WBGene00086554	D1081.12	488.9	719.6	258.2	0.36	-1.48	7.24E-12	7.06E-10
WBGene00007049	tag-191	212.6	321.9	103.4	0.32	-1.64	7.47E-12	7.24E-10
WBGene00022650	ZK84.2	708.8	1000.8	416.7	0.42	-1.26	7.49E-12	7.24E-10
WBGene00003442	msp-49	4947.1	6931.0	2963.2	0.43	-1.23	7.55E-12	7.27E-10
WBGene00008725	F13A7.7	179.4	299.9	58.8	0.20	-2.35	7.93E-12	7.61E-10
WBGene00010980	R02D5.7	402.8	574.6	231.0	0.40	-1.31	8.08E-12	7.72E-10
WBGene00007060	wht-6	1162.2	1590.4	734.0	0.46	-1.12	8.50E-12	8.09E-10
WBGene00012636	Y38H8A.2	171.2	264.5	78.0	0.29	-1.76	8.72E-12	8.27E-10
WBGene00019255	H32C10.1	815.5	1135.1	495.8	0.44	-1.20	9.25E-12	8.74E-10
WBGene00013824	Y116F11B.8	122.7	197.8	47.7	0.24	-2.05	9.92E-12	9.33E-10
WBGene00018232	F40E3.5	416.8	587.4	246.3	0.42	-1.25	1.04E-11	9.71E-10

WBGene00015907	C17F3.1	1410.2	2048.9	771.4	0.38	-1.41	1.13E-11	1.05E-09
WBGene00018999	F57B9.8	461.8	643.2	280.5	0.44	-1.20	1.15E-11	1.07E-09
WBGene00007306	C04G2.5	358.8	507.8	209.8	0.41	-1.28	1.21E-11	1.12E-09
WBGene00012679	Y39B6A.18	168.9	261.9	75.8	0.29	-1.79	1.23E-11	1.13E-09
WBGene00018055	F35F10.5	399.3	557.2	241.4	0.43	-1.21	1.24E-11	1.14E-09
WBGene00016707	C46E10.1	958.1	1329.1	587.2	0.44	-1.18	1.26E-11	1.16E-09
WBGene00012582	clec-8	565.3	775.8	354.8	0.46	-1.13	1.27E-11	1.16E-09
WBGene00018163	F38A5.6	214.4	322.5	106.2	0.33	-1.60	1.41E-11	1.28E-09
WBGene00003431	msp-33	6138.2	8877.7	3398.6	0.38	-1.39	1.42E-11	1.28E-09
WBGene00013858	ssp-34	1746.0	2384.8	1107.3	0.46	-1.11	1.42E-11	1.28E-09
WBGene00009416	F35E2.9	1119.3	1590.3	648.3	0.41	-1.29	1.53E-11	1.36E-09
WBGene00011919	T22C1.9	469.9	655.5	284.3	0.43	-1.21	1.53E-11	1.36E-09
WBGene00012172	W01B6.5	306.5	454.6	158.4	0.35	-1.52	1.54E-11	1.37E-09
WBGene00013052	scrm-7	188.5	288.2	88.7	0.31	-1.70	1.57E-11	1.38E-09
WBGene00020116	moa-1	1431.2	2039.5	823.0	0.40	-1.31	1.56E-11	1.38E-09
WBGene00010046	F54D1.1	686.6	961.0	412.2	0.43	-1.22	1.60E-11	1.41E-09
WBGene00022753	ZK484.7	537.0	785.8	288.2	0.37	-1.45	1.66E-11	1.46E-09
WBGene00018930	F56B3.6	1582.6	2188.3	977.0	0.45	-1.16	1.77E-11	1.55E-09
WBGene00007778	C27D8.2	1904.1	2618.2	1189.9	0.45	-1.14	1.78E-11	1.55E-09
WBGene00017736	F23C8.7	607.1	853.3	360.9	0.42	-1.24	1.83E-11	1.59E-09
WBGene00003456	msp-63	191.3	304.6	78.0	0.26	-1.97	1.89E-11	1.64E-09
WBGene00011114	R07E5.6	761.1	1097.5	424.8	0.39	-1.37	1.93E-11	1.66E-09
WBGene00008074	nkb-2	1318.7	1836.5	801.0	0.44	-1.20	1.99E-11	1.71E-09
WBGene00016730	C46H11.6	191.4	303.5	79.3	0.26	-1.94	2.05E-11	1.75E-09
WBGene00002204	kin-21	351.1	500.4	201.7	0.40	-1.31	2.06E-11	1.75E-09
WBGene00019165	mpz-4	623.8	878.4	369.1	0.42	-1.25	2.06E-11	1.75E-09
WBGene00003435	msp-40	7774.1	11062.8	4485.5	0.41	-1.30	2.13E-11	1.80E-09
WBGene00015348	C02F5.5	1562.0	2151.3	972.6	0.45	-1.15	2.15E-11	1.80E-09
WBGene00019972	R09A1.2	883.9	1180.7	587.0	0.50	-1.01	2.13E-11	1.80E-09
WBGene00015049	B0218.5	256.7	378.4	135.1	0.36	-1.49	2.25E-11	1.88E-09
WBGene00044062	snb-6	287.7	420.7	154.7	0.37	-1.44	2.27E-11	1.89E-09
WBGene00016954	C55C3.4	449.6	630.7	268.6	0.43	-1.23	2.28E-11	1.89E-09
WBGene00020289	T06C10.3	649.6	921.5	377.7	0.41	-1.29	2.30E-11	1.90E-09
WBGene00017553	nep-8	689.5	991.2	387.9	0.39	-1.35	2.42E-11	2.00E-09
WBGene00013107	Y51H4A.13	377.0	531.9	222.2	0.42	-1.26	2.44E-11	2.01E-09
WBGene00009178	uggt-2	417.5	637.0	198.1	0.31	-1.68	2.54E-11	2.08E-09
WBGene00007323	fbxa-155	148.9	234.0	63.8	0.27	-1.87	2.61E-11	2.13E-09
WBGene00044684	T08G11.2	606.1	857.7	354.6	0.41	-1.27	2.70E-11	2.20E-09
WBGene00003470	msp-152	7922.4	11258.6	4586.1	0.41	-1.30	2.93E-11	2.38E-09
WBGene00013192	Y54E2A.7	441.9	670.3	213.5	0.32	-1.65	2.95E-11	2.39E-09
WBGene00010241	F58D2.2	2134.9	3046.5	1223.3	0.40	-1.32	2.96E-11	2.39E-09
WBGene00003438	msp-45	5713.0	7912.1	3513.9	0.44	-1.17	3.14E-11	2.52E-09
WBGene00050915	Y6E2A.10	353.9	502.4	205.4	0.41	-1.29	3.32E-11	2.66E-09
WBGene00016957	atic-1	5001.4	6253.4	3749.4	0.60	-0.74	3.41E-11	2.72E-09
WBGene00019530	scrm-8	355.2	506.3	204.2	0.40	-1.31	3.65E-11	2.91E-09
WBGene00021858	Y54F10BM.3	879.5	1263.6	495.5	0.39	-1.35	3.69E-11	2.92E-09
WBGene00016875	C52D10.1	934.6	1335.8	533.4	0.40	-1.32	3.82E-11	3.02E-09
WBGene00020590	T19H12.6	126.0	206.5	45.6	0.22	-2.18	3.84E-11	3.03E-09
WBGene00020627	T20F5.5	732.1	1008.4	455.8	0.45	-1.15	4.03E-11	3.17E-09
WBGene00012207	W02B12.12	3544.7	4974.6	2114.8	0.43	-1.23	4.09E-11	3.19E-09
WBGene00044529	irld-1	317.8	451.6	184.1	0.41	-1.29	4.45E-11	3.46E-09
WBGene00016414	C34F11.2	534.0	728.8	339.2	0.47	-1.10	4.46E-11	3.46E-09
WBGene00001452	flp-9	1341.2	1730.8	951.5	0.55	-0.86	4.49E-11	3.47E-09
WBGene00008657	clec-154	116.5	190.6	42.5	0.22	-2.17	4.73E-11	3.65E-09
WBGene00020388	T10B5.2	232.2	340.7	123.8	0.36	-1.46	4.78E-11	3.67E-09
WBGene00003424	msp-3	3507.1	5168.8	1845.5	0.36	-1.49	4.90E-11	3.75E-09
WBGene00016541	C39H7.1	5030.4	6993.0	3067.8	0.44	-1.19	4.93E-11	3.77E-09
WBGene00044122	T28B8.6	267.1	388.6	145.7	0.37	-1.42	5.01E-11	3.81E-09
WBGene00009962	F53B6.7	1112.5	1536.8	688.3	0.45	-1.16	5.12E-11	3.88E-09
WBGene00008508	F01G10.5	675.2	967.5	382.8	0.40	-1.34	5.23E-11	3.95E-09
WBGene00195178	ZC581.10	192.6	292.2	92.9	0.32	-1.65	5.40E-11	4.07E-09
WBGene00017542	F17E9.5	6468.2	9208.6	3727.7	0.40	-1.30	5.50E-11	4.12E-09
WBGene00009324	F32B6.10	343.1	488.0	198.3	0.41	-1.30	5.48E-11	4.12E-09
WBGene00009956	F53B2.5	610.2	859.7	360.8	0.42	-1.25	5.55E-11	4.15E-09
WBGene00001246	elo-8	463.7	700.7	226.7	0.32	-1.63	5.64E-11	4.20E-09

WBGene00044220	Y102A5C.35	64.9	106.7	23.2	0.22	-2.20	5.72E-11	4.24E-09
WBGene00013087	Y51B9A.5	354.7	501.7	207.8	0.41	-1.27	5.89E-11	4.36E-09
WBGene00011132	R08A2.1	583.6	844.4	322.7	0.38	-1.39	5.94E-11	4.38E-09
WBGene00014813	M176.9	583.7	876.5	291.0	0.33	-1.59	6.01E-11	4.42E-09
WBGene00017114	E03H12.7	638.1	929.2	347.1	0.37	-1.42	6.10E-11	4.48E-09
WBGene00020356	T08B6.9	446.3	705.0	187.6	0.27	-1.91	6.35E-11	4.64E-09
WBGene00009501	F37A8.1	216.0	325.8	106.1	0.33	-1.62	6.51E-11	4.74E-09
WBGene00001245	elo-7	312.4	465.2	159.7	0.34	-1.54	6.70E-11	4.87E-09
WBGene00022133	Y71F9B.15	267.0	394.8	139.1	0.35	-1.50	7.36E-11	5.33E-09
WBGene00007335	C05C12.1	535.2	740.4	330.1	0.45	-1.17	7.58E-11	5.48E-09
WBGene00010246	F58D5.7	1097.3	1529.1	665.5	0.44	-1.20	7.97E-11	5.73E-09
WBGene00012011	T25B9.5	192.1	289.6	94.7	0.33	-1.61	8.51E-11	6.10E-09
WBGene00007159	B0379.7	2662.3	3598.1	1726.5	0.48	-1.06	9.27E-11	6.62E-09
WBGene00020042	R13A1.3	273.1	409.3	136.9	0.33	-1.58	9.37E-11	6.65E-09
WBGene00010943	M176.4	2044.9	2600.7	1489.1	0.57	-0.80	9.35E-11	6.65E-09
WBGene00012690	Y39B6A.31	154.9	239.7	70.0	0.29	-1.78	9.44E-11	6.68E-09
WBGene00015929	C17H12.3	1749.3	2562.0	936.6	0.37	-1.45	9.50E-11	6.70E-09
WBGene00077685	C04F12.12	221.2	330.9	111.5	0.34	-1.57	1.00E-10	7.00E-09
WBGene00022876	ZK1248.5	807.9	1165.6	450.2	0.39	-1.37	1.00E-10	7.00E-09
WBGene00008313	C54G4.3	760.8	1065.0	456.7	0.43	-1.22	9.98E-11	7.00E-09
WBGene00019561	K09C6.7	1494.1	2074.6	913.6	0.44	-1.18	1.03E-10	7.15E-09
WBGene00044177	C30G7.3	1742.8	2397.1	1088.4	0.45	-1.14	1.03E-10	7.15E-09
WBGene00011748	T13F2.9	5795.8	8595.6	2996.0	0.35	-1.52	1.03E-10	7.16E-09
WBGene00020003	R11E3.1	1233.9	1634.6	833.1	0.51	-0.97	1.04E-10	7.22E-09
WBGene00019086	F59A6.4	986.6	1400.0	573.2	0.41	-1.29	1.11E-10	7.66E-09
WBGene00010876	M05D6.3	226.5	333.3	119.8	0.36	-1.48	1.13E-10	7.74E-09
WBGene00013357	clec-260	129.8	206.6	53.0	0.26	-1.96	1.15E-10	7.87E-09
WBGene00043743	Y59E9AL.2	1011.5	1411.7	611.3	0.43	-1.21	1.15E-10	7.88E-09
WBGene00022102	Y69F12A.1	237.7	352.3	123.1	0.35	-1.52	1.22E-10	8.32E-09
WBGene00003530	nas-11	7885.5	9804.5	5966.5	0.61	-0.72	1.22E-10	8.32E-09
WBGene00020282	mps-3	265.1	383.4	146.8	0.38	-1.39	1.23E-10	8.33E-09
WBGene00010300	F59A1.15	333.6	476.5	190.6	0.40	-1.32	1.24E-10	8.40E-09
WBGene00019244	H25P19.1	1375.2	1734.6	1015.8	0.59	-0.77	1.29E-10	8.73E-09
WBGene00022108	Y71F9AL.2	763.0	1085.3	440.7	0.41	-1.30	1.30E-10	8.76E-09
WBGene00018174	F38B6.4	4898.8	6142.7	3654.9	0.60	-0.75	1.34E-10	8.95E-09
WBGene00011910	alg-3	4098.8	5800.1	2397.5	0.41	-1.27	1.38E-10	9.22E-09
WBGene00016946	C55B7.10	364.9	519.1	210.7	0.41	-1.30	1.42E-10	9.48E-09
WBGene00003467	msp-81	11452.0	16486.6	6417.5	0.39	-1.36	1.43E-10	9.53E-09
WBGene00013696	Y106G6A.4	2049.5	2782.9	1316.1	0.47	-1.08	1.44E-10	9.55E-09
WBGene00007305	C04G2.2	642.7	911.6	373.8	0.41	-1.29	1.45E-10	9.59E-09
WBGene00014169	ZK945.7	2845.0	3934.3	1755.7	0.45	-1.16	1.48E-10	9.77E-09
WBGene00014229	ZK1128.3	610.3	840.6	379.9	0.45	-1.15	1.51E-10	9.90E-09
WBGene00019586	K09F6.3	2152.2	2950.9	1353.5	0.46	-1.12	1.51E-10	9.90E-09
WBGene00009412	F35E2.5	209.2	313.4	105.0	0.34	-1.58	1.54E-10	1.01E-08
WBGene00004904	snf-5	5579.9	7783.0	3376.9	0.43	-1.20	1.61E-10	1.05E-08
WBGene00008950	wht-5	846.9	1242.2	451.5	0.36	-1.46	1.64E-10	1.07E-08
WBGene00012191	W02A2.8	348.1	488.7	207.4	0.42	-1.24	1.72E-10	1.11E-08
WBGene00007156	B0379.2	641.6	933.2	350.0	0.38	-1.41	1.80E-10	1.16E-08
WBGene00021880	Y54G2A.15	499.8	675.3	324.3	0.48	-1.06	1.84E-10	1.18E-08
WBGene00020293	nep-20	324.1	460.1	188.0	0.41	-1.29	1.93E-10	1.23E-08
WBGene00022763	ZK546.7	69.9	121.9	17.8	0.15	-2.78	1.93E-10	1.24E-08
WBGene00011407	ppat-1	2486.6	3136.6	1836.5	0.59	-0.77	1.97E-10	1.26E-08
WBGene00021537	Y42H9AR.2	305.6	436.4	174.7	0.40	-1.32	2.00E-10	1.27E-08
WBGene00017955	F31E8.5	1483.2	2127.4	839.0	0.39	-1.34	2.06E-10	1.31E-08
WBGene00009548	F38H4.4	1010.0	1398.8	621.1	0.44	-1.17	2.07E-10	1.31E-08
WBGene00018081	F36A4.2	130.5	203.2	57.8	0.28	-1.81	2.10E-10	1.33E-08
WBGene00020533	T16A1.2	213.9	319.2	108.7	0.34	-1.55	2.30E-10	1.44E-08
WBGene00016752	C48E7.7	462.4	644.7	280.0	0.43	-1.20	2.32E-10	1.45E-08
WBGene00001839	hdl-1	845.4	1184.7	506.1	0.43	-1.23	2.39E-10	1.49E-08
WBGene00012979	Y48B6A.5	625.2	925.7	324.6	0.35	-1.51	2.43E-10	1.50E-08
WBGene00018359	F42G8.8	611.1	857.9	364.4	0.42	-1.24	2.48E-10	1.53E-08
WBGene00010136	F55H12.5	1099.6	1573.6	625.5	0.40	-1.33	2.53E-10	1.56E-08
WBGene00015306	C01G5.4	636.0	898.6	373.4	0.42	-1.27	2.53E-10	1.56E-08
WBGene00009075	F23B2.7	272.2	389.2	155.1	0.40	-1.33	2.60E-10	1.59E-08
WBGene00019015	F57F4.1	1062.5	1487.3	637.6	0.43	-1.22	2.61E-10	1.59E-08

WBGene00009620	fip-5	618.6	820.9	416.2	0.51	-0.98	2.79E-10	1.70E-08
WBGene00010155	F56F3.4	1075.4	1511.7	639.0	0.42	-1.24	2.90E-10	1.76E-08
WBGene00013800	Y116A8C.23	391.8	543.6	240.0	0.44	-1.18	2.91E-10	1.76E-08
WBGene00017058	msrp-6	690.5	959.5	421.6	0.44	-1.19	2.95E-10	1.78E-08
WBGene00018980	F56F4.3	343.7	481.4	206.0	0.43	-1.22	2.98E-10	1.79E-08
WBGene00011173	acs-18	2053.1	2809.3	1296.9	0.46	-1.12	3.33E-10	2.00E-08
WBGene00018196	nep-13	482.7	715.2	250.2	0.35	-1.52	3.35E-10	2.01E-08
WBGene00008662	F10G8.2	128.8	202.0	55.6	0.28	-1.86	3.37E-10	2.02E-08
WBGene00077569	F53F4.18	166.6	255.0	78.2	0.31	-1.71	3.50E-10	2.08E-08
WBGene00018773	F53G12.8	485.3	659.6	311.0	0.47	-1.08	3.81E-10	2.26E-08
WBGene00020990	W03D8.9	5826.7	8087.3	3566.2	0.44	-1.18	3.83E-10	2.27E-08
WBGene00016765	C49C8.1	379.3	527.9	230.7	0.44	-1.19	4.06E-10	2.40E-08
WBGene00018134	F37A4.4	1900.5	2738.7	1062.2	0.39	-1.37	4.09E-10	2.41E-08
WBGene00022140	Y71G12A.4	498.3	684.7	312.0	0.46	-1.13	4.18E-10	2.46E-08
WBGene00015630	C09B9.7	368.1	571.4	164.7	0.29	-1.79	4.31E-10	2.52E-08
WBGene00019667	K12B6.2	161.4	245.4	77.5	0.32	-1.66	4.30E-10	2.52E-08
WBGene00219326	F36D3.16	579.3	780.4	378.2	0.48	-1.05	4.52E-10	2.64E-08
WBGene00008124	C47A4.3	364.2	536.5	191.8	0.36	-1.48	4.57E-10	2.66E-08
WBGene00018745	F53C3.1	319.3	475.4	163.2	0.34	-1.54	4.61E-10	2.68E-08
WBGene00016753	oac-9	1024.6	1392.7	656.4	0.47	-1.09	4.63E-10	2.68E-08
WBGene00015106	B0280.11	716.9	990.7	443.0	0.45	-1.16	4.81E-10	2.78E-08
WBGene00016605	C43E11.5	744.5	1025.4	463.5	0.45	-1.15	4.95E-10	2.86E-08
WBGene00019997	R10F2.6	2074.5	2618.0	1530.9	0.58	-0.77	5.05E-10	2.90E-08
WBGene00018531	F47B3.7	1450.9	2035.4	866.4	0.43	-1.23	5.19E-10	2.98E-08
WBGene00018314	F41H10.1	3216.6	4347.3	2086.0	0.48	-1.06	5.32E-10	3.04E-08
WBGene00194816	ZK616.61	408.6	572.3	244.9	0.43	-1.22	5.36E-10	3.06E-08
WBGene00011176	R09E10.6	15101.9	20098.3	10105.5	0.50	-0.99	5.41E-10	3.08E-08
WBGene00000023	abt-5	804.7	1156.7	452.7	0.39	-1.35	5.46E-10	3.10E-08
WBGene00007977	gska-3	1693.4	2465.3	921.5	0.37	-1.42	5.77E-10	3.28E-08
WBGene00007610	C15H7.3	921.8	1277.2	566.4	0.44	-1.17	5.80E-10	3.28E-08
WBGene00018580	F47G6.3	156.7	238.8	74.5	0.31	-1.68	5.90E-10	3.32E-08
WBGene00014154	ZK930.4	420.2	601.1	239.3	0.40	-1.33	5.89E-10	3.32E-08
WBGene00010014	F54B3.2	186.5	275.6	97.5	0.35	-1.50	5.94E-10	3.34E-08
WBGene00020987	W03D8.5	275.7	391.4	159.9	0.41	-1.29	6.02E-10	3.36E-08
WBGene00012637	Y38H8A.3	2358.2	3699.9	1016.5	0.27	-1.86	6.13E-10	3.42E-08
WBGene00007269	C03C10.2	227.9	332.9	122.9	0.37	-1.44	6.20E-10	3.45E-08
WBGene00014102	best-25	143.1	220.5	65.6	0.30	-1.75	6.22E-10	3.46E-08
WBGene00014179	ZK1010.5	2938.4	4273.4	1603.5	0.38	-1.41	6.44E-10	3.56E-08
WBGene00013809	Y116A8C.33	750.6	1033.3	467.8	0.45	-1.14	6.46E-10	3.57E-08
WBGene00014085	ZK809.1	275.4	404.8	146.0	0.36	-1.47	6.58E-10	3.61E-08
WBGene00001775	gst-27	6353.1	7853.2	4853.1	0.62	-0.69	6.56E-10	3.61E-08
WBGene00020715	nspd-4	1009.3	1518.4	500.1	0.33	-1.60	6.74E-10	3.69E-08
WBGene00009016	F21D9.2	544.8	763.2	326.3	0.43	-1.23	6.94E-10	3.79E-08
WBGene00009643	F42G4.6	196.4	288.8	104.1	0.36	-1.47	7.04E-10	3.84E-08
WBGene00010895	M28.4	99.1	156.9	41.3	0.26	-1.92	7.07E-10	3.85E-08
WBGene00007948	C35A5.4	295.3	445.1	145.5	0.33	-1.61	7.14E-10	3.88E-08
WBGene00014129	ZK892.5	771.0	1097.9	444.0	0.40	-1.31	7.20E-10	3.90E-08
WBGene00017215	F07F6.1	809.9	1169.2	450.7	0.39	-1.38	7.25E-10	3.92E-08
WBGene00016288	C31H1.5	1306.3	1810.4	802.1	0.44	-1.17	7.27E-10	3.92E-08
WBGene00017853	F27C1.3	298.2	435.6	160.7	0.37	-1.44	7.32E-10	3.94E-08
WBGene00009193	F27E5.3	227.6	377.5	77.7	0.21	-2.28	7.49E-10	4.02E-08
WBGene00001397	fat-5	3023.6	4840.7	1206.5	0.25	-2.00	7.50E-10	4.02E-08
WBGene00010574	K04H4.5	2018.3	2801.0	1235.6	0.44	-1.18	7.64E-10	4.09E-08
WBGene00019951	R08C7.8	224.4	331.1	117.6	0.36	-1.49	7.97E-10	4.25E-08
WBGene00021908	Y55B1AR.4	470.7	635.8	305.5	0.48	-1.06	7.98E-10	4.25E-08
WBGene00011777	T14G10.8	1287.5	1638.5	936.5	0.57	-0.81	8.20E-10	4.35E-08
WBGene00022654	ZK105.3	160.7	242.7	78.7	0.32	-1.63	8.27E-10	4.38E-08
WBGene00006058	sst-20	467.7	705.9	229.5	0.33	-1.62	8.27E-10	4.38E-08
WBGene00007249	C01G12.9	270.2	387.8	152.7	0.39	-1.34	8.31E-10	4.38E-08
WBGene00007987	C36H8.1	1860.4	2710.9	1009.9	0.37	-1.42	8.45E-10	4.43E-08
WBGene00017647	F20H11.4	1060.2	1369.6	750.7	0.55	-0.87	8.46E-10	4.43E-08
WBGene00044229	T03F6.8	75.3	126.7	24.0	0.19	-2.40	8.52E-10	4.46E-08
WBGene00015193	clec-117	216.5	323.4	109.6	0.34	-1.56	8.63E-10	4.50E-08
WBGene00021128	W10C8.5	9714.0	11905.6	7522.4	0.63	-0.66	8.64E-10	4.50E-08
WBGene00016058	nspd-3	1122.5	1684.2	560.8	0.33	-1.59	8.94E-10	4.63E-08

WBGene00010915	M110.7	550.6	808.7	292.6	0.36	-1.47	8.94E-10	4.63E-08
WBGene00015765	C14C11.1	717.6	944.7	490.5	0.52	-0.95	8.93E-10	4.63E-08
WBGene00021151	Y4C6A.1	111.3	176.6	46.1	0.26	-1.94	9.11E-10	4.69E-08
WBGene00050943	ZC412.10	627.3	825.3	429.4	0.52	-0.94	9.12E-10	4.69E-08
WBGene00004903	snf-4	91.7	154.3	29.2	0.19	-2.40	9.47E-10	4.84E-08
WBGene00014728	E03A3.1	140.4	229.1	51.7	0.23	-2.15	9.50E-10	4.84E-08
WBGene00013279	Y57A10B.7	230.2	348.4	111.9	0.32	-1.64	9.45E-10	4.84E-08
WBGene00018949	acbp-4	166.5	251.4	81.6	0.32	-1.62	9.43E-10	4.84E-08
WBGene00000019	abt-1	1126.5	1618.6	634.3	0.39	-1.35	1.04E-09	5.27E-08
WBGene00013478	Y69E1A.8	331.4	479.4	183.4	0.38	-1.39	1.04E-09	5.30E-08
WBGene00009683	F44D12.6	207.7	324.4	91.0	0.28	-1.83	1.05E-09	5.31E-08
WBGene00016440	gipc-1	10142.9	13512.7	6773.0	0.50	-1.00	1.08E-09	5.47E-08
WBGene00001454	flp-11	877.3	1123.8	630.8	0.56	-0.83	1.09E-09	5.52E-08
WBGene00016698	C46A5.1	946.4	1264.9	628.0	0.50	-1.01	1.11E-09	5.57E-08
WBGene00012102	T27F6.1	134.7	205.6	63.9	0.31	-1.69	1.22E-09	6.12E-08
WBGene00013429	Y66D12A.3	295.9	417.9	173.8	0.42	-1.27	1.25E-09	6.25E-08
WBGene00014755	F40F12.8	171.1	262.0	80.2	0.31	-1.71	1.26E-09	6.28E-08
WBGene00010323	dhhc-12	185.2	285.1	85.2	0.30	-1.74	1.28E-09	6.40E-08
WBGene00019024	F58A6.5	636.8	951.0	322.5	0.34	-1.56	1.30E-09	6.49E-08
WBGene00014121	ZK858.8	878.6	1170.8	586.4	0.50	-1.00	1.32E-09	6.53E-08
WBGene00020905	T28H11.7	1233.3	1688.5	778.1	0.46	-1.12	1.34E-09	6.64E-08
WBGene00004423	rpl-11.2	51199.8	62812.4	39587.2	0.63	-0.67	1.35E-09	6.68E-08
WBGene00010544	K03H1.9	169.9	254.2	85.7	0.34	-1.57	1.36E-09	6.72E-08
WBGene00010474	K01D12.15	414.4	616.1	212.6	0.35	-1.53	1.37E-09	6.75E-08
WBGene00019785	M70.3	2189.1	3180.9	1197.3	0.38	-1.41	1.37E-09	6.75E-08
WBGene00015994	C18H7.4	727.5	995.2	459.9	0.46	-1.11	1.38E-09	6.75E-08
WBGene00006056	sss-1	9079.9	12204.2	5955.6	0.49	-1.04	1.42E-09	6.93E-08
WBGene00011918	T22C1.8	1503.8	2143.0	864.6	0.40	-1.31	1.44E-09	7.05E-08
WBGene00020223	T05A7.6	2709.4	3751.5	1667.3	0.44	-1.17	1.47E-09	7.14E-08
WBGene00019512	K08A2.2	475.0	649.2	300.8	0.46	-1.11	1.54E-09	7.50E-08
WBGene00015034	B0207.11	334.2	498.8	169.6	0.34	-1.56	1.56E-09	7.54E-08
WBGene00050919	C45G9.15	84.4	139.8	29.1	0.21	-2.27	1.65E-09	7.96E-08
WBGene00018120	F36H12.4	271.8	418.0	125.6	0.30	-1.74	1.65E-09	7.96E-08
WBGene00194700	B0025.5	647.3	884.7	409.8	0.46	-1.11	1.68E-09	8.09E-08
WBGene00008801	acp-3	432.1	583.2	281.0	0.48	-1.05	1.70E-09	8.17E-08
WBGene00015688	C10G11.8	8104.0	10900.7	5307.2	0.49	-1.04	1.73E-09	8.28E-08
WBGene00016398	C34D4.2	536.1	847.9	224.2	0.26	-1.92	1.82E-09	8.69E-08
WBGene00022076	daao-1	259.5	369.3	149.7	0.41	-1.30	1.82E-09	8.69E-08
WBGene00016161	C27D6.3	1093.0	1548.4	637.7	0.41	-1.28	1.93E-09	9.23E-08
WBGene00015422	C04E6.5	394.9	563.0	226.9	0.40	-1.31	1.94E-09	9.24E-08
WBGene00020435	T11F8.4	350.5	511.1	189.9	0.37	-1.43	1.99E-09	9.44E-08
WBGene00000878	cyn-2	2505.9	3430.5	1581.3	0.46	-1.12	2.00E-09	9.49E-08
WBGene00023490	F36A2.14	1064.0	1501.5	626.5	0.42	-1.26	2.06E-09	9.73E-08
WBGene00017175	irld-3	409.5	581.3	237.7	0.41	-1.29	2.08E-09	9.83E-08
WBGene00016956	C55C3.6	146.1	228.7	63.4	0.28	-1.85	2.11E-09	9.95E-08
WBGene00008581	acl-13	516.0	731.1	300.9	0.41	-1.28	2.15E-09	1.01E-07
WBGene00017211	fbxb-36	54.3	91.9	16.8	0.18	-2.45	2.17E-09	1.02E-07
WBGene00010254	F58E6.5	2538.6	3666.7	1410.6	0.38	-1.38	2.17E-09	1.02E-07
WBGene00011088	kmo-2	372.9	512.5	233.3	0.46	-1.14	2.20E-09	1.02E-07
WBGene00020531	T15B12.2	596.0	806.1	385.9	0.48	-1.06	2.26E-09	1.05E-07
WBGene00018122	ttbk-2	331.3	463.2	199.4	0.43	-1.22	2.33E-09	1.08E-07
WBGene00017554	nep-9	268.4	390.0	146.8	0.38	-1.41	2.41E-09	1.11E-07
WBGene00001774	gst-26	4498.4	5539.0	3457.8	0.62	-0.68	2.39E-09	1.11E-07
WBGene00010181	F57A8.6	277.2	395.0	159.5	0.40	-1.31	2.47E-09	1.14E-07
WBGene00008811	F14F7.4	355.4	508.5	202.2	0.40	-1.33	2.55E-09	1.18E-07
WBGene00008754	F13E9.5	422.6	592.2	253.0	0.43	-1.23	2.59E-09	1.19E-07
WBGene00000752	col-179	60778.9	74015.7	47542.0	0.64	-0.64	2.63E-09	1.21E-07
WBGene00015987	C18G1.9	678.9	955.2	402.6	0.42	-1.25	2.68E-09	1.23E-07
WBGene00008499	cyp-37A1	1473.7	1866.2	1081.2	0.58	-0.79	2.69E-09	1.23E-07
WBGene00009471	F36D3.5	816.6	1214.3	418.8	0.34	-1.54	2.71E-09	1.24E-07
WBGene00009592	F40F12.3	855.2	1249.1	461.4	0.37	-1.44	2.77E-09	1.26E-07
WBGene00010209	fbxa-191	368.3	497.0	239.6	0.48	-1.05	2.79E-09	1.26E-07
WBGene00004810	skr-4	1782.5	2237.5	1327.5	0.59	-0.75	2.76E-09	1.26E-07
WBGene00009681	gipc-2	15995.2	21533.2	10457.2	0.49	-1.04	2.83E-09	1.28E-07
WBGene00014048	ZK666.8	134.4	219.4	49.5	0.23	-2.15	2.88E-09	1.30E-07

WBGene00011790	T15H9.5	145.3	222.4	68.2	0.31	-1.71	2.96E-09	1.33E-07
WBGene00011951	T23F6.3	598.7	912.7	284.8	0.31	-1.68	2.95E-09	1.33E-07
WBGene00016551	C40A11.8	78.5	125.9	31.1	0.25	-2.02	3.00E-09	1.34E-07
WBGene00019506	K07H8.5	208.7	338.0	79.3	0.23	-2.09	3.07E-09	1.37E-07
WBGene00014174	ZK970.8	204.8	302.1	107.5	0.36	-1.49	3.06E-09	1.37E-07
WBGene00004965	spe-11	2307.4	3139.5	1475.3	0.47	-1.09	3.13E-09	1.39E-07
WBGene00015030	B0207.7	289.1	436.0	142.2	0.33	-1.62	3.18E-09	1.42E-07
WBGene00018332	F42A9.3	242.9	358.9	126.9	0.35	-1.50	3.21E-09	1.42E-07
WBGene00015991	C18H2.4	166.2	251.6	80.9	0.32	-1.64	3.34E-09	1.47E-07
WBGene00021214	hasp-2	610.7	845.2	376.2	0.45	-1.17	3.34E-09	1.47E-07
WBGene00004960	spe-6	977.7	1252.0	703.4	0.56	-0.83	3.34E-09	1.47E-07
WBGene00017737	F23C8.8	320.3	443.9	196.8	0.44	-1.17	3.46E-09	1.52E-07
WBGene00020661	smz-2	3162.8	4300.8	2024.9	0.47	-1.09	3.45E-09	1.52E-07
WBGene00000389	cdc-25.4	198.9	295.3	102.4	0.35	-1.53	3.47E-09	1.53E-07
WBGene00012905	Y46G5A.14	191.4	279.1	103.8	0.37	-1.43	3.58E-09	1.56E-07
WBGene00003235	mif-2	3162.0	3903.9	2420.2	0.62	-0.69	3.55E-09	1.56E-07
WBGene00012595	Y38E10A.17	4940.3	6667.9	3212.6	0.48	-1.05	3.61E-09	1.58E-07
WBGene00011336	ubxn-5	1131.0	1527.5	734.5	0.48	-1.06	3.66E-09	1.60E-07
WBGene00010682	K08F8.5	385.6	528.1	243.1	0.46	-1.12	3.80E-09	1.65E-07
WBGene00045355	D1086.17	2126.4	2897.5	1355.4	0.47	-1.10	3.90E-09	1.69E-07
WBGene00013310	Y57G11C.14	457.2	622.9	291.5	0.47	-1.10	3.94E-09	1.71E-07
WBGene00003437	msp-42	56.9	104.1	9.8	0.09	-3.42	4.04E-09	1.75E-07
WBGene00010547	K03H1.12	288.3	421.8	154.8	0.37	-1.45	4.11E-09	1.78E-07
WBGene00008001	C38C10.3	328.5	479.2	177.9	0.37	-1.43	4.14E-09	1.79E-07
WBGene00000831	ctl-2	5799.5	7117.4	4481.6	0.63	-0.67	4.21E-09	1.81E-07
WBGene00013586	Y80D3A.8	91.4	146.4	36.4	0.25	-2.01	4.31E-09	1.85E-07
WBGene00012855	Y44A6D.5	808.0	1133.4	482.6	0.43	-1.23	4.37E-09	1.87E-07
WBGene00008433	marc-2	231.1	343.4	118.9	0.35	-1.53	4.50E-09	1.92E-07
WBGene00018001	F33D11.2	323.6	454.5	192.8	0.42	-1.24	4.50E-09	1.92E-07
WBGene00009641	F42G4.2	667.6	877.6	457.6	0.52	-0.94	4.52E-09	1.93E-07
WBGene00013304	Y57G11C.6	582.7	814.8	350.6	0.43	-1.22	4.68E-09	1.99E-07
WBGene00017354	F10E9.2	309.2	432.1	186.3	0.43	-1.21	4.75E-09	2.02E-07
WBGene00004485	rps-16	93656.4	113792.3	73520.5	0.65	-0.63	4.99E-09	2.11E-07
WBGene00045508	D1081.10	65.9	112.6	19.2	0.17	-2.55	5.04E-09	2.13E-07
WBGene00022162	Y71G12B.27	674.8	939.0	410.6	0.44	-1.19	5.19E-09	2.18E-07
WBGene00015988	C18H2.1	701.2	980.5	421.8	0.43	-1.22	5.39E-09	2.26E-07
WBGene00016336	C33C12.4	156.9	231.3	82.5	0.36	-1.49	5.41E-09	2.27E-07
WBGene00015116	pacs-1	4902.9	6025.4	3780.4	0.63	-0.67	5.84E-09	2.44E-07
WBGene00010486	K01H12.4	1713.1	2336.5	1089.6	0.47	-1.10	6.00E-09	2.50E-07
WBGene00012250	W04E12.5	130.2	198.8	61.7	0.31	-1.69	6.10E-09	2.53E-07
WBGene00014127	ZK892.3	499.9	676.0	323.8	0.48	-1.06	6.11E-09	2.53E-07
WBGene00008230	pfk-1.2	869.7	1189.8	549.6	0.46	-1.11	6.44E-09	2.66E-07
WBGene00003751	nlp-13	782.2	1007.3	557.1	0.55	-0.85	6.54E-09	2.70E-07
WBGene00017910	F28H1.5	143.3	214.9	71.6	0.33	-1.59	7.10E-09	2.92E-07
WBGene00019810	R01H2.2	358.9	519.5	198.3	0.38	-1.39	7.26E-09	2.98E-07
WBGene00011297	R102.10	618.8	888.9	348.6	0.39	-1.35	7.30E-09	2.99E-07
WBGene00013437	Y66D12A.11	511.0	712.2	309.8	0.44	-1.20	7.34E-09	3.00E-07
WBGene00077519	T27C10.8	528.0	763.9	292.1	0.38	-1.39	7.64E-09	3.12E-07
WBGene00006449	alg-4	4102.4	5730.9	2473.8	0.43	-1.21	7.64E-09	3.12E-07
WBGene00009759	ttr-12	291.1	409.8	172.4	0.42	-1.25	7.69E-09	3.13E-07
WBGene00003425	msp-10	5092.8	7154.3	3031.4	0.42	-1.24	7.94E-09	3.23E-07
WBGene00017179	wht-4	560.8	810.5	311.0	0.38	-1.38	8.12E-09	3.30E-07
WBGene00017902	F28E10.4	318.8	450.8	186.9	0.41	-1.27	8.17E-09	3.31E-07
WBGene00002257	lbp-5	2365.0	2957.9	1772.2	0.60	-0.74	8.24E-09	3.33E-07
WBGene00018301	F41G3.5	607.2	834.2	380.1	0.46	-1.13	8.61E-09	3.48E-07
WBGene00018158	comp-1	941.6	1366.8	516.4	0.38	-1.40	8.69E-09	3.50E-07
WBGene00017112	E03H12.5	2829.4	3961.7	1697.1	0.43	-1.22	8.84E-09	3.55E-07
WBGene00044448	ZK783.6	157.4	269.3	45.5	0.17	-2.56	8.89E-09	3.57E-07
WBGene00001758	gst-10	4477.2	5705.0	3249.4	0.57	-0.81	8.97E-09	3.59E-07
WBGene00017012	acs-22	5779.9	7226.9	4332.9	0.60	-0.74	9.36E-09	3.75E-07
WBGene00008154	C47E12.11	517.9	727.5	308.2	0.42	-1.24	9.47E-09	3.78E-07
WBGene00044333	C01G12.13	120.3	187.8	52.8	0.28	-1.83	9.53E-09	3.80E-07
WBGene00000544	clp-3	535.5	748.8	322.1	0.43	-1.22	9.64E-09	3.83E-07
WBGene00007601	C15C6.2	7724.2	10686.2	4762.2	0.45	-1.17	9.63E-09	3.83E-07
WBGene00017069	timm-17B.2	1598.8	2127.2	1070.4	0.50	-0.99	1.03E-08	4.06E-07

WBGene00020659	T21G5.1	766.5	1023.8	509.2	0.50	-1.01	1.03E-08	4.08E-07
WBGene00045306	ZC250.5	251.3	353.9	148.7	0.42	-1.25	1.10E-08	4.32E-07
WBGene00004963	spe-9	224.5	325.3	123.6	0.38	-1.40	1.11E-08	4.35E-07
WBGene00014100	ZK849.1	150.6	242.7	58.4	0.24	-2.06	1.12E-08	4.38E-07
WBGene00007777	C27D8.1	1917.7	2611.9	1223.4	0.47	-1.09	1.12E-08	4.38E-07
WBGene00044633	F54H12.7	600.0	858.6	341.4	0.40	-1.33	1.12E-08	4.39E-07
WBGene00012177	decr-1.2	731.2	1020.0	442.5	0.43	-1.20	1.12E-08	4.39E-07
WBGene00077563	peel-1	223.8	322.3	125.2	0.39	-1.36	1.13E-08	4.40E-07
WBGene00011134	ssp-33	356.2	496.4	216.1	0.44	-1.20	1.13E-08	4.41E-07
WBGene00010679	K08F4.5	626.5	917.0	336.0	0.37	-1.45	1.14E-08	4.43E-07
WBGene00077579	R11H6.7	71.3	120.9	21.7	0.18	-2.48	1.18E-08	4.57E-07
WBGene00020071	R13H9.5	374.3	523.5	225.1	0.43	-1.22	1.18E-08	4.57E-07
WBGene00001455	flp-12	502.5	692.3	312.8	0.45	-1.15	1.19E-08	4.60E-07
WBGene00007448	C08F8.6	1243.8	1703.0	784.5	0.46	-1.12	1.19E-08	4.60E-07
WBGene00015802	kynu-1	13140.8	15997.1	10284.5	0.64	-0.64	1.24E-08	4.78E-07
WBGene00020072	R13H9.6	285.0	404.9	165.2	0.41	-1.29	1.29E-08	4.96E-07
WBGene00019950	clec-175	368.2	518.2	218.2	0.42	-1.25	1.35E-08	5.19E-07
WBGene00021370	nape-2	1977.0	2453.5	1500.6	0.61	-0.71	1.39E-08	5.30E-07
WBGene00006039	ssp-10	3542.0	4854.6	2229.4	0.46	-1.12	1.43E-08	5.47E-07
WBGene00011203	R10E4.7	1488.5	1861.1	1115.8	0.60	-0.74	1.48E-08	5.64E-07
WBGene00019337	K02F6.3	1870.4	2525.0	1215.9	0.48	-1.05	1.56E-08	5.93E-07
WBGene00021016	W03G9.5	142.2	229.4	55.1	0.24	-2.06	1.57E-08	5.96E-07
WBGene00021081	pals-33	30.8	56.1	5.6	0.10	-3.33	1.58E-08	6.00E-07
WBGene00007169	B0393.4	317.4	500.1	134.7	0.27	-1.89	1.68E-08	6.38E-07
WBGene00219286	C04F12.16	140.2	214.9	65.5	0.30	-1.71	1.69E-08	6.40E-07
WBGene00016675	C45G9.4	120.3	197.5	43.1	0.22	-2.19	1.74E-08	6.60E-07
WBGene00011026	R05D7.1	530.7	719.1	342.4	0.48	-1.07	1.81E-08	6.83E-07
WBGene00008658	clec-152	167.6	273.7	61.4	0.22	-2.16	1.84E-08	6.90E-07
WBGene00021968	Y57G7A.5	686.9	953.3	420.5	0.44	-1.18	1.84E-08	6.90E-07
WBGene00007117	spe-42	145.3	222.9	67.6	0.30	-1.72	1.86E-08	6.97E-07
WBGene00012827	Y43F8C.5	836.5	1134.5	538.4	0.47	-1.08	1.89E-08	7.08E-07
WBGene00013055	Y50E8A.12	121.2	189.2	53.2	0.28	-1.83	1.98E-08	7.40E-07
WBGene00014157	ZK930.7	199.3	287.0	111.6	0.39	-1.36	2.08E-08	7.76E-07
WBGene00014158	ZK938.1	5869.5	7804.8	3934.2	0.50	-0.99	2.09E-08	7.81E-07
WBGene00010633	nspd-2	3869.2	5600.4	2137.9	0.38	-1.39	2.13E-08	7.92E-07
WBGene00019216	H20J04.1	356.7	535.1	178.4	0.33	-1.58	2.14E-08	7.94E-07
WBGene00018360	irld-8	319.9	434.3	205.5	0.47	-1.08	2.15E-08	7.99E-07
WBGene00002186	kel-10	2015.1	2903.4	1126.8	0.39	-1.37	2.17E-08	8.04E-07
WBGene00023424	C53D6.10	612.3	835.2	389.5	0.47	-1.10	2.17E-08	8.04E-07
WBGene00009581	F40F9.3	1441.0	1980.5	901.6	0.46	-1.14	2.20E-08	8.11E-07
WBGene00011133	R08A2.2	417.5	574.9	260.2	0.45	-1.14	2.28E-08	8.42E-07
WBGene00019229	ipla-5	173.8	254.6	93.0	0.37	-1.45	2.31E-08	8.52E-07
WBGene00019169	H06I04.5	496.2	733.4	258.9	0.35	-1.50	2.33E-08	8.54E-07
WBGene00009948	F52H3.6	2291.4	3146.8	1436.0	0.46	-1.13	2.39E-08	8.76E-07
WBGene00016054	C24D10.2	845.1	1144.7	545.4	0.48	-1.07	2.40E-08	8.78E-07
WBGene00000967	dhs-3	6835.4	8829.9	4840.8	0.55	-0.87	2.42E-08	8.83E-07
WBGene00007613	C15H11.1	600.1	833.8	366.4	0.44	-1.19	2.43E-08	8.84E-07
WBGene00077701	poml-3	4422.1	5379.9	3464.4	0.64	-0.63	2.53E-08	9.19E-07
WBGene00001944	his-70	212.8	330.2	95.4	0.29	-1.79	2.56E-08	9.27E-07
WBGene00007081	AH6.3	402.9	562.6	243.2	0.43	-1.21	2.59E-08	9.39E-07
WBGene00011808	T16G12.7	291.8	426.1	157.5	0.37	-1.44	2.62E-08	9.47E-07
WBGene00021006	dct-9	341.4	488.9	193.9	0.40	-1.33	2.68E-08	9.68E-07
WBGene00021995	Y59E9AL.5	56.8	97.6	16.0	0.16	-2.61	2.70E-08	9.73E-07
WBGene00010611	K07A1.4	494.8	730.1	259.5	0.36	-1.49	2.95E-08	1.06E-06
WBGene00016416	C34F11.5	2214.5	2972.1	1457.0	0.49	-1.03	2.98E-08	1.07E-06
WBGene00015165	B0361.11	252.0	366.4	137.5	0.38	-1.41	3.01E-08	1.08E-06
WBGene00021878	Y54G2A.13	1130.9	1560.7	701.1	0.45	-1.15	3.07E-08	1.09E-06
WBGene00012741	Y40H4A.2	564.5	764.6	364.4	0.48	-1.07	3.05E-08	1.09E-06
WBGene00021207	Y18H1A.1	974.2	1314.6	633.8	0.48	-1.05	3.04E-08	1.09E-06
WBGene00012933	mib-1	3057.6	3751.8	2363.4	0.63	-0.67	3.04E-08	1.09E-06
WBGene00010324	F59C6.3	215.7	310.2	121.2	0.39	-1.36	3.13E-08	1.11E-06
WBGene00011378	T02E1.6	821.3	1159.9	482.6	0.42	-1.26	3.13E-08	1.11E-06
WBGene00011911	T22B3.3	1094.9	1504.2	685.6	0.46	-1.13	3.15E-08	1.11E-06
WBGene00012138	T28F4.3	477.7	655.9	299.4	0.46	-1.13	3.13E-08	1.11E-06
WBGene00015616	C08G5.3	69.5	113.6	25.4	0.22	-2.16	3.19E-08	1.13E-06

WBGene00009101	F25B3.4	433.8	578.5	289.1	0.50	-1.00	3.27E-08	1.15E-06
WBGene00007239	C01G10.14	466.4	662.9	269.8	0.41	-1.30	3.37E-08	1.19E-06
WBGene00013978	ZK507.1	340.6	478.2	203.0	0.42	-1.24	3.38E-08	1.19E-06
WBGene00003748	nlp-10	538.2	697.4	379.1	0.54	-0.88	3.40E-08	1.19E-06
WBGene00000820	csp-2	417.0	564.6	269.3	0.48	-1.07	3.47E-08	1.21E-06
WBGene00002208	kin-26	305.5	436.8	174.1	0.40	-1.33	3.50E-08	1.22E-06
WBGene00077548	F21C3.7	102.4	161.3	43.4	0.27	-1.90	3.54E-08	1.24E-06
WBGene00015243	B0524.4	121.6	191.2	52.0	0.27	-1.88	3.57E-08	1.24E-06
WBGene00022617	ZC477.2	279.5	383.5	175.5	0.46	-1.13	3.55E-08	1.24E-06
WBGene00007584	C14C10.1	2994.4	3993.9	1994.9	0.50	-1.00	3.66E-08	1.27E-06
WBGene00018525	F47B3.1	215.9	319.7	112.2	0.35	-1.51	3.74E-08	1.29E-06
WBGene00020864	oac-50	193.5	283.3	103.8	0.37	-1.45	3.74E-08	1.29E-06
WBGene00017271	F08F8.6	174.6	252.0	97.3	0.39	-1.37	3.72E-08	1.29E-06
WBGene00007230	C01G10.1	638.9	983.7	294.1	0.30	-1.74	3.78E-08	1.31E-06
WBGene00003579	ndx-2	461.5	608.4	314.5	0.52	-0.95	3.87E-08	1.33E-06
WBGene00016028	flp-24	839.9	1053.3	626.4	0.59	-0.75	3.97E-08	1.36E-06
WBGene00022542	ZC190.8	130.9	195.8	66.0	0.34	-1.57	4.08E-08	1.40E-06
WBGene00019461	K07A3.3	1071.7	1454.0	689.4	0.47	-1.08	4.22E-08	1.45E-06
WBGene00010245	F58D5.6	109.1	168.6	49.6	0.29	-1.76	4.39E-08	1.50E-06
WBGene00012547	Y37D8A.5	348.2	514.9	181.5	0.35	-1.50	4.39E-08	1.50E-06
WBGene00001448	flp-5	482.0	648.6	315.4	0.49	-1.04	4.44E-08	1.51E-06
WBGene00008235	C50F4.10	650.1	892.4	407.9	0.46	-1.13	4.58E-08	1.56E-06
WBGene00022541	ZC190.7	132.2	200.8	63.6	0.32	-1.66	4.70E-08	1.60E-06
WBGene00014029	ZK637.12	713.6	969.2	457.9	0.47	-1.08	4.71E-08	1.60E-06
WBGene00006038	ssp-9	188.0	263.8	112.2	0.43	-1.23	4.79E-08	1.62E-06
WBGene00018253	F40H6.1	645.2	936.5	353.9	0.38	-1.40	4.82E-08	1.63E-06
WBGene00194912	ZK856.18	587.3	828.0	346.6	0.42	-1.26	4.91E-08	1.66E-06
WBGene00018347	F42C5.5	843.7	1137.0	550.4	0.48	-1.05	4.95E-08	1.67E-06
WBGene00017386	nspd-5	1728.3	2527.5	929.2	0.37	-1.44	4.98E-08	1.68E-06
WBGene00020265	fbxa-196	269.6	405.3	134.0	0.33	-1.60	5.12E-08	1.72E-06
WBGene00013085	mpz-6	237.2	351.2	123.1	0.35	-1.51	5.11E-08	1.72E-06
WBGene00003432	msp-36	11983.4	16518.0	7448.8	0.45	-1.15	5.19E-08	1.74E-06
WBGene00006509	tag-164	963.9	1286.2	641.7	0.50	-1.00	5.24E-08	1.75E-06
WBGene00012010	T25B9.4	322.7	444.4	201.0	0.45	-1.14	5.26E-08	1.76E-06
WBGene00021386	Y37F4.5	379.8	508.8	250.8	0.49	-1.02	5.46E-08	1.82E-06
WBGene00016327	C32E12.1	1413.1	1985.4	840.9	0.42	-1.24	5.49E-08	1.83E-06
WBGene00019430	K06A5.2	7036.7	9372.7	4700.7	0.50	-1.00	5.50E-08	1.83E-06
WBGene00019562	K09C6.8	95.9	163.5	28.3	0.17	-2.53	6.00E-08	1.99E-06
WBGene00044158	Y53C12A.8	118.8	203.3	34.2	0.17	-2.57	6.33E-08	2.10E-06
WBGene00022888	rnh-1.1	984.4	1379.8	589.0	0.43	-1.23	6.63E-08	2.19E-06
WBGene00008548	F07A11.5	2975.4	3687.6	2263.3	0.61	-0.70	6.63E-08	2.19E-06
WBGene00044227	C07A9.13	133.1	201.8	64.4	0.32	-1.65	6.67E-08	2.20E-06
WBGene00011478	T05D4.5	908.1	1189.6	626.6	0.53	-0.92	6.84E-08	2.25E-06
WBGene00007733	smz-1	3752.6	5056.3	2448.9	0.48	-1.05	6.98E-08	2.29E-06
WBGene00007331	pho-11	16430.1	21095.8	11764.4	0.56	-0.84	6.99E-08	2.29E-06
WBGene00001457	flp-14	1147.4	1455.9	839.0	0.58	-0.80	6.97E-08	2.29E-06
WBGene00012402	sfxn-1.3	149.9	232.4	67.3	0.29	-1.79	7.04E-08	2.30E-06
WBGene00007735	C25G4.8	255.1	355.3	154.9	0.44	-1.20	7.03E-08	2.30E-06
WBGene00001843	hgo-1	8527.2	10258.0	6796.3	0.66	-0.59	7.09E-08	2.31E-06
WBGene00012731	Y39G8C.2	137.5	203.1	71.9	0.35	-1.50	7.15E-08	2.33E-06
WBGene00013886	ZC412.5	189.8	276.0	103.7	0.38	-1.41	7.31E-08	2.38E-06
WBGene00022228	Y73B6A.1	156.4	227.1	85.6	0.38	-1.41	7.33E-08	2.38E-06
WBGene00018528	F47B3.4	267.1	370.5	163.7	0.44	-1.18	7.33E-08	2.38E-06
WBGene00021630	Y47D9A.3	66.3	109.0	23.7	0.22	-2.20	7.53E-08	2.44E-06
WBGene00235359	F56D6.22	96.5	149.9	43.1	0.29	-1.80	7.58E-08	2.45E-06
WBGene00014201	ZK1053.6	204.8	291.7	117.8	0.40	-1.31	7.57E-08	2.45E-06
WBGene00002198	kin-14	1051.7	1327.5	775.8	0.58	-0.77	7.58E-08	2.45E-06
WBGene00007641	C17E4.1	176.5	259.5	93.5	0.36	-1.47	7.80E-08	2.51E-06
WBGene00016085	C25A8.5	581.0	827.5	334.5	0.40	-1.31	7.84E-08	2.52E-06
WBGene00018121	F36H12.5	687.2	951.1	423.2	0.44	-1.17	7.94E-08	2.55E-06
WBGene00019160	crf-1	1633.9	2019.2	1248.6	0.62	-0.69	7.98E-08	2.56E-06
WBGene00013879	ZC376.8	404.9	596.1	213.8	0.36	-1.48	8.04E-08	2.57E-06
WBGene00013194	Y54E2A.9	173.8	290.0	57.5	0.20	-2.33	8.24E-08	2.63E-06
WBGene00011214	R10E9.2	6560.0	8929.0	4190.9	0.47	-1.09	8.24E-08	2.63E-06
WBGene00009344	F32H2.7	3256.4	4339.9	2172.9	0.50	-1.00	8.26E-08	2.63E-06

WBGene00015627	C09B9.2	1356.0	1844.6	867.4	0.47	-1.09	8.34E-08	2.65E-06
WBGene00010634	K07F5.6	507.0	700.1	314.0	0.45	-1.16	8.43E-08	2.68E-06
WBGene00018235	F40E12.2	486.5	710.0	263.1	0.37	-1.43	8.55E-08	2.71E-06
WBGene00009705	F44F4.10	232.3	344.2	120.4	0.35	-1.51	8.69E-08	2.75E-06
WBGene00004747	sdc-3	4514.0	5426.2	3601.9	0.66	-0.59	8.85E-08	2.80E-06
WBGene00008541	F07A5.2	4714.1	6422.1	3006.1	0.47	-1.10	9.00E-08	2.84E-06
WBGene00009031	F21H7.5	6488.3	8754.1	4222.5	0.48	-1.05	8.98E-08	2.84E-06
WBGene00194864	Y66A7A.9	136.7	214.3	59.1	0.28	-1.86	9.09E-08	2.87E-06
WBGene00018146	F37C4.6	3978.6	4838.1	3119.1	0.64	-0.63	9.18E-08	2.89E-06
WBGene00012761	Y41C4A.18	196.9	278.8	114.9	0.41	-1.28	9.24E-08	2.90E-06
WBGene00007763	C27B7.6	594.3	839.6	349.0	0.42	-1.27	9.21E-08	2.90E-06
WBGene00016322	C32E8.4	580.7	817.6	343.8	0.42	-1.25	9.26E-08	2.90E-06
WBGene00016399	C34D4.3	1602.0	2135.8	1068.1	0.50	-1.00	9.24E-08	2.90E-06
WBGene00016474	C36C5.5	410.2	530.9	289.5	0.55	-0.87	9.38E-08	2.93E-06
WBGene00020419	acdh-4	753.0	989.5	516.5	0.52	-0.94	9.42E-08	2.94E-06
WBGene00017730	F22H10.6	587.2	768.5	405.9	0.53	-0.92	9.40E-08	2.94E-06
WBGene00017672	F21F3.2	521.4	757.9	285.0	0.38	-1.41	9.67E-08	3.01E-06
WBGene00001242	elo-4	233.0	323.9	142.2	0.44	-1.19	9.74E-08	3.03E-06
WBGene00012219	W03C9.1	236.3	334.4	138.2	0.41	-1.27	9.82E-08	3.05E-06
WBGene00013190	Y54E2A.5	190.0	269.5	110.5	0.41	-1.29	9.91E-08	3.07E-06
WBGene00013284	daf-22	6109.8	7436.8	4782.8	0.64	-0.64	9.97E-08	3.09E-06
WBGene00019920	acs-15	802.5	1095.3	509.6	0.47	-1.10	1.05E-07	3.24E-06
WBGene00002227	klp-17	449.2	651.9	246.5	0.38	-1.40	1.07E-07	3.30E-06
WBGene00008079	C44B9.2	357.4	488.1	226.7	0.46	-1.11	1.09E-07	3.36E-06
WBGene00017817	F26B1.5	146.4	214.6	78.3	0.36	-1.46	1.11E-07	3.41E-06
WBGene00044447	ZK688.10	765.0	1093.7	436.2	0.40	-1.33	1.11E-07	3.42E-06
WBGene00018792	F54C1.8	387.6	533.6	241.5	0.45	-1.14	1.15E-07	3.54E-06
WBGene00021993	Y59E9AL.3	886.5	1248.5	524.6	0.42	-1.25	1.16E-07	3.55E-06
WBGene00014997	AC7.3	96.9	149.3	44.4	0.30	-1.75	1.18E-07	3.60E-06
WBGene00013165	Y53F4B.19	891.9	1197.2	586.7	0.49	-1.03	1.19E-07	3.64E-06
WBGene00020991	W03D8.10	187.6	322.1	53.1	0.16	-2.60	1.21E-07	3.68E-06
WBGene00013657	Y105C5B.18	462.9	611.3	314.6	0.51	-0.96	1.22E-07	3.71E-06
WBGene00050956	C14A6.13	588.2	764.0	412.4	0.54	-0.89	1.24E-07	3.77E-06
WBGene00044810	Y37E3.19	123.6	193.7	53.6	0.28	-1.85	1.26E-07	3.84E-06
WBGene00010575	flp-25	118.8	175.1	62.5	0.36	-1.49	1.28E-07	3.89E-06
WBGene00007794	C28D4.7	1175.5	1628.4	722.6	0.44	-1.17	1.31E-07	3.96E-06
WBGene00009749	F46A8.6	69.9	115.2	24.6	0.21	-2.23	1.32E-07	3.99E-06
WBGene00195147	F14E5.8	136.5	203.5	69.5	0.34	-1.55	1.36E-07	4.12E-06
WBGene00010871	M05B5.3	283.0	400.3	165.6	0.41	-1.27	1.38E-07	4.16E-06
WBGene00012786	Y43C5B.3	1532.8	2084.6	981.1	0.47	-1.09	1.38E-07	4.17E-06
WBGene00021633	Y47G6A.3	470.6	617.2	324.0	0.52	-0.93	1.40E-07	4.22E-06
WBGene00009401	F35C11.2	275.1	397.4	152.9	0.38	-1.38	1.42E-07	4.28E-06
WBGene00002193	kin-5	938.9	1316.3	561.6	0.43	-1.23	1.43E-07	4.28E-06
WBGene00020985	W03D8.2	350.4	492.1	208.8	0.42	-1.24	1.51E-07	4.52E-06
WBGene00010265	F58G1.3	1414.6	2007.6	821.5	0.41	-1.29	1.59E-07	4.74E-06
WBGene00045036	K08E4.7	168.4	239.9	96.9	0.40	-1.31	1.64E-07	4.88E-06
WBGene00001414	fer-1	830.9	1196.4	465.4	0.39	-1.36	1.67E-07	4.95E-06
WBGene00003773	nlt-1	3384.7	4346.6	2422.8	0.56	-0.84	1.68E-07	4.99E-06
WBGene00004438	rpl-25.1	17825.5	21370.6	14280.3	0.67	-0.58	1.72E-07	5.09E-06
WBGene00014238	ZK1225.4	869.2	1245.8	492.7	0.40	-1.34	1.77E-07	5.24E-06
WBGene00009492	F36H1.3	716.6	1003.1	430.2	0.43	-1.22	1.77E-07	5.24E-06
WBGene00019834	R02F2.5	69.2	112.9	25.6	0.23	-2.14	1.80E-07	5.30E-06
WBGene00017869	F28A10.1	45.6	78.0	13.1	0.17	-2.58	1.82E-07	5.34E-06
WBGene00010650	K08C9.1	871.8	1230.6	513.0	0.42	-1.26	1.85E-07	5.44E-06
WBGene00008772	irld-4	214.6	297.8	131.5	0.44	-1.18	1.85E-07	5.44E-06
WBGene00013526	Y73F8A.20	577.1	785.0	369.2	0.47	-1.09	1.87E-07	5.48E-06
WBGene00007244	C01G12.3	574.8	770.5	379.1	0.49	-1.02	1.92E-07	5.62E-06
WBGene00019626	K10C9.7	444.6	631.0	258.1	0.41	-1.29	1.94E-07	5.67E-06
WBGene00018841	F54H5.5	731.0	949.6	512.4	0.54	-0.89	1.96E-07	5.70E-06
WBGene00020973	W03B1.3	123.3	186.4	60.2	0.32	-1.63	1.96E-07	5.71E-06
WBGene00012251	clec-49	3080.4	3933.0	2227.8	0.57	-0.82	1.97E-07	5.73E-06
WBGene00000771	cpb-2	888.1	1250.6	525.6	0.42	-1.25	2.00E-07	5.82E-06
WBGene00016212	C29F5.3	142.3	211.6	73.0	0.35	-1.53	2.07E-07	5.99E-06
WBGene00019335	K02F6.1	138.5	207.9	69.0	0.33	-1.59	2.09E-07	6.04E-06
WBGene00011438	T04F3.3	661.1	879.7	442.4	0.50	-0.99	2.09E-07	6.04E-06

WBGene00000118	alh-12	13270.2	15884.5	10655.9	0.67	-0.58	2.14E-07	6.19E-06
WBGene00019096	cysl-4	142.2	211.1	73.3	0.35	-1.53	2.16E-07	6.22E-06
WBGene00008153	C47E12.10	164.6	240.5	88.8	0.37	-1.44	2.15E-07	6.22E-06
WBGene00016357	C33F10.11	2428.4	3398.8	1458.1	0.43	-1.22	2.16E-07	6.22E-06
WBGene00017057	D2062.5	62.4	101.7	23.1	0.23	-2.14	2.19E-07	6.30E-06
WBGene00016800	C50C3.2	1039.2	1361.8	716.7	0.53	-0.93	2.19E-07	6.30E-06
WBGene00021273	Y23H5B.2	62.7	104.3	21.0	0.20	-2.31	2.20E-07	6.32E-06
WBGene00012754	Y41C4A.7	185.9	266.6	105.3	0.39	-1.34	2.21E-07	6.34E-06
WBGene00013449	Y67A6A.1	481.5	670.2	292.7	0.44	-1.20	2.22E-07	6.36E-06
WBGene00012689	Y39B6A.30	1414.3	1960.1	868.5	0.44	-1.17	2.24E-07	6.41E-06
WBGene00018148	F37C4.8	82.2	136.9	27.6	0.20	-2.31	2.25E-07	6.42E-06
WBGene00001912	his-38	1254.3	1556.8	951.9	0.61	-0.71	2.27E-07	6.49E-06
WBGene00004909	snf-10	585.5	823.8	347.2	0.42	-1.25	2.30E-07	6.55E-06
WBGene00022754	nspd-1	2274.9	3274.0	1275.7	0.39	-1.36	2.30E-07	6.56E-06
WBGene00007633	C16D2.1	221.0	317.2	124.7	0.39	-1.35	2.32E-07	6.60E-06
WBGene00017555	nep-10	241.3	331.6	151.1	0.46	-1.13	2.33E-07	6.63E-06
WBGene00044270	F35E2.10	118.1	183.4	52.7	0.29	-1.80	2.34E-07	6.64E-06
WBGene00015511	C06A6.7	256.5	355.7	157.3	0.44	-1.18	2.40E-07	6.80E-06
WBGene00009446	F35H8.1	131.0	193.8	68.1	0.35	-1.51	2.42E-07	6.83E-06
WBGene00007080	sfxn-1.1	490.6	661.5	319.6	0.48	-1.05	2.44E-07	6.90E-06
WBGene00007793	C28D4.5	1165.4	1591.1	739.7	0.46	-1.11	2.55E-07	7.19E-06
WBGene00044744	F10G7.12	96.2	149.0	43.4	0.29	-1.78	2.58E-07	7.29E-06
WBGene00022652	ZK84.5	210.8	313.4	108.2	0.35	-1.53	2.61E-07	7.36E-06
WBGene00006644	tsp-18	135.2	198.9	71.5	0.36	-1.48	2.67E-07	7.52E-06
WBGene00016942	C55B7.3	2137.9	2589.2	1686.7	0.65	-0.62	2.69E-07	7.56E-06
WBGene00009149	F26D2.10	889.7	1271.1	508.4	0.40	-1.32	2.75E-07	7.72E-06
WBGene00013388	Y62F5A.10	264.1	374.6	153.7	0.41	-1.29	2.75E-07	7.72E-06
WBGene00003755	nlp-17	178.4	260.1	96.7	0.37	-1.43	2.81E-07	7.88E-06
WBGene00017026	ipla-4	668.0	899.9	436.1	0.48	-1.05	2.83E-07	7.91E-06
WBGene00013452	Y67A10A.3	384.9	535.8	234.0	0.44	-1.20	2.89E-07	8.07E-06
WBGene00008854	F15D3.4	463.1	608.1	318.1	0.52	-0.93	2.92E-07	8.16E-06
WBGene00008299	C54D10.4	362.5	523.1	201.9	0.39	-1.37	2.97E-07	8.28E-06
WBGene00019431	K06A5.3	186.6	263.0	110.3	0.42	-1.25	2.98E-07	8.28E-06
WBGene00021373	Y37E11AR.7	92.2	140.2	44.1	0.31	-1.67	3.10E-07	8.58E-06
WBGene00006553	tbx-34	527.4	766.5	288.3	0.38	-1.41	3.18E-07	8.78E-06
WBGene00015089	B0252.5	1029.9	1450.6	609.2	0.42	-1.25	3.23E-07	8.93E-06
WBGene00018065	F35F11.2	161.1	231.7	90.5	0.39	-1.36	3.38E-07	9.32E-06
WBGene00013475	Y69E1A.3	279.2	381.6	176.9	0.46	-1.11	3.41E-07	9.40E-06
WBGene00010147	F56D5.2	90.0	138.6	41.4	0.30	-1.74	3.48E-07	9.58E-06
WBGene00022795	ZK686.5	80.9	126.7	35.2	0.28	-1.85	3.50E-07	9.60E-06
WBGene00003449	msp-56	5494.5	7615.5	3373.6	0.44	-1.17	3.51E-07	9.63E-06
WBGene00016356	C33F10.8	300.0	437.4	162.6	0.37	-1.43	3.55E-07	9.70E-06
WBGene00018124	F36H12.10	144.5	217.0	72.0	0.33	-1.59	3.58E-07	9.78E-06
WBGene00011619	T08G3.7	316.2	484.6	147.9	0.31	-1.71	3.71E-07	1.01E-05
WBGene00045468	F08A8.8	216.9	299.3	134.6	0.45	-1.15	3.82E-07	1.04E-05
WBGene00011027	R05D7.2	62.3	102.0	22.7	0.22	-2.17	3.90E-07	1.06E-05
WBGene00016963	C56C10.6	330.3	485.9	174.8	0.36	-1.47	3.93E-07	1.07E-05
WBGene00044777	T02B11.9	194.2	279.9	108.6	0.39	-1.37	4.05E-07	1.10E-05
WBGene00043147	nspd-6	549.6	836.1	263.0	0.31	-1.67	4.17E-07	1.12E-05
WBGene00007632	C16C10.13	104.4	157.7	51.0	0.32	-1.63	4.17E-07	1.12E-05
WBGene00007888	ttr-9	127.9	187.3	68.6	0.37	-1.45	4.19E-07	1.13E-05
WBGene00044300	D1022.9	324.0	439.0	209.1	0.48	-1.07	4.24E-07	1.14E-05
WBGene00010712	K09B11.5	383.0	527.4	238.6	0.45	-1.14	4.35E-07	1.17E-05
WBGene00194894	T05B4.14	172.1	243.9	100.3	0.41	-1.28	4.42E-07	1.19E-05
WBGene00015421	C04E6.4	93.7	146.8	40.6	0.28	-1.85	4.56E-07	1.22E-05
WBGene00021678	Y48G1C.5	699.9	984.9	414.9	0.42	-1.25	4.59E-07	1.23E-05
WBGene00255375	F08B4.8	3375.3	4579.8	2170.8	0.47	-1.08	4.67E-07	1.25E-05
WBGene00003749	nlp-11	696.0	869.4	522.6	0.60	-0.73	4.71E-07	1.26E-05
WBGene00009884	F49C12.15	12165.4	16098.2	8232.7	0.51	-0.97	4.76E-07	1.27E-05
WBGene00017393	nep-5	241.5	351.6	131.5	0.37	-1.42	4.93E-07	1.31E-05
WBGene00011669	T09F5.10	445.9	605.5	286.4	0.47	-1.08	4.95E-07	1.32E-05
WBGene00012296	spe-46	1190.0	1638.1	741.9	0.45	-1.14	5.01E-07	1.33E-05
WBGene00015386	C03B8.3	386.6	502.3	271.0	0.54	-0.89	5.04E-07	1.34E-05
WBGene00012012	T25B9.6	931.2	1312.4	550.0	0.42	-1.25	5.08E-07	1.35E-05
WBGene00016040	C24A11.1	777.6	1086.5	468.6	0.43	-1.21	5.16E-07	1.37E-05

WBGene00001456	flp-13	573.6	736.4	410.9	0.56	-0.84	5.24E-07	1.38E-05
WBGene00021817	Y53G8B.1	942.3	1165.1	719.4	0.62	-0.70	5.22E-07	1.38E-05
WBGene00012924	Y47D3A.5	155.3	222.7	88.0	0.40	-1.34	5.28E-07	1.39E-05
WBGene00014223	ZK1098.6	355.3	467.8	242.7	0.52	-0.95	5.40E-07	1.42E-05
WBGene00020940	W02D7.4	1083.2	1348.1	818.3	0.61	-0.72	5.37E-07	1.42E-05
WBGene00001754	gst-6	1449.7	1777.4	1122.0	0.63	-0.66	5.59E-07	1.47E-05
WBGene00000546	clp-6	1502.2	1984.5	1019.9	0.51	-0.96	5.66E-07	1.49E-05
WBGene00017636	F20D6.6	1009.2	1324.7	693.7	0.52	-0.93	5.70E-07	1.50E-05
WBGene00015696	C10H11.7	548.6	766.9	330.4	0.43	-1.21	5.75E-07	1.51E-05
WBGene00020377	T09B4.3	308.5	414.4	202.6	0.49	-1.03	6.06E-07	1.59E-05
WBGene00018563	F47D12.7	1835.7	2519.4	1152.0	0.46	-1.13	6.12E-07	1.60E-05
WBGene00008186	best-11	71.4	113.2	29.5	0.26	-1.94	6.22E-07	1.62E-05
WBGene00044393	ZK1248.20	76.6	119.9	33.4	0.28	-1.84	6.20E-07	1.62E-05
WBGene00016826	C50E10.2	304.4	450.4	158.4	0.35	-1.51	6.29E-07	1.63E-05
WBGene00220259	ZK418.13	375.5	492.2	258.8	0.53	-0.93	6.59E-07	1.71E-05
WBGene00019248	H27M09.5	487.5	631.8	343.2	0.54	-0.88	6.68E-07	1.73E-05
WBGene00018123	F36H12.9	160.0	231.8	88.2	0.38	-1.39	6.79E-07	1.76E-05
WBGene00175035	F54C9.14	417.0	568.8	265.1	0.47	-1.10	7.04E-07	1.82E-05
WBGene00016515	C38C3.7	88.7	137.7	39.8	0.29	-1.79	7.15E-07	1.84E-05
WBGene00001945	his-71	2609.1	3137.4	2080.8	0.66	-0.59	7.12E-07	1.84E-05
WBGene00008650	F10D11.4	133.4	202.1	64.7	0.32	-1.64	7.20E-07	1.85E-05
WBGene00016780	C49G7.1	128.7	191.2	66.3	0.35	-1.53	7.21E-07	1.85E-05
WBGene00017056	D2062.4	157.5	225.4	89.6	0.40	-1.33	7.18E-07	1.85E-05
WBGene00017700	F22D3.4	163.8	232.3	95.4	0.41	-1.28	7.32E-07	1.87E-05
WBGene00008063	C41G7.6	1466.6	2067.2	865.9	0.42	-1.26	7.31E-07	1.87E-05
WBGene00022288	Y75B7B.1	347.1	483.6	210.6	0.44	-1.20	7.29E-07	1.87E-05
WBGene00002272	lec-9	14834.9	17951.3	11718.4	0.65	-0.62	7.28E-07	1.87E-05
WBGene00008874	F15H10.7	282.3	387.7	176.8	0.46	-1.13	7.39E-07	1.88E-05
WBGene00019063	F58F12.3	440.5	594.4	286.6	0.48	-1.05	7.39E-07	1.88E-05
WBGene00016680	C45G9.9	1425.0	1908.4	941.7	0.49	-1.02	7.51E-07	1.91E-05
WBGene00015360	C02G6.2	89.4	144.2	34.5	0.24	-2.06	7.56E-07	1.92E-05
WBGene00019949	R08C7.5	592.2	813.0	371.4	0.46	-1.13	7.54E-07	1.92E-05
WBGene00012180	W01D2.3	394.5	527.2	261.8	0.50	-1.01	7.68E-07	1.95E-05
WBGene00050879	D1081.11	63.7	103.9	23.4	0.23	-2.15	7.73E-07	1.96E-05
WBGene00011425	T04B2.7	418.7	582.6	254.8	0.44	-1.19	7.77E-07	1.97E-05
WBGene00015860	C16D9.5	145.0	208.2	81.9	0.39	-1.35	7.89E-07	2.00E-05
WBGene00003468	msp-113	5367.0	7204.3	3529.7	0.49	-1.03	7.90E-07	2.00E-05
WBGene00021889	Y54G2A.24	90.2	153.3	27.1	0.18	-2.50	7.97E-07	2.01E-05
WBGene00021792	Y52D5A.1	78.1	123.1	33.2	0.27	-1.89	8.13E-07	2.05E-05
WBGene00014170	ZK945.8	30.0	53.7	6.3	0.12	-3.08	8.17E-07	2.06E-05
WBGene00012173	W01B6.6	447.3	645.0	249.6	0.39	-1.37	8.19E-07	2.06E-05
WBGene00007300	C04F12.6	67.1	107.6	26.6	0.25	-2.01	8.63E-07	2.17E-05
WBGene00017374	ttr-41	5150.4	6114.4	4186.5	0.68	-0.55	8.64E-07	2.17E-05
WBGene00004962	spe-8	554.2	771.1	337.4	0.44	-1.19	8.79E-07	2.20E-05
WBGene00016351	C33F10.1	5927.5	7965.6	3889.4	0.49	-1.03	9.05E-07	2.26E-05
WBGene00008312	C54G4.2	528.4	745.6	311.1	0.42	-1.26	9.49E-07	2.36E-05
WBGene00013476	Y69E1A.4	139.9	214.8	64.9	0.30	-1.73	9.64E-07	2.40E-05
WBGene00015097	B0273.1	1083.8	1425.3	742.2	0.52	-0.94	9.67E-07	2.40E-05
WBGene00012684	Y39B6A.25	162.8	249.2	76.3	0.31	-1.71	9.96E-07	2.47E-05
WBGene00011789	T15H9.4	61.5	99.8	23.2	0.23	-2.11	1.01E-06	2.50E-05
WBGene00009877	F49C12.7	915.2	1380.0	450.4	0.33	-1.62	1.02E-06	2.51E-05
WBGene00001424	fis-1	364.1	525.1	203.1	0.39	-1.37	1.01E-06	2.51E-05
WBGene00015230	tag-344	318.1	457.1	179.0	0.39	-1.35	1.05E-06	2.60E-05
WBGene00022632	ZC581.2	513.8	758.9	268.7	0.35	-1.50	1.06E-06	2.61E-05
WBGene00010992	R03D7.8	444.3	623.2	265.4	0.43	-1.23	1.07E-06	2.64E-05
WBGene00022596	ZC395.4	154.6	235.4	73.9	0.31	-1.67	1.10E-06	2.70E-05
WBGene00194691	ZK1098.12	105.6	157.3	53.9	0.34	-1.55	1.10E-06	2.70E-05
WBGene00016239	C30A5.4	23.0	43.9	2.1	0.05	-4.39	1.11E-06	2.71E-05
WBGene00007381	C06C6.7	425.9	619.4	232.3	0.38	-1.41	1.11E-06	2.73E-05
WBGene00004455	rpl-42	219.5	328.0	111.0	0.34	-1.56	1.15E-06	2.80E-05
WBGene00077699	C45B11.8	87.7	135.8	39.6	0.29	-1.78	1.17E-06	2.85E-05
WBGene00022887	ZK1290.5	876.9	1134.3	619.6	0.55	-0.87	1.22E-06	2.98E-05
WBGene00018068	F35H10.2	288.1	379.9	196.2	0.52	-0.95	1.24E-06	3.02E-05
WBGene00007222	C01F6.2	905.7	1255.1	556.3	0.44	-1.17	1.25E-06	3.04E-05
WBGene00194703	F26B1.8	5586.7	7497.6	3675.9	0.49	-1.03	1.25E-06	3.04E-05

WBGene00019150	H04J21.1	181.2	257.9	104.5	0.41	-1.30	1.31E-06	3.18E-05
WBGene00007415	C07E3.4	207.9	293.9	121.9	0.41	-1.27	1.33E-06	3.20E-05
WBGene00011401	T03F6.6	1086.3	1460.9	711.7	0.49	-1.04	1.33E-06	3.20E-05
WBGene00009269	F30A10.12	368.2	505.4	231.0	0.46	-1.13	1.34E-06	3.23E-05
WBGene00006645	tsp-19	114.3	172.1	56.4	0.33	-1.61	1.34E-06	3.24E-05
WBGene00020183	T03D3.5	870.2	1060.4	679.9	0.64	-0.64	1.39E-06	3.35E-05
WBGene00009125	F25H5.2	257.3	344.4	170.1	0.49	-1.02	1.41E-06	3.39E-05
WBGene00022761	ZK546.4	413.7	573.4	253.9	0.44	-1.18	1.42E-06	3.40E-05
WBGene00016181	C28C12.11	671.3	928.6	414.0	0.45	-1.17	1.45E-06	3.47E-05
WBGene00008333	C55A6.4	1506.6	1824.3	1189.0	0.65	-0.62	1.45E-06	3.48E-05
WBGene00014660	B0457.3	64.5	99.8	29.2	0.29	-1.77	1.48E-06	3.53E-05
WBGene00019568	K09D9.11	131.7	190.3	73.1	0.38	-1.38	1.48E-06	3.53E-05
WBGene00012638	Y38H8A.4	858.3	1179.1	537.5	0.46	-1.13	1.48E-06	3.53E-05
WBGene00011392	sbt-1	3489.9	4144.4	2835.5	0.68	-0.55	1.48E-06	3.53E-05
WBGene00013776	Y116A8A.6	97.7	144.8	50.5	0.35	-1.52	1.49E-06	3.55E-05
WBGene00021265	Y22D7AR.12	270.4	416.2	124.6	0.30	-1.74	1.50E-06	3.56E-05
WBGene00018497	msrp-3	213.8	293.7	134.0	0.46	-1.13	1.55E-06	3.69E-05
WBGene00006624	try-6	124.9	180.2	69.6	0.39	-1.37	1.57E-06	3.72E-05
WBGene00013979	ZK507.3	356.3	516.1	196.5	0.38	-1.39	1.61E-06	3.83E-05
WBGene00020146	got-1.2	8153.8	9715.4	6592.1	0.68	-0.56	1.63E-06	3.85E-05
WBGene00008137	sfxn-1.4	310.2	408.3	212.1	0.52	-0.95	1.64E-06	3.88E-05
WBGene00010869	M05B5.1	1086.9	1491.7	682.1	0.46	-1.13	1.65E-06	3.90E-05
WBGene00009028	F21H7.2	1217.8	1647.4	788.3	0.48	-1.06	1.66E-06	3.91E-05
WBGene00015992	C18H2.5	598.3	823.4	373.1	0.45	-1.14	1.71E-06	4.02E-05
WBGene00021472	Y39G10AR.16	1110.3	1433.1	787.4	0.55	-0.86	1.73E-06	4.06E-05
WBGene00009463	F36D1.4	269.4	402.2	136.6	0.34	-1.56	1.76E-06	4.14E-05
WBGene00001685	gpd-3	60285.3	71343.7	49226.9	0.69	-0.54	1.76E-06	4.14E-05
WBGene00195072	C16C8.22	77.7	119.9	35.5	0.30	-1.75	1.78E-06	4.17E-05
WBGene00008390	D1086.3	2174.9	2935.6	1414.2	0.48	-1.05	1.78E-06	4.17E-05
WBGene00022467	Y119C1B.1	484.8	672.0	297.5	0.44	-1.18	1.79E-06	4.19E-05
WBGene00007301	C04F12.7	9499.4	12261.1	6737.7	0.55	-0.86	1.82E-06	4.25E-05
WBGene00013987	ZK512.8	1146.3	1602.4	690.2	0.43	-1.22	1.88E-06	4.37E-05
WBGene00194674	F23D12.11	6165.2	7543.6	4786.8	0.63	-0.66	1.89E-06	4.40E-05
WBGene00015982	bgnt-1.4	98.9	148.5	49.3	0.33	-1.59	1.90E-06	4.41E-05
WBGene00020370	T08H10.3	378.3	518.8	237.8	0.46	-1.13	1.90E-06	4.41E-05
WBGene00018465	F45E1.4	933.7	1155.1	712.2	0.62	-0.70	1.92E-06	4.46E-05
WBGene00013296	Y57G11B.3	163.7	235.8	91.6	0.39	-1.36	1.95E-06	4.52E-05
WBGene00015558	C06G4.4	202.4	284.6	120.2	0.42	-1.24	1.97E-06	4.57E-05
WBGene00015796	C15F1.5	709.6	887.2	531.9	0.60	-0.74	2.01E-06	4.65E-05
WBGene00013700	Y106G6D.3	2535.8	3363.1	1708.5	0.51	-0.98	2.06E-06	4.75E-05
WBGene00020802	btb-2	288.1	440.3	136.0	0.31	-1.70	2.08E-06	4.79E-05
WBGene00007792	C28D4.4	284.1	417.3	150.9	0.36	-1.47	2.12E-06	4.87E-05
WBGene00004446	rpl-32	86602.9	101764.3	71441.5	0.70	-0.51	2.12E-06	4.88E-05
WBGene00013303	Y57G11C.5	917.9	1200.9	634.9	0.53	-0.92	2.13E-06	4.89E-05
WBGene00010883	M7.7	425.4	586.5	264.2	0.45	-1.15	2.15E-06	4.92E-05
WBGene00012642	Y39A1A.2	189.9	267.0	112.7	0.42	-1.24	2.21E-06	5.07E-05
WBGene00003562	ncr-2	584.7	743.6	425.9	0.57	-0.80	2.28E-06	5.22E-05
WBGene00004493	rps-24	91782.5	107330.8	76234.2	0.71	-0.49	2.33E-06	5.32E-05
WBGene00021160	gba-4	7821.9	10436.2	5207.6	0.50	-1.00	2.38E-06	5.42E-05
WBGene00000984	dhs-21	3453.0	4097.5	2808.5	0.69	-0.54	2.40E-06	5.45E-05
WBGene00002269	lec-6	20600.7	24717.6	16483.7	0.67	-0.58	2.42E-06	5.49E-05
WBGene00013904	ugt-6	987.2	1216.1	758.2	0.62	-0.68	2.44E-06	5.54E-05
WBGene00017213	F07E5.8	303.6	440.1	167.1	0.38	-1.40	2.46E-06	5.56E-05
WBGene00015500	C06A5.2	138.7	196.7	80.8	0.41	-1.28	2.50E-06	5.65E-05
WBGene00010874	M05D6.1	135.2	194.9	75.4	0.39	-1.37	2.52E-06	5.68E-05
WBGene00021650	Y47G6A.26	547.9	792.2	303.7	0.38	-1.38	2.55E-06	5.75E-05
WBGene00077750	W01B6.11	11.7	23.4	0.0	0.00	#NAME?	2.60E-06	5.84E-05
WBGene00001684	gpd-2	50135.2	60388.3	39882.0	0.66	-0.60	2.61E-06	5.85E-05
WBGene00044634	C29E4.14	101.8	158.7	44.8	0.28	-1.82	2.62E-06	5.88E-05
WBGene00012223	W03C9.8	124.2	183.3	65.2	0.36	-1.49	2.64E-06	5.91E-05
WBGene00012859	Y45F3A.1	586.1	757.8	414.5	0.55	-0.87	2.65E-06	5.92E-05
WBGene00016111	C25H3.1	126.8	183.9	69.7	0.38	-1.40	2.66E-06	5.94E-05
WBGene00012345	W08E3.4	309.6	423.0	196.2	0.46	-1.11	2.67E-06	5.95E-05
WBGene00011105	R07E3.4	3139.9	3730.6	2549.2	0.68	-0.55	2.67E-06	5.95E-05
WBGene00008125	C47A4.5	95.5	142.8	48.2	0.34	-1.57	2.71E-06	6.04E-05

WBGene00003742	nlp-4	250.1	350.3	150.0	0.43	-1.22	2.71E-06	6.04E-05
WBGene00017644	exc-9	578.8	729.7	427.9	0.59	-0.77	2.73E-06	6.07E-05
WBGene00012401	irld-57	61.9	97.8	26.0	0.27	-1.91	2.81E-06	6.24E-05
WBGene00044912	H38K22.7	89.4	135.2	43.7	0.32	-1.63	2.84E-06	6.30E-05
WBGene00008141	C47E8.1	154.9	234.3	75.6	0.32	-1.63	2.90E-06	6.40E-05
WBGene00021382	Y37F4.1	154.2	233.8	74.5	0.32	-1.65	2.92E-06	6.44E-05
WBGene00007692	C23H4.3	817.5	1011.0	624.0	0.62	-0.70	2.92E-06	6.44E-05
WBGene00012307	W06F12.3	174.8	254.0	95.5	0.38	-1.41	2.93E-06	6.47E-05
WBGene00012871	Y45F10B.3	157.8	221.9	93.7	0.42	-1.24	2.94E-06	6.47E-05
WBGene00019912	R06B10.1	694.5	1017.9	371.1	0.36	-1.46	3.00E-06	6.60E-05
WBGene00018127	F36H12.14	154.3	227.4	81.2	0.36	-1.49	3.02E-06	6.63E-05
WBGene00013811	Y116A8C.38	203.8	306.8	100.9	0.33	-1.60	3.02E-06	6.64E-05
WBGene00012870	Y45F10B.2	34.1	58.2	10.0	0.17	-2.54	3.06E-06	6.71E-05
WBGene00019812	R01H2.4	123.1	177.5	68.6	0.39	-1.37	3.11E-06	6.81E-05
WBGene00016587	C42C1.9	562.4	736.0	388.7	0.53	-0.92	3.14E-06	6.87E-05
WBGene00008383	D1081.5	480.0	732.7	227.3	0.31	-1.69	3.16E-06	6.90E-05
WBGene00018000	F33D11.1	34.1	59.2	9.0	0.15	-2.72	3.22E-06	7.03E-05
WBGene00019356	K03B4.6	49.4	80.6	18.2	0.23	-2.15	3.29E-06	7.16E-05
WBGene00015246	scl-23	176.3	256.9	95.7	0.37	-1.43	3.31E-06	7.19E-05
WBGene00009160	F26E4.5	581.2	777.7	384.7	0.49	-1.02	3.32E-06	7.21E-05
WBGene00020653	T21E3.2	48.2	78.3	18.2	0.23	-2.11	3.37E-06	7.32E-05
WBGene00008649	F10D11.3	134.6	189.6	79.7	0.42	-1.25	3.39E-06	7.36E-05
WBGene00012909	spds-1	2570.5	3047.2	2093.8	0.69	-0.54	3.51E-06	7.60E-05
WBGene00018502	F46F5.11	47.5	78.3	16.7	0.21	-2.23	3.60E-06	7.79E-05
WBGene00019119	F59E12.3	106.8	157.9	55.8	0.35	-1.50	3.64E-06	7.86E-05
WBGene00003463	msp-76	11481.2	15442.9	7519.4	0.49	-1.04	3.66E-06	7.89E-05
WBGene00010092	F55C5.2	342.4	529.9	154.8	0.29	-1.78	3.68E-06	7.90E-05
WBGene00044243	F16C3.4	161.4	234.4	88.4	0.38	-1.41	3.67E-06	7.90E-05
WBGene00006670	twk-16	300.1	389.9	210.4	0.54	-0.89	3.67E-06	7.90E-05
WBGene00015236	B0511.11	2537.9	3035.7	2040.2	0.67	-0.57	3.69E-06	7.93E-05
WBGene00013633	Y105C5A.8	2272.7	2725.6	1819.7	0.67	-0.58	3.76E-06	8.06E-05
WBGene00009695	F44F1.3	629.5	796.0	463.0	0.58	-0.78	3.81E-06	8.16E-05
WBGene00003426	msp-19	6346.1	8338.7	4353.4	0.52	-0.94	3.92E-06	8.35E-05
WBGene00015560	C07A12.2	69.1	103.0	35.1	0.34	-1.55	3.93E-06	8.36E-05
WBGene00017922	F29B9.7	357.3	464.0	250.5	0.54	-0.89	3.94E-06	8.37E-05
WBGene00009459	F36A2.12	366.9	518.2	215.6	0.42	-1.26	3.97E-06	8.44E-05
WBGene00010636	K07F5.8	117.3	169.6	64.9	0.38	-1.39	4.03E-06	8.55E-05
WBGene00009217	spe-45	65.8	104.6	27.0	0.26	-1.95	4.05E-06	8.59E-05
WBGene00014247	ZK1307.4	1183.7	1495.6	871.7	0.58	-0.78	4.12E-06	8.73E-05
WBGene00002212	kin-31	273.6	365.8	181.4	0.50	-1.01	4.20E-06	8.87E-05
WBGene00019929	R07C3.13	73.6	113.4	33.8	0.30	-1.75	4.29E-06	9.06E-05
WBGene00020860	nspd-10	1611.4	2250.2	972.7	0.43	-1.21	4.38E-06	9.23E-05
WBGene00001445	flp-2	226.4	296.8	156.0	0.53	-0.93	4.39E-06	9.24E-05
WBGene00001501	ftn-2	21069.2	24726.3	17412.2	0.70	-0.51	4.41E-06	9.28E-05
WBGene00014137	clec-187	1846.7	2219.1	1474.3	0.66	-0.59	4.43E-06	9.30E-05
WBGene00044434	Y18H1A.15	224.4	319.4	129.3	0.40	-1.30	4.49E-06	9.43E-05
WBGene00007848	cytb-5.1	6587.2	7751.0	5423.5	0.70	-0.52	4.53E-06	9.51E-05
WBGene00014104	ZK849.6	164.6	227.9	101.3	0.44	-1.17	4.57E-06	9.57E-05
WBGene00013854	cyc-2.2	1738.1	2262.5	1213.7	0.54	-0.90	4.62E-06	9.66E-05
WBGene00003464	msp-77	5869.9	7852.2	3887.5	0.50	-1.01	4.66E-06	9.74E-05
WBGene00006719	ubc-24	128.8	186.0	71.7	0.39	-1.38	4.67E-06	9.75E-05
WBGene00009226	cyp-37B1	174.0	251.4	96.6	0.38	-1.38	4.70E-06	9.80E-05
WBGene00014156	ZK930.6	145.9	205.9	85.9	0.42	-1.26	4.79E-06	9.97E-05
WBGene00017851	F27C1.1	8225.9	10906.2	5545.6	0.51	-0.98	4.89E-06	0.000101809
WBGene00020126	flp-26	177.6	234.6	120.7	0.51	-0.96	5.00E-06	0.00010399
WBGene00012831	Y43F8C.9	576.7	771.4	381.9	0.50	-1.01	5.09E-06	0.000105531
WBGene00011428	T04C12.3	554.0	731.4	376.6	0.51	-0.96	5.27E-06	0.000109153
WBGene00013053	Y50E8A.10	144.8	228.6	61.0	0.27	-1.91	5.35E-06	0.000110581
WBGene00015331	C02B10.6	145.6	212.4	78.8	0.37	-1.43	5.35E-06	0.000110618
WBGene00016083	C25A8.2	254.6	357.0	152.2	0.43	-1.23	5.41E-06	0.000111762
WBGene00006728	ubq-2	104926.0	122746.3	87105.7	0.71	-0.49	5.48E-06	0.000112932
WBGene00013170	Y53F4B.24	311.8	439.6	184.1	0.42	-1.26	5.55E-06	0.000114302
WBGene00018178	F38E1.3	324.1	439.7	208.5	0.47	-1.08	5.59E-06	0.000114959
WBGene00015839	math-10	78.2	121.4	34.9	0.29	-1.80	5.68E-06	0.000116626
WBGene00003746	nlp-8	588.9	721.4	456.4	0.63	-0.66	5.68E-06	0.000116626

WBGene00194715	T25E12.16	32.1	56.8	7.4	0.13	-2.93	5.73E-06	0.000117447
WBGene00003752	nlp-14	977.7	1189.7	765.7	0.64	-0.64	5.79E-06	0.000118609
WBGene00014103	best-26	167.9	242.7	93.1	0.38	-1.38	5.83E-06	0.000119279
WBGene00019260	H34I24.1	353.0	460.3	245.7	0.53	-0.91	5.84E-06	0.000119427
WBGene00021720	Y49F6B.8	491.0	737.3	244.7	0.33	-1.59	5.94E-06	0.000121244
WBGene00004422	rpl-11.1	120598.0	140127.0	101069.0	0.72	-0.47	6.11E-06	0.000124728
WBGene00003452	msp-59	10005.3	13094.6	6915.9	0.53	-0.92	6.37E-06	0.000129667
WBGene00013823	Y116F11B.7	191.4	260.6	122.1	0.47	-1.09	6.46E-06	0.000131408
WBGene00013069	Y51A2B.5	85.5	126.8	44.3	0.35	-1.52	6.55E-06	0.000133011
WBGene00044003	Y41E3.18	217.0	301.9	132.2	0.44	-1.19	6.54E-06	0.000133011
WBGene00022778	ZK616.8	261.3	353.2	169.3	0.48	-1.06	6.55E-06	0.000133011
WBGene00010289	F58H1.6	804.7	1087.9	521.4	0.48	-1.06	6.57E-06	0.00013332
WBGene00012609	Y38F1A.7	44.7	73.3	16.2	0.22	-2.18	6.64E-06	0.000134623
WBGene00010563	K04G2.4	1570.9	2078.4	1063.5	0.51	-0.97	6.71E-06	0.000135652
WBGene00007503	C09H10.9	317.8	417.2	218.4	0.52	-0.93	7.04E-06	0.000141948
WBGene00015572	C07G1.6	355.3	486.2	224.3	0.46	-1.12	7.09E-06	0.000142704
WBGene00013999	ZK550.5	2498.0	3295.0	1701.0	0.52	-0.95	7.19E-06	0.000144409
WBGene00019343	nep-18	612.4	765.2	459.7	0.60	-0.74	7.39E-06	0.000148177
WBGene00004906	snf-7	152.0	211.8	92.3	0.44	-1.20	7.41E-06	0.000148504
WBGene00022589	ZC317.6	506.5	658.7	354.2	0.54	-0.89	7.47E-06	0.000149496
WBGene00011241	mpz-5	271.0	368.9	173.0	0.47	-1.09	7.65E-06	0.000152912
WBGene00021001	W03F9.3	58.5	93.5	23.5	0.25	-1.99	7.92E-06	0.000157786
WBGene00014678	C15H7.2	41.0	68.5	13.4	0.20	-2.35	8.09E-06	0.00016064
WBGene00009271	glna-3	1534.0	1900.7	1167.4	0.61	-0.70	8.15E-06	0.000161684
WBGene00017035	D1065.3	87.6	130.4	44.8	0.34	-1.54	8.26E-06	0.000163795
WBGene00016413	C34F11.1	130.0	201.0	59.0	0.29	-1.77	8.73E-06	0.000172556
WBGene00002267	lec-4	6215.4	7266.8	5164.0	0.71	-0.49	8.74E-06	0.000172556
WBGene00001605	gln-4	88.9	141.9	36.0	0.25	-1.98	8.75E-06	0.00017279
WBGene00016912	clec-86	300.3	429.0	171.6	0.40	-1.32	8.95E-06	0.000176524
WBGene00022707	ZK354.6	697.0	966.3	427.7	0.44	-1.18	8.96E-06	0.000176577
WBGene00013198	Y54E5A.2	440.4	554.4	326.3	0.59	-0.76	9.16E-06	0.000180144
WBGene00022104	acsd-1	668.3	815.8	520.9	0.64	-0.65	9.25E-06	0.00018162
WBGene00020613	T20D4.7	128.6	185.6	71.6	0.39	-1.37	9.40E-06	0.000183596
WBGene00011351	T01H3.5	178.5	243.2	113.7	0.47	-1.10	1.00E-05	0.000194876
WBGene00013138	Y53C10A.10	963.2	1260.9	665.4	0.53	-0.92	1.00E-05	0.000194876
WBGene00009042	F22B5.4	375.8	499.3	252.3	0.51	-0.98	1.01E-05	0.000195814
WBGene00011322	irld-14	324.6	469.4	179.8	0.38	-1.38	1.01E-05	0.000196421
WBGene00009390	F35C5.1	124.6	178.0	71.2	0.40	-1.32	1.03E-05	0.000199828
WBGene00004964	spe-10	250.6	351.1	150.1	0.43	-1.23	1.03E-05	0.000200223
WBGene00013524	Y73F8A.15	147.1	206.3	88.0	0.43	-1.23	1.04E-05	0.00020027
WBGene00009489	F36G9.13	201.7	305.6	97.9	0.32	-1.64	1.04E-05	0.000201135
WBGene00007611	C15H7.4	122.4	173.5	71.3	0.41	-1.28	1.04E-05	0.000201404
WBGene00009465	F36D1.6	35.0	60.3	9.7	0.16	-2.64	1.05E-05	0.000202711
WBGene00015661	C09H5.7	277.9	392.5	163.3	0.42	-1.27	1.08E-05	0.000207268
WBGene00022535	ZC178.1	28.3	51.4	5.1	0.10	-3.33	1.08E-05	0.000207324
WBGene00003756	nlp-18	682.5	839.3	525.8	0.63	-0.67	1.09E-05	0.000209844
WBGene00013068	Y51A2B.4	94.3	137.6	51.1	0.37	-1.43	1.10E-05	0.000210204
WBGene00019081	F59A3.8	524.9	725.1	324.7	0.45	-1.16	1.10E-05	0.000210994
WBGene00001761	gst-13	4673.8	5440.9	3906.7	0.72	-0.48	1.10E-05	0.000210994
WBGene00008871	tag-314	249.4	333.6	165.2	0.50	-1.01	1.11E-05	0.000211659
WBGene00015878	C17B7.4	95.7	142.6	48.8	0.34	-1.55	1.11E-05	0.000211831
WBGene00003460	msp-71	155.6	267.4	43.8	0.16	-2.61	1.11E-05	0.000211841
WBGene00016061	hpo-15	14234.5	16435.0	12033.9	0.73	-0.45	1.13E-05	0.000214803
WBGene00017978	msrp-1	1230.8	1660.8	800.7	0.48	-1.05	1.14E-05	0.000216353
WBGene00019575	K09E3.4	39.9	66.6	13.2	0.20	-2.34	1.14E-05	0.000217113
WBGene00022562	ZC204.12	2160.8	2704.0	1617.6	0.60	-0.74	1.20E-05	0.00022732
WBGene00016177	C28C12.1	430.4	557.8	303.0	0.54	-0.88	1.24E-05	0.000233435
WBGene00004971	spe-17	104.3	172.6	36.1	0.21	-2.26	1.25E-05	0.00023559
WBGene00018352	fbxc-20	41.0	68.1	14.0	0.21	-2.29	1.26E-05	0.000237604
WBGene00019858	R03H10.6	199.8	292.3	107.3	0.37	-1.45	1.27E-05	0.000238789
WBGene00003465	msp-78	3594.2	4713.4	2474.9	0.53	-0.93	1.28E-05	0.000241024
WBGene00016461	C35E7.9	922.7	1228.5	616.9	0.50	-0.99	1.32E-05	0.000247382
WBGene00020350	T08B2.12	458.8	604.8	312.7	0.52	-0.95	1.33E-05	0.000248045
WBGene00004421	rpl-10	203167.2	234644.1	171690.3	0.73	-0.45	1.35E-05	0.000252416
WBGene00019773	M04G7.2	189.8	274.3	105.3	0.38	-1.38	1.36E-05	0.000253586

WBGene00001399	fat-7	1576.2	2118.4	1034.0	0.49	-1.03	1.41E-05	0.000262325
WBGene00022094	Y69A2AR.23	112.2	172.0	52.4	0.30	-1.71	1.41E-05	0.000262759
WBGene00010091	ssp-35	1950.1	2634.2	1266.1	0.48	-1.06	1.43E-05	0.000264964
WBGene00011171	R09E10.1	461.2	655.1	267.4	0.41	-1.29	1.44E-05	0.000267454
WBGene00009458	F36A2.11	392.5	548.9	236.1	0.43	-1.22	1.45E-05	0.00026779
WBGene00020393	T10B5.7	5530.6	6461.4	4599.9	0.71	-0.49	1.46E-05	0.000270524
WBGene00018052	F35F10.1	635.6	781.8	489.5	0.63	-0.68	1.49E-05	0.0002751
WBGene00021010	W03G1.2	316.8	468.0	165.5	0.35	-1.50	1.49E-05	0.000275702
WBGene00016877	C52D10.3	516.5	709.9	323.0	0.45	-1.14	1.51E-05	0.000278929
WBGene00019191	H12I13.2	43.8	71.1	16.6	0.23	-2.10	1.52E-05	0.000278978
WBGene00010411	H25K10.1	305.5	426.4	184.5	0.43	-1.21	1.52E-05	0.000280223
WBGene00021632	Y47D9A.5	91.4	133.5	49.3	0.37	-1.44	1.54E-05	0.000282863
WBGene00015241	B0524.2	171.1	261.1	81.1	0.31	-1.69	1.54E-05	0.000283163
WBGene00004908	snf-9	3478.4	4085.8	2871.1	0.70	-0.51	1.55E-05	0.000284023
WBGene00004494	rps-25	102377.6	122704.0	82051.3	0.67	-0.58	1.57E-05	0.000286516
WBGene00016949	C55C2.3	53.9	85.6	22.3	0.26	-1.94	1.60E-05	0.000292645
WBGene00009550	F38H4.6	202.0	288.2	115.8	0.40	-1.32	1.63E-05	0.000296196
WBGene00219570	linc-82	61.0	94.6	27.5	0.29	-1.78	1.63E-05	0.000296999
WBGene00008802	acp-2	696.6	848.0	545.2	0.64	-0.64	1.63E-05	0.000297073
WBGene00017559	mpz-3	580.7	802.0	359.4	0.45	-1.16	1.64E-05	0.000297819
WBGene00008870	F15H9.1	54.1	85.6	22.6	0.26	-1.92	1.65E-05	0.000298908
WBGene00011997	nlp-51	234.5	302.6	166.5	0.55	-0.86	1.65E-05	0.000298908
WBGene00010440	ttr-51	11671.7	13484.1	9859.3	0.73	-0.45	1.70E-05	0.000306719
WBGene00044298	T23B7.2	88.3	128.1	48.4	0.38	-1.40	1.76E-05	0.000317623
WBGene00008660	clec-153	648.9	918.1	379.6	0.41	-1.27	1.77E-05	0.00031837
WBGene00020966	W03A5.1	442.2	601.2	283.2	0.47	-1.09	1.78E-05	0.00031969
WBGene00015937	C17H12.12	3427.2	4507.5	2347.0	0.52	-0.94	1.80E-05	0.000323756
WBGene00003759	nlp-21	805.0	971.6	638.5	0.66	-0.61	1.84E-05	0.000330014
WBGene00011469	dylt-3	100.8	150.0	51.6	0.34	-1.54	1.86E-05	0.000332377
WBGene00016410	C34E10.9	152.1	211.0	93.3	0.44	-1.18	1.86E-05	0.000332377
WBGene00012302	dot-1.3	38.7	65.6	11.7	0.18	-2.49	1.88E-05	0.000335373
WBGene00010763	K10H10.7	146.6	227.7	65.4	0.29	-1.80	1.88E-05	0.000336177
WBGene00020372	T09A12.1	362.6	502.9	222.3	0.44	-1.18	1.89E-05	0.0003364
WBGene00044207	Y6G8.5	45.4	75.1	15.7	0.21	-2.26	1.89E-05	0.000336856
WBGene00010786	K12D12.4	184.6	251.1	118.1	0.47	-1.09	1.91E-05	0.000339314
WBGene00050940	C25D7.16	123.5	175.2	71.7	0.41	-1.29	1.95E-05	0.000345471
WBGene00012120	T28C6.5	269.8	377.7	161.9	0.43	-1.22	1.96E-05	0.000348023
WBGene00007631	wht-3	164.8	229.5	100.2	0.44	-1.20	2.00E-05	0.000353853
WBGene00017431	F13H6.3	3134.2	3653.6	2614.7	0.72	-0.48	2.02E-05	0.000357611
WBGene00019020	F57H12.5	431.0	569.1	293.0	0.51	-0.96	2.06E-05	0.000363329
WBGene00016389	C34B2.4	43.9	71.4	16.3	0.23	-2.13	2.06E-05	0.000363982
WBGene00013299	irld-18	244.4	353.1	135.6	0.38	-1.38	2.06E-05	0.000363982
WBGene00018083	F36A4.4	466.8	630.4	303.3	0.48	-1.06	2.07E-05	0.000364955
WBGene00003448	msp-55	3274.8	4147.4	2402.3	0.58	-0.79	2.09E-05	0.000368075
WBGene00020707	wago-10	419.3	598.6	239.9	0.40	-1.32	2.11E-05	0.000371306
WBGene00008454	E02A10.4	118.4	165.3	71.5	0.43	-1.21	2.11E-05	0.000371306
WBGene00017803	F26A1.4	97.7	148.0	47.4	0.32	-1.64	2.12E-05	0.000371995
WBGene00004988	spp-3	10711.0	12873.8	8548.1	0.66	-0.59	2.12E-05	0.000371995
WBGene00007224	C01G6.2	169.6	236.1	103.0	0.44	-1.20	2.18E-05	0.000381798
WBGene00012720	Y39E4B.11	239.3	340.6	137.9	0.40	-1.30	2.20E-05	0.000384215
WBGene00009473	F36D3.8	144.5	212.7	76.4	0.36	-1.48	2.23E-05	0.000388726
WBGene00006487	zipt-22	155.3	213.9	96.8	0.45	-1.14	2.23E-05	0.000388726
WBGene00015210	B0496.1	115.0	164.9	65.1	0.39	-1.34	2.26E-05	0.000392782
WBGene00010271	F58G1.9	84.7	124.2	45.3	0.36	-1.46	2.29E-05	0.000397495
WBGene00004973	spe-27	91.2	140.7	41.7	0.30	-1.75	2.30E-05	0.000399785
WBGene00002268	lec-5	20026.4	23161.5	16891.3	0.73	-0.46	2.37E-05	0.000410392
WBGene00016599	C42D8.1	646.4	789.6	503.1	0.64	-0.65	2.39E-05	0.000413997
WBGene00007517	gpx-3	1081.2	1343.3	819.0	0.61	-0.71	2.46E-05	0.000425021
WBGene00018143	oac-23	93.7	140.0	47.4	0.34	-1.56	2.47E-05	0.000426913
WBGene00018631	F49D11.7	65.6	99.3	32.0	0.32	-1.63	2.48E-05	0.000427904
WBGene00044250	F56G4.7	47.3	79.0	15.5	0.20	-2.35	2.49E-05	0.000428767
WBGene00017808	nspd-9	227.5	312.7	142.3	0.46	-1.14	2.51E-05	0.000431185
WBGene00235106	F08H9.15	277.6	378.7	176.6	0.47	-1.10	2.51E-05	0.000431185
WBGene00003446	msp-53	4524.4	5982.4	3066.5	0.51	-0.96	2.54E-05	0.000435279
WBGene00009129	F25H5.7	562.9	731.3	394.6	0.54	-0.89	2.54E-05	0.000435279

WBGene00008681	scrm-4	1229.9	1466.2	993.7	0.68	-0.56	2.54E-05	0.000435627
WBGene00012486	Y18D10A.21	291.5	384.9	198.1	0.51	-0.96	2.56E-05	0.000438053
WBGene00021996	Y59E9AL.6	2893.3	3808.6	1978.1	0.52	-0.95	2.56E-05	0.000438053
WBGene00007557	C14A4.6	1279.5	1518.2	1040.8	0.69	-0.54	2.57E-05	0.000438722
WBGene00017671	pgal-1	3486.0	4077.3	2894.8	0.71	-0.49	2.59E-05	0.000441887
WBGene00004026	phy-3	642.7	799.0	486.4	0.61	-0.72	2.60E-05	0.000442491
WBGene00020635	T20H4.2	230.8	326.8	134.8	0.41	-1.28	2.65E-05	0.000450366
WBGene00000115	alh-9	33621.8	38796.2	28447.4	0.73	-0.45	2.66E-05	0.000451581
WBGene00010309	rpn-6.2	2413.9	2825.6	2002.2	0.71	-0.50	2.71E-05	0.000459849
WBGene00022670	ZK177.2	48.1	75.5	20.7	0.27	-1.86	2.72E-05	0.000460862
WBGene00013710	Y106G6G.1	718.4	973.1	463.6	0.48	-1.07	2.73E-05	0.000462279
WBGene00009893	F49E11.7	286.9	375.3	198.4	0.53	-0.92	2.73E-05	0.000462989
WBGene00015685	C10G11.1	78.8	119.1	38.5	0.32	-1.63	2.75E-05	0.000465713
WBGene00018082	F36A4.3	126.5	186.0	66.9	0.36	-1.47	2.78E-05	0.000469421
WBGene00019805	R01B10.3	793.2	965.8	620.6	0.64	-0.64	2.79E-05	0.0004703
WBGene00004441	rpl-27	97495.4	114471.6	80519.3	0.70	-0.51	2.83E-05	0.000475548
WBGene00008259	C52E4.7	824.0	1116.4	531.5	0.48	-1.07	2.83E-05	0.000476
WBGene00013477	Y69E1A.5	3415.0	3957.2	2872.8	0.73	-0.46	2.87E-05	0.000481838
WBGene00044347	Y71G12B.30	540.4	714.0	366.7	0.51	-0.96	2.88E-05	0.000483553
WBGene00018811	pmt-2	79123.3	91385.3	66861.3	0.73	-0.45	2.89E-05	0.000484778
WBGene00014116	ZK858.2	2838.3	3720.9	1955.7	0.53	-0.93	2.91E-05	0.000487697
WBGene00013297	Y57G11B.5	15317.6	17646.4	12988.8	0.74	-0.44	2.91E-05	0.000487697
WBGene00008564	acox-1.1	7181.3	8362.7	5999.8	0.72	-0.48	2.98E-05	0.000497287
WBGene00020453	fbxa-55	571.7	703.8	439.6	0.62	-0.68	3.05E-05	0.000507949
WBGene00020831	T26C12.1	17025.7	19726.5	14324.9	0.73	-0.46	3.06E-05	0.000508219
WBGene00022642	lipl-5	46585.9	59799.3	33372.6	0.56	-0.84	3.14E-05	0.000521369
WBGene00013070	Y51A2B.6	149.0	204.1	93.9	0.46	-1.12	3.15E-05	0.000522744
WBGene00001633	gly-8	3695.3	4308.8	3081.8	0.72	-0.48	3.20E-05	0.000530051
WBGene00004416	rpl-5	150720.8	174630.7	126810.9	0.73	-0.46	3.28E-05	0.000542698
WBGene00008211	C49F5.7	4345.2	5207.4	3482.9	0.67	-0.58	3.30E-05	0.000543567
WBGene00007570	C14A6.6	322.4	435.3	209.6	0.48	-1.05	3.42E-05	0.000562208
WBGene00007461	C08F11.14	145.1	216.5	73.8	0.34	-1.55	3.44E-05	0.000564805
WBGene00020317	pdf-1	2017.1	2364.8	1669.3	0.71	-0.50	3.44E-05	0.000564805
WBGene00006584	tni-1	5183.8	5986.1	4381.5	0.73	-0.45	3.44E-05	0.000564805
WBGene00018168	irld-7	67.6	103.6	31.6	0.31	-1.71	3.48E-05	0.000569623
WBGene00011804	T16G12.3	6830.8	7972.8	5688.7	0.71	-0.49	3.49E-05	0.000571449
WBGene00022752	ZK484.6	128.2	187.0	69.3	0.37	-1.43	3.54E-05	0.000577267
WBGene00007559	C14A4.8	138.8	200.9	76.8	0.38	-1.39	3.54E-05	0.000577267
WBGene00021115	W09C3.8	122.2	171.8	72.6	0.42	-1.24	3.56E-05	0.00057995
WBGene00235300	T06A10.107	143.6	204.2	83.0	0.41	-1.30	3.57E-05	0.000581392
WBGene00019410	K05F1.9	1706.2	2231.1	1181.3	0.53	-0.92	3.59E-05	0.00058407
WBGene00044686	flp-28	1684.9	1983.3	1386.4	0.70	-0.52	3.62E-05	0.000588603
WBGene00022333	fbxa-27	143.3	216.5	70.1	0.32	-1.63	3.67E-05	0.000595879
WBGene00011191	R10D12.10	347.1	474.9	219.4	0.46	-1.11	3.75E-05	0.000608288
WBGene00019835	R02F2.6	68.3	102.1	34.6	0.34	-1.56	3.85E-05	0.000624185
WBGene00004492	rps-23	164251.9	188196.7	140307.1	0.75	-0.42	3.86E-05	0.000624905
WBGene00014225	ZK1098.9	91.0	136.7	45.3	0.33	-1.59	3.99E-05	0.00064436
WBGene00013548	Y75B8A.11	77.1	110.4	43.9	0.40	-1.33	3.99E-05	0.00064436
WBGene00013988	ZK512.10	102.9	145.6	60.1	0.41	-1.28	4.07E-05	0.000654801
WBGene00013148	Y53F4A.2	123.4	171.7	75.1	0.44	-1.19	4.07E-05	0.000655356
WBGene00004456	rpl-43	29953.2	36333.3	23573.1	0.65	-0.62	4.09E-05	0.000657341
WBGene00020686	T22D1.8	62.1	93.1	31.1	0.33	-1.58	4.13E-05	0.000663179
WBGene00019257	dhhc-13	225.6	311.9	139.3	0.45	-1.16	4.13E-05	0.000663179
WBGene00009043	F22B5.5	883.7	1148.7	618.8	0.54	-0.89	4.13E-05	0.000663179
WBGene00045247	F54H12.8	361.9	488.3	235.5	0.48	-1.05	4.15E-05	0.000665855
WBGene00022380	Y94H6A.8	9373.3	10815.8	7930.7	0.73	-0.45	4.17E-05	0.000667732
WBGene00016211	sdz-3	130.4	186.4	74.3	0.40	-1.33	4.20E-05	0.000672284
WBGene00012249	W04E12.4	146.0	208.8	83.2	0.40	-1.33	4.35E-05	0.000692691
WBGene00000788	cpz-1	24002.3	27650.4	20354.2	0.74	-0.44	4.39E-05	0.000698042
WBGene00000652	col-76	1948.2	2591.5	1304.8	0.50	-0.99	4.43E-05	0.000704202
WBGene00000675	col-101	109329.5	128615.0	90043.9	0.70	-0.51	4.47E-05	0.000709597
WBGene00015141	ugt-46	8479.6	9790.9	7168.3	0.73	-0.45	4.52E-05	0.000715783
WBGene00010366	H05L14.1	1923.9	2622.8	1225.1	0.47	-1.10	4.65E-05	0.00073452
WBGene00011008	R04B5.11	42.8	70.3	15.3	0.22	-2.20	4.68E-05	0.000738276
WBGene00003741	nlp-3	447.4	546.5	348.3	0.64	-0.65	4.69E-05	0.000739116

WBGene00044156	Y66C5A.1	220.7	284.1	157.4	0.55	-0.85	4.82E-05	0.000758369
WBGene00011364	T02B5.3	1167.9	1495.8	840.1	0.56	-0.83	4.84E-05	0.000762169
WBGene00007142	ttr-18	9205.8	10624.9	7786.7	0.73	-0.45	4.92E-05	0.000772651
WBGene00009413	oac-19	241.9	315.5	168.3	0.53	-0.91	4.99E-05	0.000781792
WBGene00004966	spe-12	380.8	478.7	282.9	0.59	-0.76	5.03E-05	0.000786906
WBGene00021793	Y52D5A.2	97.1	151.4	42.9	0.28	-1.82	5.09E-05	0.000795657
WBGene00018098	F36F12.7	59.6	90.2	28.9	0.32	-1.64	5.12E-05	0.000798133
WBGene00043980	F11D5.7	854.0	1174.6	533.4	0.45	-1.14	5.18E-05	0.000805878
WBGene00009942	F52F12.9	79.5	117.3	41.7	0.36	-1.49	5.19E-05	0.000807794
WBGene00018119	F36H12.3	703.4	934.5	472.3	0.51	-0.98	5.22E-05	0.000811587
WBGene00009122	tct-1	72966.7	83306.5	62626.9	0.75	-0.41	5.23E-05	0.00081289
WBGene00009973	F53C11.3	4216.0	4880.2	3551.7	0.73	-0.46	5.26E-05	0.000815767
WBGene00008010	C38D9.2	117.6	162.9	72.3	0.44	-1.17	5.31E-05	0.00082329
WBGene00018760	irg-3	935.1	1124.2	746.1	0.66	-0.59	5.52E-05	0.000853645
WBGene00012549	Y37D8A.8	128.6	176.3	80.8	0.46	-1.13	5.56E-05	0.000858514
WBGene00004435	rpl-23	107919.7	123845.2	91994.1	0.74	-0.43	5.67E-05	0.000873554
WBGene00012784	Y43C5A.4	271.6	373.8	169.3	0.45	-1.14	5.69E-05	0.000875413
WBGene00004496	rps-27	47127.1	54673.6	39580.7	0.72	-0.47	5.87E-05	0.00090149
WBGene00015371	C03A7.13	212.4	279.1	145.7	0.52	-0.94	5.91E-05	0.000906958
WBGene00007112	B0035.13	4466.2	5140.7	3791.7	0.74	-0.44	6.07E-05	0.00092837
WBGene00013032	wht-9	92.6	135.0	50.3	0.37	-1.42	6.07E-05	0.000928469
WBGene00001444	flp-1	1140.4	1353.6	927.3	0.69	-0.55	6.09E-05	0.000930957
WBGene00000966	dhs-2	632.3	775.2	489.4	0.63	-0.66	6.14E-05	0.000936937
WBGene00019459	K06H7.8	381.0	542.9	219.2	0.40	-1.31	6.18E-05	0.000942223
WBGene00015192	B0432.11	69.4	103.8	35.0	0.34	-1.57	6.23E-05	0.000948709
WBGene00194886	C05B5.12	26.1	44.3	8.0	0.18	-2.48	6.45E-05	0.00097662
WBGene00044527	Y39H10B.2	1825.3	2137.5	1513.1	0.71	-0.50	6.50E-05	0.000984379
WBGene00017250	F08D12.7	679.7	816.4	543.0	0.67	-0.59	6.59E-05	0.000995434
WBGene00021335	spp-23	1541.8	1985.6	1098.0	0.55	-0.85	6.62E-05	0.000998279
WBGene00012179	W01D2.1	54958.1	63119.7	46796.6	0.74	-0.43	6.65E-05	0.001002785
WBGene00015196	B0454.5	1193.0	1405.4	980.7	0.70	-0.52	6.74E-05	0.001013859
WBGene00017727	F22H10.3	7818.5	8984.5	6652.6	0.74	-0.43	6.77E-05	0.001017447
WBGene00020913	W01B11.1	82.0	121.2	42.8	0.35	-1.50	6.90E-05	0.001033799
WBGene00001863	him-4	28726.6	33398.3	24054.9	0.72	-0.47	6.90E-05	0.001033799
WBGene00004478	rps-9	166459.7	189849.8	143069.7	0.75	-0.41	6.97E-05	0.001043443
WBGene00015215	B0496.6	83.7	124.6	42.7	0.34	-1.54	7.02E-05	0.00104939
WBGene00004448	rpl-34	61045.6	70146.4	51944.8	0.74	-0.43	7.03E-05	0.001050334
WBGene00010989	R03D7.2	4288.8	5190.8	3386.7	0.65	-0.62	7.06E-05	0.001054163
WBGene00007998	C38C6.5	53.6	83.0	24.3	0.29	-1.77	7.08E-05	0.001055855
WBGene00005013	jmjd-1.1	385.4	515.6	255.3	0.50	-1.01	7.10E-05	0.001057424
WBGene00008423	D2045.5	313.3	414.0	212.5	0.51	-0.96	7.24E-05	0.001075749
WBGene00004412	rpl-1	109264.8	125418.6	93111.0	0.74	-0.43	7.28E-05	0.001080359
WBGene00018250	F40H3.2	1624.3	1905.3	1343.2	0.71	-0.50	7.41E-05	0.001098715
WBGene00020630	T20F7.1	3654.0	4296.0	3012.0	0.70	-0.51	7.60E-05	0.001126332
WBGene00010982	flp-32	137.2	182.4	91.9	0.50	-0.99	7.84E-05	0.001158397
WBGene00013556	Y75B8A.23	166.5	220.4	112.6	0.51	-0.97	8.01E-05	0.001177667
WBGene00044603	acbp-7	113.0	157.4	68.5	0.44	-1.20	8.06E-05	0.001183748
WBGene00011290	R102.3	122.6	187.4	57.7	0.31	-1.70	8.07E-05	0.001184868
WBGene00014168	ZK945.6	282.8	376.4	189.1	0.50	-0.99	8.10E-05	0.001187379
WBGene00007565	clec-48	5608.3	6724.2	4492.4	0.67	-0.58	8.26E-05	0.001209069
WBGene00018394	F43E2.6	185.9	274.9	96.8	0.35	-1.51	8.39E-05	0.00122608
WBGene00045399	Y47G6A.33	8187.5	9392.7	6982.2	0.74	-0.43	8.52E-05	0.001244261
WBGene00004149	trpl-5	21.9	38.9	4.9	0.13	-3.00	8.62E-05	0.001257172
WBGene00044312	K04C2.8	343.0	459.6	226.3	0.49	-1.02	8.67E-05	0.001264427
WBGene00015882	C17B7.8	133.7	190.3	77.2	0.41	-1.30	8.71E-05	0.00126948
WBGene00001450	flp-7	469.1	577.9	360.3	0.62	-0.68	8.72E-05	0.00126948
WBGene00002259	lbp-7	2051.3	2463.3	1639.3	0.67	-0.59	8.86E-05	0.001285734
WBGene00011474	aldo-1	17449.5	20030.2	14868.9	0.74	-0.43	8.88E-05	0.001286678
WBGene00022030	Y65B4A.7	93.9	138.0	49.9	0.36	-1.47	8.92E-05	0.001291331
WBGene00021110	W09C3.2	386.1	517.2	255.1	0.49	-1.02	8.97E-05	0.001299113
WBGene00009039	F22B3.8	283.2	404.9	161.4	0.40	-1.33	8.99E-05	0.001301145
WBGene00220250	C09B9.85	20.9	36.7	5.1	0.14	-2.85	9.07E-05	0.001311026
WBGene00013142	Y53C12A.7	145.6	217.0	74.3	0.34	-1.55	9.09E-05	0.001311026
WBGene00015615	fbxc-48	22.5	39.3	5.7	0.14	-2.79	9.23E-05	0.001326708
WBGene00006408	tag-18	11464.3	13151.6	9777.0	0.74	-0.43	9.24E-05	0.00132796

WBGene00012627	Y38H6C.15	194.9	264.0	125.8	0.48	-1.07	9.25E-05	0.001328274
WBGene00011936	pgrn-1	3776.5	4385.9	3167.0	0.72	-0.47	9.38E-05	0.001343824
WBGene00021448	Y39D8A.1	1463.7	1764.6	1162.8	0.66	-0.60	9.44E-05	0.001350009
WBGene00012711	Y39E4A.1	83.5	123.6	43.3	0.35	-1.51	9.54E-05	0.001360454
WBGene00006824	unc-95	2550.2	2969.4	2130.9	0.72	-0.48	9.64E-05	0.001373638
WBGene00013588	nlp-42	127.9	173.9	82.0	0.47	-1.08	9.66E-05	0.001375996
WBGene00019279	K01A2.4	492.7	606.8	378.5	0.62	-0.68	9.70E-05	0.001380375
WBGene00011405	clec-155	94.5	136.2	52.7	0.39	-1.37	9.77E-05	0.001387738
WBGene00020580	T19D12.5	327.9	448.5	207.4	0.46	-1.11	9.78E-05	0.001388336
WBGene00235288	Y69A2AR.46	19.1	34.5	3.7	0.11	-3.24	9.80E-05	0.001390193
WBGene00007639	C17D12.5	145.6	195.3	95.9	0.49	-1.03	9.93E-05	0.001408588
WBGene00008272	C53B4.2	141.2	218.3	64.1	0.29	-1.77	9.96E-05	0.001410158
WBGene00022622	ZC477.10	136.2	185.8	86.7	0.47	-1.10	0.000100611	0.001424152
WBGene00044475	F56D6.13	281.1	379.0	183.1	0.48	-1.05	0.000100893	0.001427323
WBGene00019620	fah-1	17952.6	20600.0	15305.3	0.74	-0.43	0.000103057	0.001454536
WBGene00003906	paf-1	240.9	342.1	139.6	0.41	-1.29	0.000104841	0.001477139
WBGene00010460	clec-142	204.1	264.3	143.8	0.54	-0.88	0.000104962	0.001477991
WBGene00018652	F49F1.12	66.5	103.7	29.4	0.28	-1.82	0.000105918	0.001487995
WBGene00010991	R03D7.5	173.7	235.4	112.1	0.48	-1.07	0.000106015	0.001488504
WBGene00020177	T02H6.7	196.2	258.7	133.8	0.52	-0.95	0.000106377	0.001492727
WBGene00009626	F42A8.1	14714.1	17406.5	12021.7	0.69	-0.53	0.000106621	0.001495281
WBGene00013047	Y50E8A.2	14.8	27.5	2.0	0.07	-3.76	0.000106781	0.001496658
WBGene00022298	Y76B12C.4	341.7	428.2	255.2	0.60	-0.75	0.000107213	0.001501852
WBGene00001458	flp-15	284.6	380.0	189.2	0.50	-1.01	0.000108492	0.00151577
WBGene00016530	C39D10.2	114.4	156.4	72.5	0.46	-1.11	0.000108869	0.001519777
WBGene00194839	C01B10.44	94.9	135.8	54.1	0.40	-1.33	0.000109274	0.001523687
WBGene00020369	T08H10.1	15169.7	17445.2	12894.2	0.74	-0.44	0.000109861	0.001529229
WBGene00015439	C04E12.10	96.2	136.5	55.9	0.41	-1.29	0.000110136	0.001532183
WBGene00004450	rpl-36	67602.7	77151.7	58053.7	0.75	-0.41	0.000110953	0.001541777
WBGene00001819	haf-9	8523.8	9966.3	7081.4	0.71	-0.49	0.000111992	0.001554444
WBGene00004426	rpl-14	97937.3	113219.6	82655.0	0.73	-0.45	0.00011225	0.001556244
WBGene00206357	C09D4.9	121.9	168.3	75.5	0.45	-1.16	0.000112427	0.00155781
WBGene00010902	M79.2	1634.1	1916.4	1351.9	0.71	-0.50	0.000112762	0.001560674
WBGene00019062	F58F12.2	49.2	76.9	21.4	0.28	-1.84	0.000113044	0.001562025
WBGene00013094	Y51H1A.3	12068.9	14038.5	10099.3	0.72	-0.48	0.000113053	0.001562025
WBGene00007516	gpx-5	7009.4	8009.8	6009.0	0.75	-0.41	0.000113553	0.001568045
WBGene00008651	F10D11.5	403.3	534.2	272.3	0.51	-0.97	0.000114077	0.001573486
WBGene00015497	nhr-76	1867.2	2187.2	1547.2	0.71	-0.50	0.00011492	0.001583313
WBGene00045095	mrpr-1	15.6	29.8	1.5	0.05	-4.32	0.000115547	0.001591054
WBGene00189952	K10D2.8	351.0	468.5	233.5	0.50	-1.00	0.000116298	0.001600478
WBGene00004875	smd-1	28976.0	33122.4	24829.7	0.75	-0.42	0.000117146	0.00161032
WBGene00009562	flp-22	798.2	959.1	637.2	0.66	-0.59	0.000117405	0.001612976
WBGene00022144	pghm-1	2213.2	2563.6	1862.8	0.73	-0.46	0.000118354	0.001624168
WBGene00021114	W09C3.7	2625.4	3053.5	2197.2	0.72	-0.47	0.00011936	0.001634278
WBGene00015006	B0041.1	66.4	99.4	33.5	0.34	-1.57	0.00012322	0.001681437
WBGene00009215	thn-2	2467.9	3553.0	1382.8	0.39	-1.36	0.000123219	0.001681437
WBGene00004987	spp-2	608.7	915.0	302.4	0.33	-1.60	0.000124255	0.001694612
WBGene00015345	C02F5.2	246.5	316.8	176.2	0.56	-0.85	0.000125754	0.00171217
WBGene00002216	klp-3	2832.1	3286.5	2377.7	0.72	-0.47	0.000126081	0.001714702
WBGene00022699	ZK353.3	80.6	116.0	45.1	0.39	-1.36	0.000129673	0.001761582
WBGene00017545	F18A1.1	144.8	206.8	82.9	0.40	-1.32	0.000130544	0.001769835
WBGene00000784	cpr-4	10484.7	13516.1	7453.3	0.55	-0.86	0.000130661	0.00177005
WBGene00044476	F56D6.14	45.5	70.4	20.6	0.29	-1.78	0.00013109	0.001774864
WBGene00015050	clec-51	2291.7	2686.4	1896.9	0.71	-0.50	0.000131189	0.001775224
WBGene00004480	rps-11	130084.6	149089.1	111080.1	0.75	-0.42	0.000131355	0.001776472
WBGene00015970	C18E3.1	194.7	254.8	134.7	0.53	-0.92	0.000131735	0.001780623
WBGene00015287	osta-1	179.6	239.4	119.8	0.50	-1.00	0.000134131	0.001809991
WBGene00012388	Y6B3B.3	33.0	53.2	12.8	0.24	-2.05	0.000134326	0.00181161
WBGene00003462	msp-74	20.1	35.4	4.7	0.13	-2.90	0.000135615	0.001826967
WBGene00008994	F21A3.4	67.2	107.7	26.7	0.25	-2.01	0.000135902	0.001828802
WBGene00004415	rpl-4	236675.7	270903.9	202447.4	0.75	-0.42	0.000135902	0.001828802
WBGene00019656	slc-25A10	7680.7	8805.4	6556.1	0.74	-0.43	0.000136066	0.001829997
WBGene00001394	fat-2	70544.8	80518.9	60570.8	0.75	-0.41	0.000137065	0.001841391
WBGene00008332	C55A6.3	460.4	562.2	358.5	0.64	-0.65	0.00014085	0.001889107
WBGene00003466	msp-79	2480.3	3129.4	1831.2	0.59	-0.77	0.000143067	0.001915561

WBGene00013480	egas-3	218.3	274.9	161.7	0.59	-0.77	0.000143138	0.001915561
WBGene00020416	T10E9.6	98.4	136.6	60.2	0.44	-1.18	0.000143353	0.001917378
WBGene00022700	ZK353.4	254.4	345.4	163.4	0.47	-1.08	0.000143594	0.001919544
WBGene00019980	chil-14	143.1	199.2	87.1	0.44	-1.19	0.000143943	0.001923153
WBGene00005002	spp-17	21507.3	25822.4	17192.1	0.67	-0.59	0.000144882	0.001930057
WBGene00077693	T04C12.11	1490.5	1743.7	1237.2	0.71	-0.50	0.000146222	0.001946096
WBGene00011369	T02C12.4	63.6	100.6	26.7	0.27	-1.91	0.000147235	0.001957431
WBGene00004436	rpl-24.1	135179.6	153921.0	116438.1	0.76	-0.40	0.000147454	0.001958199
WBGene00017979	F32B5.6	4272.5	4908.0	3636.9	0.74	-0.43	0.000148425	0.001970026
WBGene00011178	R09E10.9	44.9	76.1	13.7	0.18	-2.48	0.000149018	0.001975728
WBGene00020847	cgr-1	2709.1	3152.2	2266.0	0.72	-0.48	0.000151096	0.002000003
WBGene00013747	spe-19	83.5	121.0	46.0	0.38	-1.39	0.000151541	0.00200371
WBGene00000112	alh-6	22050.0	25203.3	18896.6	0.75	-0.42	0.000151486	0.00200371
WBGene00008914	F17C11.2	552.1	666.2	438.0	0.66	-0.61	0.000153294	0.002024682
WBGene00022683	ZK185.3	1348.4	1564.2	1132.5	0.72	-0.47	0.000154188	0.002035388
WBGene00021428	Y38F2AR.10	267.9	354.3	181.5	0.51	-0.97	0.000154801	0.002041254
WBGene00007963	cyp-25A1	760.9	1171.6	350.2	0.30	-1.74	0.000158284	0.002082659
WBGene00019135	math-32	116.3	163.0	69.5	0.43	-1.23	0.000160234	0.002107172
WBGene00006040	ssp-11	144.7	195.9	93.6	0.48	-1.07	0.000161268	0.002119618
WBGene00004410	rla-2	26835.9	33356.3	20315.5	0.61	-0.72	0.000161903	0.002126818
WBGene00012721	Y39E4B.13	80.2	116.9	43.6	0.37	-1.42	0.000162123	0.002127398
WBGene00019190	H12I13.1	88.1	127.3	48.8	0.38	-1.38	0.000162398	0.002129867
WBGene00022008	Y59H11AM.4	139.8	189.0	90.6	0.48	-1.06	0.000164004	0.002148164
WBGene00011055	arrd-14	1132.0	1332.4	931.6	0.70	-0.52	0.000164192	0.002148741
WBGene00016657	C44E12.1	657.6	785.5	529.7	0.67	-0.57	0.000164837	0.00215486
WBGene00007533	cbl-1	10435.6	11913.4	8957.7	0.75	-0.41	0.000165577	0.002162213
WBGene00018839	F54H5.2	216.7	293.6	139.8	0.48	-1.07	0.000168064	0.00219351
WBGene00009738	hecw-1	476.0	603.7	348.3	0.58	-0.79	0.00017076	0.002227045
WBGene00019084	F59A6.2	186.8	272.3	101.4	0.37	-1.43	0.000171489	0.002232205
WBGene00015044	cyp-34A9	140.6	202.9	78.2	0.39	-1.38	0.000172763	0.002246386
WBGene00019913	R06B10.2	292.6	381.4	203.9	0.53	-0.90	0.000173471	0.00225438
WBGene00008935	F18C12.4	78.0	115.1	40.8	0.35	-1.50	0.00017404	0.002260567
WBGene00021350	Y37E3.8	132531.0	150343.2	114718.7	0.76	-0.39	0.000174245	0.002262016
WBGene00013435	Y66D12A.9	8214.8	9355.3	7074.4	0.76	-0.40	0.000174425	0.002263148
WBGene00015305	C01G5.3	188.8	270.9	106.7	0.39	-1.34	0.000175709	0.00227615
WBGene00020471	pho-14	5237.2	6002.6	4471.7	0.74	-0.42	0.000176683	0.002286331
WBGene00018318	F41H10.5	190.3	252.8	127.8	0.51	-0.98	0.000181578	0.00234592
WBGene00004157	pqn-75	835.4	1021.6	649.1	0.64	-0.65	0.000185848	0.002395985
WBGene00007214	C01A2.2	387.5	477.0	298.0	0.62	-0.68	0.000186723	0.002405985
WBGene00007378	C06C3.8	224.1	288.9	159.4	0.55	-0.86	0.000186939	0.002407499
WBGene00019783	M70.1	609.2	757.5	460.9	0.61	-0.72	0.000187521	0.002412438
WBGene00004497	rps-28	26897.1	32069.1	21725.0	0.68	-0.56	0.000187974	0.002416982
WBGene00007489	C09G5.7	434.6	529.7	339.4	0.64	-0.64	0.0001892	0.002428813
WBGene00009670	F43G9.8	136.2	201.4	70.9	0.35	-1.51	0.000189426	0.002429217
WBGene00011749	ssp-36	80.6	115.5	45.7	0.40	-1.34	0.000191085	0.002449203
WBGene00002271	lec-8	9558.3	12068.2	7048.4	0.58	-0.78	0.000191512	0.002453379
WBGene00004495	rps-26	74577.2	85554.0	63600.5	0.74	-0.43	0.000191966	0.002457898
WBGene00003934	pat-10	86133.1	97486.7	74779.6	0.77	-0.38	0.000193229	0.002470157
WBGene00009549	F38H4.5	324.7	405.2	244.2	0.60	-0.73	0.000196779	0.002511576
WBGene00020526	T15B7.14	197.4	254.5	140.3	0.55	-0.86	0.00019725	0.00251626
WBGene00044392	C25H3.16	38.3	61.2	15.4	0.25	-1.99	0.000197718	0.002520904
WBGene00010906	M88.3	709.6	940.1	479.1	0.51	-0.97	0.000198399	0.002528256
WBGene00011472	T05C12.9	71.9	106.7	37.2	0.35	-1.52	0.000201843	0.002570799
WBGene00004483	rps-14	132733.0	151066.2	114399.8	0.76	-0.40	0.000204328	0.002599725
WBGene00022890	fbxa-224	151.8	212.5	91.1	0.43	-1.22	0.00020449	0.002600421
WBGene00007320	C05B5.2	3021.5	3911.1	2131.9	0.55	-0.88	0.000207443	0.002635206
WBGene00013826	Y116F11B.10	724.7	896.9	552.4	0.62	-0.70	0.000208096	0.002640745
WBGene00004472	rps-3	183863.7	209099.5	158627.9	0.76	-0.40	0.000208847	0.002648343
WBGene00009840	fbxa-189	582.1	737.0	427.1	0.58	-0.79	0.00020952	0.00265465
WBGene00014246	ZK1307.3	215.5	287.8	143.2	0.50	-1.01	0.000210777	0.002666396
WBGene00008821	best-12	162.5	218.2	106.7	0.49	-1.03	0.000214391	0.002699453
WBGene00008626	F09E8.8	98.7	133.9	63.6	0.48	-1.07	0.000216373	0.002721593
WBGene00009449	F35H8.4	285.9	381.4	190.4	0.50	-1.00	0.000216747	0.002723489
WBGene00020380	T09B4.6	66.1	97.4	34.8	0.36	-1.48	0.000218064	0.002738605
WBGene00194788	R02D5.10	60.5	88.9	32.2	0.36	-1.47	0.000218581	0.002743208

WBGene00017780	F25E2.2	9745.6	11109.1	8382.1	0.75	-0.41	0.000219487	0.002752206
WBGene00010456	K01C8.1	12680.4	14456.4	10904.4	0.75	-0.41	0.000220552	0.002762705
WBGene00002100	ins-17	418.9	507.2	330.5	0.65	-0.62	0.000224191	0.002803951
WBGene00010381	H12D21.5	133.7	180.8	86.6	0.48	-1.06	0.00022476	0.002809612
WBGene00018519	F46H5.3	193305.2	219878.6	166731.7	0.76	-0.40	0.000225191	0.002813216
WBGene00017673	icmt-1	361.1	509.2	212.9	0.42	-1.26	0.000229245	0.002859784
WBGene00020532	math-42	52.5	78.0	27.0	0.35	-1.53	0.000231504	0.00288352
WBGene00009531	F38B2.4	4020.8	4561.9	3479.7	0.76	-0.39	0.00023233	0.00288984
WBGene00013523	Y73F8A.14	188.6	255.2	121.9	0.48	-1.07	0.000235715	0.002929965
WBGene00219423	C23H5.15	285.3	377.0	193.7	0.51	-0.96	0.000237043	0.002941947
WBGene00020954	W02G9.4	1284.9	1494.3	1075.5	0.72	-0.47	0.000237701	0.002948604
WBGene00012149	VF13D12L.3	16003.0	18171.5	13834.6	0.76	-0.39	0.000238028	0.002951153
WBGene00011853	clec-40	35.6	55.6	15.6	0.28	-1.83	0.000239428	0.002963974
WBGene00003458	msp-65	1735.4	2249.4	1221.4	0.54	-0.88	0.00024308	0.003004593
WBGene00004454	rpl-36.A	91066.5	105900.9	76232.2	0.72	-0.47	0.000242965	0.003004593
WBGene00044007	ZK1320.13	519.2	624.6	413.7	0.66	-0.59	0.000245354	0.003029616
WBGene00015469	C05D2.8	5976.5	6937.3	5015.7	0.72	-0.47	0.000246112	0.003037426
WBGene00013801	Y116A8C.24	175.3	235.2	115.4	0.49	-1.03	0.000249228	0.003069639
WBGene00015026	B0207.1	354.3	519.0	189.6	0.37	-1.45	0.000255332	0.003127363
WBGene00016183	C28F5.1	44.5	69.4	19.6	0.28	-1.83	0.000256668	0.003138978
WBGene00044127	BE10.5	64.1	95.1	33.0	0.35	-1.53	0.000256605	0.003138978
WBGene00012834	Y43F8C.13	4176.7	4808.6	3544.7	0.74	-0.44	0.000261448	0.003187807
WBGene00000136	amt-4	5592.4	6523.4	4661.3	0.71	-0.48	0.000263502	0.003211233
WBGene00004440	rpl-26	71229.3	80903.5	61555.0	0.76	-0.39	0.000265161	0.003228205
WBGene00011129	R07H5.9	165.2	227.4	102.9	0.45	-1.14	0.000267632	0.003253399
WBGene00004424	rpl-12	132826.3	150507.0	115145.5	0.77	-0.39	0.000274275	0.003327485
WBGene00004408	rla-0	340550.7	387315.6	293785.8	0.76	-0.40	0.000281742	0.003407854
WBGene00013611	Y102A5C.2	1133.2	1307.5	958.8	0.73	-0.45	0.000283381	0.003422565
WBGene00007536	daf-36	2497.0	2872.6	2121.5	0.74	-0.44	0.000285952	0.003448471
WBGene00016320	C32E8.1	52.8	77.4	28.2	0.36	-1.46	0.000286449	0.003452754
WBGene00002258	lbp-6	26538.8	29956.3	23121.2	0.77	-0.37	0.00028906	0.003482495
WBGene00010516	K02E11.7	208.8	262.9	154.8	0.59	-0.76	0.000291296	0.003505945
WBGene00004176	pqn-97	7.8	15.6	0.0	0.00	#NAME?	0.000291647	0.003508436
WBGene00018895	F55F8.7	718.0	958.7	477.2	0.50	-1.01	0.000292317	0.003514753
WBGene00014032	ZK637.15	34.2	54.8	13.6	0.25	-2.00	0.000293596	0.003528387
WBGene00044909	C48D1.7	29.3	48.1	10.5	0.22	-2.20	0.000294372	0.003530719
WBGene00017659	F21C10.10	1444.6	1752.7	1136.5	0.65	-0.62	0.000295271	0.003539754
WBGene00000670	col-95	7364.0	9511.1	5217.0	0.55	-0.87	0.00029987	0.003589572
WBGene00013484	Y69H2.9	306.9	379.4	234.4	0.62	-0.70	0.00030159	0.003606596
WBGene00235297	F56D6.20	122.6	166.6	78.6	0.47	-1.08	0.000304514	0.003630835
WBGene00004499	rps-30	73368.3	82991.2	63745.4	0.77	-0.38	0.000306318	0.00364697
WBGene00003450	msp-57	6534.8	8186.9	4882.7	0.60	-0.75	0.000308654	0.003672983
WBGene00017833	F26F12.2	36.2	56.9	15.6	0.27	-1.86	0.00030923	0.003676229
WBGene00194697	F59A3.13	68.8	100.8	36.9	0.37	-1.45	0.000312678	0.003711767
WBGene00016717	math-22	1340.2	1553.7	1126.7	0.73	-0.46	0.000312644	0.003711767
WBGene00020984	W03D8.1	157.4	221.9	92.9	0.42	-1.26	0.000318709	0.003777204
WBGene00019208	lips-14	385.2	496.2	274.2	0.55	-0.86	0.000318812	0.003777204
WBGene00016760	C49A9.6	1651.1	1896.3	1405.9	0.74	-0.43	0.000319533	0.003782048
WBGene00008594	clec-57	1336.0	1618.9	1053.2	0.65	-0.62	0.000321617	0.003801157
WBGene00004432	rpl-20	118766.1	134993.4	102538.9	0.76	-0.40	0.000321993	0.003803751
WBGene00001428	fkb-3	2011.1	2333.1	1689.1	0.72	-0.47	0.000329742	0.003883948
WBGene00000210	asg-2	12272.2	14203.9	10340.6	0.73	-0.46	0.000331313	0.003900563
WBGene00018087	F36D4.1	177.2	235.0	119.4	0.51	-0.98	0.000331931	0.003905936
WBGene00010086	F55B11.4	2004.8	2424.9	1584.7	0.65	-0.61	0.000332401	0.003909581
WBGene00003739	nlp-1	350.3	434.8	265.7	0.61	-0.71	0.000333723	0.003917637
WBGene00019937	R07E4.3	1840.7	2152.9	1528.5	0.71	-0.49	0.000334055	0.003917637
WBGene00016950	C55C2.4	55.8	84.7	27.0	0.32	-1.65	0.000334395	0.003919171
WBGene00004489	rps-20	114405.7	129439.7	99371.6	0.77	-0.38	0.000334508	0.003919171
WBGene00013439	Y66D12A.13	740.5	944.8	536.2	0.57	-0.82	0.000335237	0.003923924
WBGene00013037	Y49E10.18	3205.6	3912.8	2498.5	0.64	-0.65	0.000335619	0.003926503
WBGene00022834	ZK973.8	572.5	689.1	456.0	0.66	-0.60	0.000337322	0.003944526
WBGene00013882	msa-1	2050.9	2362.8	1738.9	0.74	-0.44	0.000338529	0.003956735
WBGene00004487	rps-18	131977.2	149364.9	114589.5	0.77	-0.38	0.000339996	0.003971964
WBGene00007392	fbxa-156	380.6	481.0	280.3	0.58	-0.78	0.000340433	0.003973242
WBGene00000256	bli-6	5261.8	6699.1	3824.4	0.57	-0.81	0.000341894	0.003986466

WBGene00017384	F11G11.4	467.4	626.7	308.0	0.49	-1.02	0.000343121	0.003997077
WBGene00022260	Y73C8B.3	1983.5	2293.1	1674.0	0.73	-0.45	0.000343133	0.003997077
WBGene00000248	ben-1	5203.9	5936.2	4471.6	0.75	-0.41	0.000344377	0.004009641
WBGene00000991	dhs-28	13091.7	14918.1	11265.2	0.76	-0.41	0.000344801	0.004012646
WBGene00019977	fpn-1.2	1167.2	1463.8	870.6	0.59	-0.75	0.000345751	0.004021784
WBGene00009605	F40G12.10	1035.6	1336.1	735.0	0.55	-0.86	0.000347029	0.00403471
WBGene00019837	R02F2.8	1349.0	1564.8	1133.1	0.72	-0.47	0.000348966	0.004050821
WBGene00008949	F19B6.3	112.8	152.3	73.4	0.48	-1.05	0.000350021	0.004055283
WBGene00007973	C36B1.6	264.7	324.5	204.9	0.63	-0.66	0.000350528	0.004055283
WBGene00007756	C27A7.5	9999.8	11348.4	8651.2	0.76	-0.39	0.000350141	0.004055283
WBGene00077682	F58B4.7	71.1	103.9	38.4	0.37	-1.44	0.00035152	0.004061633
WBGene00010239	F58B4.6	190.1	243.9	136.2	0.56	-0.84	0.00035362	0.004076199
WBGene00004427	rpl-15	138539.4	157003.4	120075.5	0.76	-0.39	0.000353326	0.004076199
WBGene00008381	D1081.3	67.9	98.0	37.8	0.39	-1.37	0.00036956	0.004231805
WBGene00014241	ZK1251.3	91.5	130.1	53.0	0.41	-1.30	0.000374002	0.004276628
WBGene00004488	rps-19	92472.0	104391.5	80552.5	0.77	-0.37	0.000374276	0.004277738
WBGene00044896	K12C11.5	71.5	102.0	40.9	0.40	-1.32	0.000375202	0.004286308
WBGene00004484	rps-15	114070.7	128561.9	99579.4	0.77	-0.37	0.000376477	0.004296825
WBGene00020656	T21E12.5	31.6	52.1	11.2	0.21	-2.22	0.000378432	0.004317113
WBGene00017172	F02C9.1	27.3	45.0	9.6	0.21	-2.23	0.000383311	0.004370717
WBGene00019405	K05F1.1	271.7	344.1	199.3	0.58	-0.79	0.000383956	0.004376015
WBGene00010556	rack-1	232405.1	264735.8	200074.5	0.76	-0.40	0.000384293	0.004377805
WBGene00007597	C15A11.2	303.3	402.5	204.1	0.51	-0.98	0.000385941	0.004392449
WBGene00018498	F46F5.7	75.9	109.8	42.1	0.38	-1.38	0.00039565	0.0044923
WBGene00219322	C33C12.12	74.7	102.9	46.6	0.45	-1.14	0.000395875	0.0044923
WBGene00018284	F41E6.1	36.6	61.8	11.5	0.19	-2.43	0.00040157	0.004551128
WBGene00020978	W03B1.9	100.2	137.9	62.5	0.45	-1.14	0.000403175	0.004565051
WBGene00016885	fbxb-97	328.3	427.8	228.7	0.53	-0.90	0.000405315	0.004585003
WBGene00206372	B0454.26	58.0	83.7	32.4	0.39	-1.37	0.000410709	0.004639544
WBGene00009702	F44F4.3	125.2	174.3	76.1	0.44	-1.20	0.000412417	0.004656667
WBGene00013713	Y106G6G.4	3771.3	4749.1	2793.5	0.59	-0.77	0.000417896	0.004710041
WBGene00044272	nspa-4	126.6	188.9	64.2	0.34	-1.56	0.000423149	0.004764547
WBGene00013036	fbxa-218	204.3	262.5	146.1	0.56	-0.84	0.00042512	0.004784519
WBGene00050916	F55F10.3	81.6	113.9	49.4	0.43	-1.21	0.000425663	0.004788418
WBGene00020192	T03F1.11	714.4	855.4	573.4	0.67	-0.58	0.000428976	0.004821216
WBGene00004482	rps-13	82767.9	93303.9	72232.0	0.77	-0.37	0.000437122	0.004899161
WBGene00017392	basl-2	80.7	119.8	41.6	0.35	-1.53	0.000437802	0.00490225
WBGene00010623	K07A12.5	890.1	1120.5	659.8	0.59	-0.76	0.000439044	0.004909366
WBGene00009192	asah-2	5883.1	6793.8	4972.4	0.73	-0.45	0.000438816	0.004909366
WBGene00000535	cpi-1	8712.9	9808.5	7617.4	0.78	-0.36	0.000439328	0.004910274
WBGene00022110	Y71F9AL.4	1002.5	1165.0	840.0	0.72	-0.47	0.000440017	0.00491572
WBGene00011414	T04A8.13	167.8	226.6	109.0	0.48	-1.06	0.000440489	0.004918727
WBGene00015828	math-14	638.6	882.5	394.8	0.45	-1.16	0.000443251	0.004945019
WBGene00012404	Y6G8.2	1033.9	1528.0	539.9	0.35	-1.50	0.000447131	0.004983724
WBGene00000556	cnc-2	5.1	9.5	0.7	0.08	-3.72	0.00044786	0.004987275
WBGene00021154	Y4C6A.4	139.0	186.1	92.0	0.49	-1.02	0.000448911	0.004992099
WBGene00185006	F59B2.15	55.8	86.5	25.2	0.29	-1.78	0.000450071	0.004995852
WBGene00001890	his-16	9.5	18.0	1.0	0.05	-4.19	0.000451022	0.004999544
WBGene00012946	Y47H9B.2	307.5	403.5	211.5	0.52	-0.93	0.000452568	0.005014401
WBGene00044015	K06A4.8	165.4	222.9	108.0	0.48	-1.04	0.000454048	0.005026203
WBGene00016246	daf-37	308.1	387.7	228.5	0.59	-0.76	0.000472778	0.005216888
WBGene00016890	lst-5	770.8	908.2	633.4	0.70	-0.52	0.000477202	0.005253762
WBGene00003444	msp-51	5674.2	7114.9	4233.4	0.60	-0.75	0.000478556	0.005266284
WBGene00013116	Y51H4A.22	75.4	112.8	38.0	0.34	-1.57	0.000482101	0.00529569
WBGene00011200	R10E4.3	152.3	207.4	97.2	0.47	-1.09	0.000492854	0.00539661
WBGene00022155	Y71G12B.17	485.6	654.2	316.9	0.48	-1.05	0.000495894	0.005422671
WBGene00019189	H11L12.1	1565.3	2014.4	1116.3	0.55	-0.85	0.000499441	0.005454865
WBGene00011269	R17.3	1595.3	1862.7	1327.9	0.71	-0.49	0.000500577	0.005464036
WBGene00007827	nlp-54	93.2	127.2	59.3	0.47	-1.10	0.000501495	0.005469133
WBGene00021489	Y40B10A.4	45.5	71.4	19.5	0.27	-1.87	0.000505136	0.005503894
WBGene00007402	ugt-60	1571.2	1803.1	1339.3	0.74	-0.43	0.000505662	0.005507151
WBGene00013175	Y53F4B.36	113.7	153.8	73.6	0.48	-1.06	0.000506394	0.005512653
WBGene00020986	W03D8.3	107.0	153.1	60.9	0.40	-1.33	0.000515168	0.005598129
WBGene00012231	W04A4.2	2061.6	2359.9	1763.3	0.75	-0.42	0.000517977	0.005626129
WBGene00006661	twk-6	71.7	107.7	35.7	0.33	-1.59	0.000519385	0.00563387

WBGene00009005	F21C3.6	136.8	179.8	93.8	0.52	-0.94	0.000523725	0.005660703
WBGene00012107	T27F6.8	337.3	412.9	261.7	0.63	-0.66	0.000523628	0.005660703
WBGene00007863	C32C4.3	159.1	216.4	101.7	0.47	-1.09	0.000527641	0.005690367
WBGene00011181	R09H10.3	2464.4	2966.0	1962.8	0.66	-0.60	0.000531052	0.005724609
WBGene00012812	Y43F8B.1	9950.4	11296.9	8603.8	0.76	-0.39	0.000532173	0.005731599
WBGene00008832	obr-2	2472.4	2886.8	2058.1	0.71	-0.49	0.000543199	0.00583224
WBGene00015298	C01F1.3	1455.2	1669.1	1241.3	0.74	-0.43	0.000543106	0.00583224
WBGene00001776	gst-28	2314.5	2653.6	1975.3	0.74	-0.43	0.000544396	0.005842512
WBGene00020202	T04A6.3	78.5	109.6	47.4	0.43	-1.21	0.00054654	0.00586293
WBGene00043053	F47H4.12	175.8	239.4	112.1	0.47	-1.10	0.00054856	0.005876803
WBGene00000713	col-140	314313.9	355640.1	272987.7	0.77	-0.38	0.000550899	0.005899259
WBGene00006897	ver-4	648.7	827.9	469.6	0.57	-0.82	0.000553714	0.005924174
WBGene00195145	ZK666.15	6.1	12.3	0.0	0.00	#NAME?	0.000555209	0.005937552
WBGene00008214	gem-1	1621.9	1881.3	1362.4	0.72	-0.47	0.000558345	0.005965833
WBGene00003614	nhr-15	224.5	280.5	168.5	0.60	-0.74	0.000563494	0.006010274
WBGene00008820	nlp-55	305.8	377.3	234.4	0.62	-0.69	0.000563094	0.006010274
WBGene00235313	C25E10.17	47.9	71.8	24.0	0.33	-1.58	0.000565086	0.006021964
WBGene00017231	F07G11.4	19.0	33.2	4.8	0.14	-2.80	0.000565861	0.006027575
WBGene00011900	T21C12.4	82.0	112.4	51.6	0.46	-1.12	0.000572556	0.006090872
WBGene00008347	C56G7.2	98.4	137.0	59.8	0.44	-1.20	0.000573888	0.006102368
WBGene00013077	ttr-24	4190.9	4744.3	3637.6	0.77	-0.38	0.000578639	0.006144808
WBGene00020651	T21D12.12	2092.4	2397.2	1787.7	0.75	-0.42	0.000581577	0.006170614
WBGene00020359	math-40	483.0	586.2	379.8	0.65	-0.63	0.00058238	0.006171843
WBGene00019477	K07C11.4	1251.7	1456.6	1046.8	0.72	-0.48	0.000582456	0.006171843
WBGene00045060	F55B11.7	155.3	201.4	109.2	0.54	-0.88	0.00058296	0.006174487
WBGene00235369	K08D10.18	34.8	60.2	9.5	0.16	-2.66	0.000583452	0.006177011
WBGene00007740	C26C6.6	115.7	170.2	61.2	0.36	-1.48	0.000585962	0.006200879
WBGene00007257	C01H6.8	662.4	798.6	526.1	0.66	-0.60	0.000596461	0.006295512
WBGene00000114	alh-8	152051.0	172159.0	131942.9	0.77	-0.38	0.000597661	0.006302704
WBGene00014805	K08H10.5	21.7	37.3	6.1	0.16	-2.61	0.000608568	0.006389965
WBGene00044216	C47E8.10	69.4	111.1	27.7	0.25	-2.01	0.000614774	0.006443978
WBGene00020258	T05E7.1	2160.3	3083.6	1237.1	0.40	-1.32	0.000615975	0.006453786
WBGene00044501	C55C3.8	55.3	79.9	30.8	0.39	-1.38	0.00062604	0.00653667
WBGene00001172	egl-3	7754.6	8771.2	6738.1	0.77	-0.38	0.000625956	0.00653667
WBGene00194787	T16G1.13	178.1	269.6	86.5	0.32	-1.64	0.000630962	0.006582395
WBGene00000021	abt-3	94.2	126.2	62.2	0.49	-1.02	0.000631365	0.00658377
WBGene00000929	dao-3	1666.0	1926.4	1405.6	0.73	-0.45	0.000635484	0.00662103
WBGene00016705	C46C11.2	1615.2	1857.3	1373.1	0.74	-0.44	0.000644965	0.006693955
WBGene00017483	lgc-22	2150.6	2620.4	1680.7	0.64	-0.64	0.000646313	0.006705082
WBGene00017023	D1022.4	2227.6	2532.0	1923.1	0.76	-0.40	0.000650943	0.006747349
WBGene00020400	T10B11.4	45.2	68.9	21.5	0.31	-1.68	0.000659946	0.006829002
WBGene00013651	Y105C5B.11	199.8	285.7	113.9	0.40	-1.33	0.000661892	0.006832041
WBGene00050881	ZK39.10	132.4	188.6	76.1	0.40	-1.31	0.000661353	0.006832041
WBGene00013101	Y51H4A.5	272.1	368.0	176.2	0.48	-1.06	0.000661928	0.006832041
WBGene00012094	T27E9.2	9662.8	10772.2	8553.5	0.79	-0.33	0.000661434	0.006832041
WBGene00043952	ZC404.2	132.9	186.2	79.6	0.43	-1.23	0.000664428	0.006854931
WBGene00018784	F54A3.5	5886.4	6673.4	5099.5	0.76	-0.39	0.000671315	0.006914232
WBGene00015893	C17C3.11	51.2	75.0	27.4	0.37	-1.45	0.000672547	0.006922667
WBGene00001790	gst-42	3386.2	3821.1	2951.3	0.77	-0.37	0.000672704	0.006922667
WBGene00009514	F37H8.5	10240.5	11524.9	8956.1	0.78	-0.36	0.000675944	0.006953053
WBGene00011767	agxt-1	3242.6	3689.8	2795.3	0.76	-0.40	0.000684909	0.00703931
WBGene00003178	mec-17	1324.3	1529.1	1119.6	0.73	-0.45	0.000686976	0.007054166
WBGene00012866	afmd-2	494.7	590.3	399.0	0.68	-0.57	0.000694002	0.007111692
WBGene00044006	H32K21.1	60.7	88.3	33.1	0.38	-1.41	0.000697577	0.007142295
WBGene00006587	tnt-2	65193.5	73392.5	56994.5	0.78	-0.36	0.000705583	0.00722122
WBGene00004434	rpl-22	66830.1	76962.6	56697.6	0.74	-0.44	0.000706413	0.007226667
WBGene00022530	ZC155.2	78.7	118.6	38.8	0.33	-1.61	0.000709527	0.007252411
WBGene00017050	D2024.1	75.8	115.9	35.8	0.31	-1.70	0.000712424	0.007278664
WBGene00012722	Y39G8B.1	5049.0	5724.2	4373.9	0.76	-0.39	0.000714192	0.007287816
WBGene00015427	C04E6.13	105.4	141.6	69.1	0.49	-1.03	0.000716819	0.007308482
WBGene00015093	B0261.5	94.9	131.1	58.7	0.45	-1.16	0.000719789	0.00732704
WBGene00016316	C32D5.8	4164.8	4698.6	3631.0	0.77	-0.37	0.000719846	0.00732704
WBGene00008804	acp-4	29.1	47.5	10.8	0.23	-2.14	0.000721441	0.007340195
WBGene00003786	npa-1	63983.1	71956.5	56009.6	0.78	-0.36	0.000725073	0.007374056
WBGene00004443	rpl-29	38375.3	46838.2	29912.4	0.64	-0.65	0.000734612	0.007452334

WBGene00010972	R01H10.4	458.4	544.2	372.7	0.68	-0.55	0.000737424	0.007474619
WBGene00019203	ttr-47	6042.2	6793.9	5290.5	0.78	-0.36	0.000742722	0.007525174
WBGene00004429	rpl-17	128206.0	144233.3	112178.8	0.78	-0.36	0.000744575	0.007537658
WBGene00000179	aqp-11	6641.4	7500.9	5781.9	0.77	-0.38	0.000749469	0.007580877
WBGene00015467	basl-1	806.1	1050.7	561.5	0.53	-0.90	0.000752998	0.007609073
WBGene00021608	Y46H3D.1	50.0	74.5	25.5	0.34	-1.55	0.000757497	0.007642974
WBGene00019555	K09C6.1	229.0	304.5	153.6	0.50	-0.99	0.000763104	0.007689963
WBGene00020642	T20H9.6	63.4	90.9	35.8	0.39	-1.35	0.000771442	0.007747391
WBGene00044205	T13F3.8	334.8	459.8	209.8	0.46	-1.13	0.000771675	0.007747391
WBGene00017055	D2062.1	168.3	235.3	101.3	0.43	-1.22	0.000773251	0.00776
WBGene00016125	C26B2.2	349.7	460.7	238.8	0.52	-0.95	0.00077718	0.00778977
WBGene00018125	rmd-4	18.6	33.2	4.0	0.12	-3.04	0.000778813	0.007802913
WBGene00008388	D1086.1	336.0	407.3	264.7	0.65	-0.62	0.000785117	0.007859588
WBGene00018840	F54H5.3	219.7	272.7	166.7	0.61	-0.71	0.000790892	0.00790111
WBGene00009635	F42F12.3	1138.9	1319.6	958.2	0.73	-0.46	0.00079082	0.00790111
WBGene00022146	Y71G12B.6	2320.6	2647.3	1994.0	0.75	-0.41	0.000794395	0.007923063
WBGene00002065	iff-2	23522.4	26717.1	20327.6	0.76	-0.39	0.000795716	0.007932981
WBGene00012602	Y38E10A.24	3179.4	3729.7	2629.2	0.70	-0.50	0.000801997	0.007982488
WBGene00007175	B0395.3	8339.3	9411.6	7267.1	0.77	-0.37	0.000806219	0.008017933
WBGene00219667	linc-66	14.5	25.6	3.4	0.13	-2.93	0.000809006	0.008035772
WBGene00009663	hda-5	1071.8	1301.1	842.6	0.65	-0.63	0.00080869	0.008035772
WBGene00020446	T12B3.3	2273.4	2663.6	1883.2	0.71	-0.50	0.000811425	0.008049918
WBGene00018045	F35D11.4	2260.1	2546.5	1973.8	0.78	-0.37	0.000813105	0.008060001
WBGene00001784	gst-36	4748.5	5323.8	4173.2	0.78	-0.35	0.000813031	0.008060001
WBGene00020862	fip-2	1565.6	1802.7	1328.5	0.74	-0.44	0.000816935	0.008091358
WBGene00008155	C47E12.12	71.3	104.3	38.2	0.37	-1.45	0.000819157	0.008110054
WBGene00013712	dlc-6	42.3	64.3	20.4	0.32	-1.66	0.000819554	0.008110675
WBGene00022170	Y71H2AM.5	33627.9	37635.7	29620.2	0.79	-0.35	0.000821462	0.008122942
WBGene00000968	dhs-4	417.5	507.2	327.8	0.65	-0.63	0.000821811	0.008123081
WBGene00013875	ZC376.3	1256.3	1488.5	1024.2	0.69	-0.54	0.000831402	0.008201356
WBGene00019368	K03H6.2	1751.3	2262.5	1240.0	0.55	-0.87	0.000835093	0.008230905
WBGene00012158	ucr-2.1	20367.1	23114.5	17619.7	0.76	-0.39	0.000834929	0.008230905
WBGene00009938	F52F12.5	868.2	1115.4	621.0	0.56	-0.84	0.000847417	0.008342215
WBGene00003745	nlp-7	410.3	490.5	330.1	0.67	-0.57	0.000852765	0.008388056
WBGene00012728	Y39G8B.9	216.3	297.1	135.6	0.46	-1.13	0.000856919	0.008425507
WBGene00004452	rpl-38	50500.2	59914.6	41085.8	0.69	-0.54	0.000859775	0.008446739
WBGene00020931	cytb-5.2	4313.1	4830.6	3795.6	0.79	-0.35	0.000876962	0.008591251
WBGene00044028	F33H1.6	29.9	48.1	11.7	0.24	-2.04	0.000887834	0.008678359
WBGene00044018	T04B2.8	70.0	100.5	39.4	0.39	-1.35	0.000891019	0.008703566
WBGene00020952	kel-8	3466.2	4060.8	2871.5	0.71	-0.50	0.000892012	0.008703566
WBGene00008092	gmeb-3	38.1	57.7	18.5	0.32	-1.64	0.000898742	0.008764051
WBGene00009250	F29D10.1	65.3	94.0	36.6	0.39	-1.36	0.000902231	0.008775067
WBGene00008446	E01G4.3	3361.1	3812.6	2909.6	0.76	-0.39	0.000903555	0.008780905
WBGene00003589	nex-2	5512.8	6344.9	4680.7	0.74	-0.44	0.000910479	0.008837583
WBGene00013463	kdp-1	35307.5	39486.3	31128.7	0.79	-0.34	0.000911045	0.008839539
WBGene00005650	srp-9	17.2	31.1	3.4	0.11	-3.20	0.000918133	0.008901198
WBGene00017977	F32B5.3	40.4	59.6	21.2	0.35	-1.49	0.000920278	0.008914869
WBGene00001578	ges-1	2838.1	3242.0	2434.2	0.75	-0.41	0.000927603	0.008976439
WBGene00000534	cpi-2	7785.6	8754.3	6816.9	0.78	-0.36	0.0009278	0.008976439
WBGene00019495	sdz-24	1444.9	1865.7	1024.1	0.55	-0.87	0.00093706	0.009044962
WBGene00006863	gyg-1	10980.7	12376.6	9584.8	0.77	-0.37	0.000939462	0.009064543
WBGene00044805	Y53C10A.15	51.5	76.5	26.6	0.35	-1.53	0.000942529	0.009083663
WBGene00195233	F31E9.11	306.1	378.8	233.5	0.62	-0.70	0.000956554	0.009211147
WBGene00020215	T04G9.4	2109.8	2409.2	1810.3	0.75	-0.41	0.00096028	0.009239694
WBGene00020143	T01C8.2	1411.7	1614.8	1208.5	0.75	-0.42	0.000964086	0.009265074
WBGene00006452	heh-1	7267.9	8162.1	6373.8	0.78	-0.36	0.000964102	0.009265074
WBGene00001447	flp-4	272.3	335.9	208.7	0.62	-0.69	0.000967171	0.009283927
WBGene00010545	cbp-2	1129.7	1365.7	893.6	0.65	-0.61	0.00097121	0.009315331
WBGene00013505	Y71A12B.8	44.3	73.8	14.9	0.20	-2.30	0.000976123	0.0093501
WBGene00000207	asb-2	38111.5	42739.0	33484.0	0.78	-0.35	0.000983973	0.009415419
WBGene00018112	F36H9.4	945.5	1097.1	794.0	0.72	-0.47	0.000984385	0.009415651
WBGene00011844	T19C9.8	81.7	117.1	46.3	0.40	-1.34	0.000986409	0.009431295
WBGene00018145	F37C4.5	21864.1	24694.7	19033.5	0.77	-0.38	0.000991545	0.009476668
WBGene00219547	T06A10.106	20.9	35.6	6.1	0.17	-2.54	0.000992595	0.009482976
WBGene00015690	C10G11.10	86.0	119.3	52.8	0.44	-1.18	0.000993796	0.009490717

WBGene00012553	cco-2	42422.8	47525.6	37320.0	0.79	-0.35	0.000995645	0.009500899
WBGene00018054	F35F10.4	195.9	244.5	147.4	0.60	-0.73	0.000998852	0.009525937
WBGene00001805	gur-4	124.4	158.6	90.2	0.57	-0.81	0.001001471	0.009545232
WBGene00000081	ads-1	22746.2	25789.9	19702.5	0.76	-0.39	0.001002345	0.009546066
WBGene00001371	exl-1	2436.8	2756.3	2117.2	0.77	-0.38	0.00100224	0.009546066
WBGene00016594	C42D4.1	18442.4	22133.1	14751.8	0.67	-0.59	0.001012508	0.009639081
WBGene00008777	F13H10.6	703.9	853.3	554.5	0.65	-0.62	0.001022452	0.009726678
WBGene00019879	R05D3.5	15.6	27.5	3.8	0.14	-2.85	0.00105153	0.009979257
WBGene00012381	Y2H9A.4	280.6	344.5	216.8	0.63	-0.67	0.001066605	0.010110965
WBGene00020598	T20B6.2	101.6	136.9	66.3	0.48	-1.05	0.001070452	0.010133972
WBGene00010779	K11H3.2	300.8	395.7	205.9	0.52	-0.94	0.001070032	0.010133972
WBGene00008167	acox-1.5	5932.5	7350.9	4514.0	0.61	-0.70	0.001089738	0.010281572
WBGene00005011	F26F4.8	1250.4	1434.5	1066.3	0.74	-0.43	0.001096226	0.010326727
WBGene00003055	lon-1	5619.9	6636.9	4602.8	0.69	-0.53	0.00110176	0.010366791
WBGene00022072	cpg-9	6889.6	7797.2	5981.9	0.77	-0.38	0.001101371	0.010366791
WBGene00011926	sptf-2	129.1	163.8	94.4	0.58	-0.80	0.001104031	0.01038414
WBGene00013810	Y116A8C.37	54.6	80.4	28.7	0.36	-1.49	0.001110201	0.010434083
WBGene00009883	F49C12.14	775.9	908.5	643.3	0.71	-0.50	0.001140697	0.010671146
WBGene00001520	gas-1	21271.5	23881.3	18661.6	0.78	-0.36	0.001150381	0.010753424
WBGene00012189	W02A2.4	60.7	87.1	34.4	0.40	-1.34	0.001152938	0.010773184
WBGene00021849	Y54F10AM.5	10390.0	11623.8	9156.3	0.79	-0.34	0.001155128	0.01078949
WBGene00023068	rpl-41.2	76106.9	93403.1	58810.7	0.63	-0.67	0.0011693	0.010905077
WBGene00000597	col-8	135336.9	153114.7	117559.1	0.77	-0.38	0.001170655	0.010913522
WBGene00010597	K06A4.7	3693.4	4506.3	2880.5	0.64	-0.65	0.001187335	0.011049615
WBGene00006578	tli-1	1211.6	1379.4	1043.7	0.76	-0.40	0.001187276	0.011049615
WBGene00194678	R10D12.18	21.9	35.6	8.2	0.23	-2.11	0.00119357	0.011091374
WBGene00019068	faah-3	3151.4	3588.4	2714.4	0.76	-0.40	0.001196422	0.011106818
WBGene00019680	K12H4.5	7561.0	8460.8	6661.2	0.79	-0.35	0.001207679	0.011198479
WBGene00022708	ZK354.7	690.7	857.6	523.8	0.61	-0.71	0.001210046	0.011211864
WBGene00008336	C55A6.7	876.4	1006.5	746.4	0.74	-0.43	0.001209818	0.011211864
WBGene00009294	F31D4.9	4981.6	5567.1	4396.1	0.79	-0.34	0.001221636	0.01129769
WBGene00020898	T28D9.9	80.0	123.1	36.8	0.30	-1.74	0.001225028	0.011324749
WBGene00004899	snb-5	15.1	26.6	3.6	0.14	-2.87	0.001228484	0.011348049
WBGene00077457	Y39B6A.49	1090.6	1249.3	932.0	0.75	-0.42	0.001228345	0.011348049
WBGene00007715	C25D7.2	23.4	37.9	8.9	0.23	-2.10	0.001236456	0.011413002
WBGene00013330	Y57G11C.41	70.6	103.0	38.2	0.37	-1.43	0.001236996	0.011413655
WBGene00018755	bcmo-2	525.4	648.3	402.5	0.62	-0.69	0.001253124	0.011540532
WBGene00022289	Y75B7B.2	20.8	35.4	6.2	0.17	-2.52	0.001257886	0.011571215
WBGene00018532	F47B7.1	5173.2	5815.5	4530.9	0.78	-0.36	0.001261833	0.011603126
WBGene00019547	K09C4.1	554.8	719.3	390.3	0.54	-0.88	0.001268947	0.011655296
WBGene00001692	grd-3	13589.3	15210.5	11968.2	0.79	-0.35	0.001271394	0.011668948
WBGene00001914	his-40	970.4	1180.6	760.1	0.64	-0.64	0.001272227	0.011672176
WBGene00004993	spp-8	9072.4	10154.3	7990.5	0.79	-0.35	0.001276822	0.011701068
WBGene00018471	F45E4.6	245.0	325.5	164.5	0.51	-0.98	0.001278045	0.011707854
WBGene00017071	aagr-1	11539.7	14329.5	8749.9	0.61	-0.71	0.001290834	0.011798298
WBGene00021917	Y55D5A.3	263.3	324.7	202.0	0.62	-0.69	0.001293534	0.011814087
WBGene00015229	fbxa-125	74.9	115.7	34.1	0.30	-1.76	0.001321769	0.012013204
WBGene00020675	T22B11.1	111.5	148.1	74.9	0.51	-0.98	0.001324038	0.01202932
WBGene00008341	ttr-44	2189.3	3053.7	1325.0	0.43	-1.20	0.001338602	0.012143464
WBGene00008963	F19H8.2	454.8	535.6	374.0	0.70	-0.52	0.001339269	0.012144971
WBGene00206368	Y39F10C.3	110.7	147.4	74.0	0.50	-0.99	0.001350446	0.012222477
WBGene00001794	gta-1	53787.7	60153.6	47421.7	0.79	-0.34	0.001351053	0.012222477
WBGene00006725	ubl-1	55104.6	62098.2	48111.1	0.77	-0.37	0.001356674	0.012261586
WBGene00019914	clec-150	9905.2	11141.2	8669.3	0.78	-0.36	0.001358059	0.012269533
WBGene00001189	egl-21	7347.9	8253.3	6442.6	0.78	-0.36	0.001359114	0.012274496
WBGene00000716	col-143	105314.2	119787.9	90840.5	0.76	-0.40	0.001365424	0.012322321
WBGene00016581	C42C1.3	55.7	84.1	27.2	0.32	-1.63	0.00137055	0.012359387
WBGene00000742	col-169	1297.8	1603.2	992.4	0.62	-0.69	0.001401039	0.012590686
WBGene00077714	R102.11	121.6	156.7	86.5	0.55	-0.86	0.001403778	0.012602854
WBGene00016445	C35D10.8	404.8	481.3	328.3	0.68	-0.55	0.00140498	0.012608978
WBGene00007714	C25D7.1	465.1	582.1	348.1	0.60	-0.74	0.001413538	0.012671728
WBGene00019478	cri-2	1745.1	1995.5	1494.8	0.75	-0.42	0.001421245	0.012731415
WBGene00016516	C38C3.8	29.0	47.2	10.9	0.23	-2.11	0.001423762	0.012749265
WBGene00020229	T05A8.3	1132.2	1292.8	971.6	0.75	-0.41	0.001439197	0.012849558
WBGene00044615	B0252.8	170.9	214.1	127.6	0.60	-0.75	0.001452012	0.012947251

WBGene00008342	frpr-5	206.9	272.6	141.1	0.52	-0.95	0.001458189	0.012990455
WBGene00022245	acp-6	66886.5	76043.1	57730.0	0.76	-0.40	0.001461883	0.013009043
WBGene00021654	Y47G7B.2	199.7	249.7	149.6	0.60	-0.74	0.001462565	0.013010343
WBGene00021253	Y22D7AL.15	816.0	947.5	684.6	0.72	-0.47	0.001485257	0.013173581
WBGene00014854	W05B2.3	18.4	32.0	4.9	0.15	-2.71	0.001488897	0.013191409
WBGene00019609	K10B3.1	480.2	563.1	397.3	0.71	-0.50	0.001488892	0.013191409
WBGene00016393	C34B2.8	18042.7	20161.0	15924.5	0.79	-0.34	0.001495133	0.013241827
WBGene00010290	F58H1.7	419.2	501.8	336.6	0.67	-0.58	0.001495817	0.013243052
WBGene00017041	D2007.1	557.4	664.8	450.0	0.68	-0.56	0.001500721	0.013281625
WBGene00019589	K09F6.6	1428.1	1645.9	1210.3	0.74	-0.44	0.001519021	0.013424013
WBGene00015351	C02F5.10	345.3	428.3	262.2	0.61	-0.71	0.001523879	0.013452253
WBGene00018921	sago-2	1626.2	1853.0	1399.4	0.76	-0.41	0.001527858	0.013477573
WBGene00013121	spe-38	49.3	71.9	26.6	0.37	-1.43	0.001532839	0.013511692
WBGene00016137	C26E6.1	63.2	90.4	36.0	0.40	-1.33	0.00153512	0.013526887
WBGene00044895	R06A10.5	32.8	51.0	14.6	0.29	-1.80	0.001545079	0.013604766
WBGene00004439	rpl-25.2	83185.8	92630.8	73740.8	0.80	-0.33	0.00154678	0.013609866
WBGene00010596	K06A4.6	26.3	42.1	10.6	0.25	-1.99	0.001556043	0.013681454
WBGene00010593	gsnl-1	4842.5	5426.8	4258.1	0.78	-0.35	0.00156688	0.013756805
WBGene00001263	emb-9	101770.9	114599.2	88942.7	0.78	-0.37	0.001571246	0.013790158
WBGene00019831	R02F2.1	41483.6	46295.9	36671.2	0.79	-0.34	0.001575848	0.013805585
WBGene00011683	phat-6	666.0	788.0	544.0	0.69	-0.53	0.001583515	0.01386736
WBGene00007591	zipt-13	8288.4	9271.2	7305.7	0.79	-0.34	0.001584613	0.01386736
WBGene00010964	ctc-1	349242.0	396531.7	301952.3	0.76	-0.39	0.001586296	0.013877092
WBGene00018500	msrp-4	38.0	57.9	18.1	0.31	-1.68	0.00159033	0.013907369
WBGene00020534	fbxc-49	28.5	45.8	11.1	0.24	-2.05	0.0015974	0.013959135
WBGene00008986	F20G2.2	4282.6	4781.5	3783.7	0.79	-0.34	0.001600761	0.013983473
WBGene00004414	rpl-3	401072.8	449381.5	352764.1	0.78	-0.35	0.001613369	0.014078417
WBGene00000673	col-98	94154.8	111373.3	76936.4	0.69	-0.53	0.001617228	0.014101953
WBGene00000239	bas-1	3555.1	4034.9	3075.4	0.76	-0.39	0.001618099	0.014104482
WBGene00013424	Y66A7A.4	142.8	194.7	90.8	0.47	-1.10	0.001622863	0.014135854
WBGene00194935	M02G9.4	121.1	169.7	72.5	0.43	-1.23	0.00163072	0.014194106
WBGene00008424	D2045.7	511.2	604.0	418.5	0.69	-0.53	0.001632775	0.014206898
WBGene00012717	Y39E4B.6	4291.5	4968.9	3614.0	0.73	-0.46	0.001648509	0.014313019
WBGene00004481	rps-12	98777.2	111801.2	85753.3	0.77	-0.38	0.001648386	0.014313019
WBGene00194654	M05B5.7	79.6	108.1	51.2	0.47	-1.08	0.001650769	0.014327516
WBGene00019134	F59H6.3	185.9	228.5	143.4	0.63	-0.67	0.001652304	0.014335714
WBGene00013035	Y49E10.16	2952.8	3328.6	2576.9	0.77	-0.37	0.001655897	0.014346378
WBGene00004445	rpl-31	62422.6	69800.1	55045.0	0.79	-0.34	0.001667454	0.014436201
WBGene00008192	C49C3.2	147.2	189.0	105.3	0.56	-0.84	0.001671803	0.014463535
WBGene00006404	tag-10	6808.6	7689.1	5928.0	0.77	-0.38	0.001676329	0.01449237
WBGene00016722	C46G7.2	12141.4	13571.2	10711.6	0.79	-0.34	0.001678453	0.014505559
WBGene00000638	col-62	6854.5	9295.7	4413.4	0.47	-1.07	0.001696122	0.014621577
WBGene00016634	C44B11.4	187.8	232.3	143.2	0.62	-0.70	0.001723275	0.014808574
WBGene00022075	Y69A2AR.3	2653.6	3144.4	2162.9	0.69	-0.54	0.00176665	0.015101122
WBGene00020854	T27C4.1	1318.1	1510.7	1125.5	0.75	-0.42	0.001768172	0.015108815
WBGene00012671	Y39B6A.9	157.8	204.0	111.5	0.55	-0.87	0.001774264	0.015154917
WBGene00017123	maoc-1	5236.6	5876.4	4596.8	0.78	-0.35	0.001774816	0.015154917
WBGene00003485	mua-6	16919.0	18925.9	14912.2	0.79	-0.34	0.001779366	0.01518843
WBGene00017771	F25B4.8	470.8	592.2	349.5	0.59	-0.76	0.001788414	0.015244218
WBGene00004490	rps-21	42141.0	48732.0	35549.9	0.73	-0.46	0.001792358	0.015267118
WBGene00017444	F13H8.12	125.7	162.7	88.7	0.55	-0.87	0.001816814	0.015426716
WBGene00021907	Y55B1AR.3	13.4	24.1	2.6	0.11	-3.19	0.001827136	0.015508934
WBGene00015295	acl-12	2399.6	3123.0	1676.2	0.54	-0.90	0.001840683	0.015613002
WBGene00020662	T21H3.1	46543.7	54043.6	39043.8	0.72	-0.47	0.001848753	0.015675977
WBGene00012919	Y46G5A.34	133.5	167.9	99.0	0.59	-0.76	0.001851454	0.015693399
WBGene00022818	ZK783.3	36.6	56.0	17.2	0.31	-1.71	0.001856812	0.015733321
WBGene00013775	Y116A8A.4	40.4	60.9	19.9	0.33	-1.61	0.001857534	0.015733948
WBGene00009572	F40D4.13	68.3	99.0	37.5	0.38	-1.40	0.001868221	0.015791408
WBGene00004453	rpl-39	31859.9	39266.3	24453.5	0.62	-0.68	0.00187145	0.015813203
WBGene00016201	tdo-2	7051.2	8694.6	5407.9	0.62	-0.69	0.001874201	0.01583093
WBGene00009693	F44F1.1	37.7	57.6	17.8	0.31	-1.69	0.001877703	0.015843972
WBGene00012253	clec-50	36500.2	43647.4	29353.0	0.67	-0.57	0.001893816	0.015957746
WBGene00008979	F20D1.9	4903.6	5513.2	4293.9	0.78	-0.36	0.001899295	0.015992817
WBGene00019572	K09E2.3	5230.8	5865.9	4595.7	0.78	-0.35	0.001905417	0.016033006
WBGene00021457	Y39F10C.1	27.0	43.2	10.8	0.25	-2.00	0.001918514	0.016126682

WBGene00003370	mlc-2	54562.2	60765.6	48358.8	0.80	-0.33	0.001923752	0.016148341
WBGene00001885	his-11	145.8	201.6	89.9	0.45	-1.17	0.001933168	0.016215797
WBGene00021647	Y47G6A.22	6143.1	6882.7	5403.5	0.79	-0.35	0.001933792	0.016215797
WBGene00017376	F11C7.2	244.7	295.3	194.1	0.66	-0.61	0.001950637	0.016328848
WBGene00014128	ZK892.4	74.8	100.6	48.9	0.49	-1.04	0.001961033	0.016404565
WBGene00020836	lgc-34	2199.7	2469.2	1930.3	0.78	-0.36	0.001974018	0.016490456
WBGene00017065	D2092.4	6162.8	6903.2	5422.4	0.79	-0.35	0.001976642	0.016506464
WBGene00018981	F56F4.4	29.1	46.9	11.2	0.24	-2.06	0.001985736	0.016559853
WBGene00001693	grd-4	230.4	285.5	175.2	0.61	-0.70	0.001997464	0.016646219
WBGene00016218	pals-23	713.3	818.9	607.6	0.74	-0.43	0.002002591	0.016677491
WBGene00017121	cyc-2.1	50764.3	56569.5	44959.1	0.79	-0.33	0.002013879	0.016765751
WBGene00077576	C15H11.13	42.8	63.6	21.9	0.34	-1.54	0.002056762	0.017058407
WBGene00007569	C14A6.5	15.7	26.8	4.6	0.17	-2.54	0.002100512	0.017409366
WBGene00018062	F35F10.13	155.8	228.8	82.8	0.36	-1.47	0.002103036	0.017424332
WBGene00045180	K07F5.17	61.2	87.7	34.7	0.40	-1.34	0.002163306	0.017844519
WBGene00007619	C15H11.11	33.4	48.8	18.0	0.37	-1.44	0.002185798	0.018005577
WBGene00009636	F42F12.4	1073.8	1241.6	906.1	0.73	-0.45	0.002229263	0.018307707
WBGene00015990	C18H2.3	107.6	161.8	53.4	0.33	-1.60	0.002231244	0.018317784
WBGene00004418	rpl-7	247239.8	275356.2	219123.4	0.80	-0.33	0.002247644	0.018421274
WBGene00007427	C08B6.6	21.3	35.9	6.7	0.19	-2.42	0.002251178	0.018444011
WBGene00008708	F11E6.4	168.6	214.9	122.3	0.57	-0.81	0.002255643	0.018474358
WBGene00019029	F58B6.1	154.1	191.5	116.7	0.61	-0.71	0.002262713	0.018503908
WBGene00017515	F16F9.4	1217.7	1392.9	1042.4	0.75	-0.42	0.00227999	0.018604921
WBGene00008730	F13B12.2	550.6	642.8	458.5	0.71	-0.49	0.002282743	0.018620921
WBGene00013255	Y57A10A.10	4820.5	5413.1	4227.9	0.78	-0.36	0.00231519	0.018809753
WBGene00003163	mdl-1	2542.8	3216.0	1869.6	0.58	-0.78	0.002319021	0.018828279
WBGene00015877	C17B7.3	38.0	63.4	12.5	0.20	-2.34	0.002320294	0.018832319
WBGene00013049	Y50E8A.6	18.5	31.6	5.4	0.17	-2.54	0.002340448	0.018976859
WBGene00008980	emre-1	731.5	859.3	603.7	0.70	-0.51	0.002340024	0.018976859
WBGene00013701	Y106G6D.4	227.2	282.4	171.9	0.61	-0.72	0.002367539	0.019116593
WBGene00020732	T23E7.2	37344.7	41612.8	33076.6	0.79	-0.33	0.002367918	0.019116593
WBGene00012514	Y26E6A.3	2088.9	2363.2	1814.6	0.77	-0.38	0.002378759	0.019172229
WBGene00001462	flp-19	442.9	547.7	338.0	0.62	-0.70	0.00240124	0.019327756
WBGene00219609	linc-7	1484.7	1671.8	1297.5	0.78	-0.37	0.002417204	0.019443351
WBGene00014164	lact-2	3077.3	3624.4	2530.1	0.70	-0.52	0.002420755	0.01945946
WBGene00004825	skr-19	1985.1	2254.1	1716.0	0.76	-0.39	0.002420809	0.01945946
WBGene00017089	poml-2	810.9	952.7	669.2	0.70	-0.51	0.002434869	0.019546587
WBGene00195169	Y50D4A.6	62.8	85.2	40.4	0.47	-1.07	0.002446528	0.019607759
WBGene00004413	rpl-2	190592.2	213767.3	167417.2	0.78	-0.35	0.002449263	0.019622813
WBGene00013489	col-42	110363.3	129716.7	91009.9	0.70	-0.51	0.002451233	0.01962603
WBGene00011094	R07B7.10	974.2	1117.2	831.2	0.74	-0.43	0.002479418	0.019819019
WBGene00020869	T28A11.2	1569.5	1796.3	1342.6	0.75	-0.42	0.002510528	0.020021544
WBGene00010693	K08H2.7	36.7	54.3	19.2	0.35	-1.50	0.002516679	0.020050833
WBGene00003750	nlp-12	273.0	328.5	217.4	0.66	-0.60	0.002517936	0.020054267
WBGene00012297	W06D4.3	216.0	265.6	166.4	0.63	-0.67	0.002529876	0.020128765
WBGene00019988	R09F10.5	335.2	399.0	271.3	0.68	-0.56	0.002530606	0.020128765
WBGene00007185	nlp-36	4831.7	5422.1	4241.3	0.78	-0.35	0.002533045	0.020141562
WBGene00010672	K08E7.4	25.5	40.7	10.3	0.25	-1.99	0.002535909	0.020151141
WBGene00018994	F56H1.3	218.0	319.9	116.2	0.36	-1.46	0.002537583	0.02015125
WBGene00016807	C50D2.3	216.1	277.0	155.2	0.56	-0.84	0.00253714	0.02015125
WBGene00019183	npr-30	161.3	204.6	118.0	0.58	-0.79	0.002559375	0.020304379
WBGene00011573	anmt-3	5645.4	6451.9	4838.9	0.75	-0.42	0.002580578	0.020445857
WBGene00017765	gcst-1	16910.9	18901.9	14919.8	0.79	-0.34	0.002591944	0.020529207
WBGene00014244	ZK1307.1	4943.6	5665.3	4221.9	0.75	-0.42	0.002600673	0.020578209
WBGene00016420	C34G6.3	547.4	750.2	344.6	0.46	-1.12	0.002627186	0.020740672
WBGene00020313	T07E3.2	90.7	119.6	61.8	0.52	-0.95	0.002656865	0.020934133
WBGene00012554	Y37D8A.16	1065.3	1223.6	907.0	0.74	-0.43	0.002656056	0.020934133
WBGene00010447	K01A6.5	28.9	48.7	9.0	0.19	-2.43	0.002684117	0.02111459
WBGene00219296	C54C6.11	46.7	69.8	23.6	0.34	-1.56	0.002683354	0.02111459
WBGene00002138	inx-16	4170.1	4667.9	3672.2	0.79	-0.35	0.002693753	0.02117667
WBGene00020181	T02H6.11	21956.7	24431.3	19482.1	0.80	-0.33	0.002702341	0.02122356
WBGene00010247	F58D5.8	98.3	131.4	65.3	0.50	-1.01	0.002714171	0.021302692
WBGene00001911	his-37	2749.2	3083.8	2414.7	0.78	-0.35	0.00277049	0.021702616
WBGene00012785	Y43C5B.2	218.5	312.7	124.2	0.40	-1.33	0.002773401	0.021718411
WBGene00012217	W02H3.1	794.5	952.6	636.3	0.67	-0.58	0.00280017	0.021899782

WBGene00044737	ttr-45	4313.0	4804.8	3821.2	0.80	-0.33	0.002802701	0.021912516
WBGene00004444	rpl-30	59164.0	67035.6	51292.3	0.77	-0.39	0.002803977	0.021915433
WBGene00011174	acs-23	91.3	126.7	55.9	0.44	-1.18	0.002812593	0.021968634
WBGene00019476	K07C11.3	678.7	789.8	567.6	0.72	-0.48	0.002846967	0.022215674
WBGene00022385	Y95B8A.4	279.4	369.4	189.5	0.51	-0.96	0.002875294	0.022372
WBGene00011001	R04B5.1	21.3	33.9	8.7	0.26	-1.96	0.002887543	0.022438542
WBGene00004476	rps-7	214376.9	241514.6	187239.2	0.78	-0.37	0.002889461	0.022446257
WBGene00015896	C17C3.15	330.7	401.3	260.1	0.65	-0.63	0.002890866	0.022449988
WBGene00022833	ZK973.4	53.5	78.3	28.8	0.37	-1.44	0.002921688	0.02268209
WBGene00010858	M04C9.3	791.3	915.8	666.8	0.73	-0.46	0.002924672	0.022697998
WBGene00015370	C03A7.12	279.5	346.5	212.5	0.61	-0.71	0.002933563	0.022752449
WBGene00010004	F53H2.1	89.6	118.8	60.5	0.51	-0.97	0.002942367	0.022808976
WBGene00009796	F46G10.1	3597.3	4198.6	2996.1	0.71	-0.49	0.00294273	0.022808976
WBGene00017440	upb-1	27163.5	30238.3	24088.6	0.80	-0.33	0.0029482	0.022844077
WBGene00004473	rps-4	178985.0	199171.6	158798.4	0.80	-0.33	0.002949301	0.022845319
WBGene00019597	K09H9.5	305.0	359.2	250.8	0.70	-0.52	0.002956246	0.022877218
WBGene00020808	clik-1	93836.0	104475.8	83196.2	0.80	-0.33	0.002964668	0.022927773
WBGene00044360	C33C12.11	128.8	170.3	87.3	0.51	-0.96	0.002969	0.022932053
WBGene00001814	haf-4	5779.5	6471.3	5087.7	0.79	-0.35	0.002967185	0.022932053
WBGene00007653	cysl-1	3991.1	4474.3	3507.9	0.78	-0.35	0.003008148	0.023175438
WBGene00001119	dyf-3	205.2	256.8	153.5	0.60	-0.74	0.003013919	0.023210829
WBGene00044763	ZK688.12	235.7	291.6	179.9	0.62	-0.70	0.003014654	0.023210829
WBGene00020829	T26C11.3	15.5	26.5	4.5	0.17	-2.57	0.003020029	0.023244841
WBGene00013103	Y51H4A.7	3933.4	4436.1	3430.7	0.77	-0.37	0.003034183	0.02330944
WBGene00077782	T26H10.2	20.5	33.8	7.3	0.21	-2.22	0.003040909	0.023338955
WBGene00014141	ZK899.2	3718.4	4183.5	3253.3	0.78	-0.36	0.00304075	0.023338955
WBGene00011587	T07F10.1	6185.5	7004.9	5366.2	0.77	-0.38	0.003070381	0.023521641
WBGene00050904	Y70C5A.3	791.3	1020.3	562.4	0.55	-0.86	0.003087198	0.023634445
WBGene00016436	C35B1.7	31.2	48.1	14.3	0.30	-1.75	0.003089904	0.023647701
WBGene00017443	F13H8.11	550.5	641.6	459.3	0.72	-0.48	0.003103849	0.023746938
WBGene00017881	asp-13	28532.4	31824.0	25240.7	0.79	-0.33	0.003149923	0.024053961
WBGene00011141	R08B4.5	42.8	61.4	24.3	0.40	-1.33	0.00315775	0.024106148
WBGene00007811	C29F7.2	1272.5	1443.8	1101.2	0.76	-0.39	0.003182936	0.024275514
WBGene00045364	clec-250	6.9	12.9	0.8	0.07	-3.94	0.003184383	0.02427892
WBGene00021624	Y47D7A.12	70.2	94.0	46.5	0.49	-1.02	0.003200411	0.02437051
WBGene00044260	Y87G2A.19	980.1	1110.7	849.5	0.76	-0.39	0.003200014	0.02437051
WBGene00008954	F19C6.5	281.7	333.7	229.7	0.69	-0.54	0.003204188	0.024391615
WBGene00009051	nduf-6	7280.9	8048.5	6513.4	0.81	-0.31	0.00321245	0.024446844
WBGene00011053	arrd-12	18.5	30.5	6.5	0.21	-2.22	0.003225753	0.024517341
WBGene00004920	snr-7	4180.1	4692.4	3667.8	0.78	-0.36	0.003235974	0.024587329
WBGene00016900	C53C11.2	215.6	267.5	163.6	0.61	-0.71	0.003260567	0.024696888
WBGene00018354	F42G2.5	193.1	241.8	144.3	0.60	-0.75	0.003262139	0.024697018
WBGene00008185	best-10	84.6	119.4	49.8	0.42	-1.26	0.00326475	0.024705447
WBGene00020962	W02H5.8	2232.5	2612.7	1852.2	0.71	-0.50	0.003266737	0.024712777
WBGene00010471	cdr-6	3888.9	4351.6	3426.2	0.79	-0.34	0.00328061	0.024794548
WBGene00012813	Y43F8B.2	2007.9	2408.3	1607.6	0.67	-0.58	0.003303632	0.024929738
WBGene00007675	C18D4.6	525.2	662.6	387.7	0.59	-0.77	0.003331009	0.025097325
WBGene00003990	pfn-2	7116.5	7920.4	6312.6	0.80	-0.33	0.003391995	0.025491692
WBGene00001753	gst-5	2429.1	2682.8	2175.4	0.81	-0.30	0.003392802	0.025491692
WBGene00009119	ndk-1	130912.7	145292.7	116532.7	0.80	-0.32	0.003432961	0.025737666
WBGene00004431	rpl-19	141529.4	157177.8	125881.0	0.80	-0.32	0.003434165	0.02573874
WBGene00009818	acbp-3	1181.7	1340.8	1022.5	0.76	-0.39	0.003438833	0.025749883
WBGene00022070	Y67D8C.6	24.8	38.3	11.3	0.29	-1.76	0.003454321	0.025857878
WBGene00219694	linc-36	22.5	35.3	9.7	0.28	-1.86	0.003462426	0.025902577
WBGene00018934	F56B3.11	5578.1	6284.0	4872.2	0.78	-0.37	0.00347769	0.025970184
WBGene00003991	pfn-3	1687.1	1885.6	1488.6	0.79	-0.34	0.003506357	0.026150638
WBGene00022706	ZK354.3	681.6	882.8	480.4	0.54	-0.88	0.003549662	0.026417924
WBGene00077696	marc-1	116.9	174.0	59.7	0.34	-1.54	0.003564728	0.026492412
WBGene00015593	C08E3.1	10.8	17.7	3.8	0.21	-2.24	0.003578265	0.026548582
WBGene00001538	gcy-12	7480.5	8636.9	6324.1	0.73	-0.45	0.003588036	0.026604508
WBGene00019007	ucr-11	6204.4	7155.3	5253.5	0.73	-0.45	0.003587296	0.026604508
WBGene00012491	Y20C6A.1	402.6	521.5	283.7	0.54	-0.88	0.0036415	0.02694333
WBGene00019556	K09C6.2	119.7	174.7	64.6	0.37	-1.43	0.003647415	0.026964811
WBGene00007964	cyp-25A2	1418.1	1861.0	975.2	0.52	-0.93	0.003673376	0.027137819
WBGene00000677	col-103	87175.9	102562.3	71789.5	0.70	-0.51	0.003677395	0.027159245

WBGene00044640	B0432.14	124.2	156.7	91.7	0.59	-0.77	0.003723423	0.027432417
WBGene00001396	fat-4	33409.8	37090.5	29729.1	0.80	-0.32	0.003731161	0.027478215
WBGene00020075	math-35	802.9	926.0	679.7	0.73	-0.45	0.003735411	0.027488842
WBGene00235254	F49D11.14	42.9	60.8	24.9	0.41	-1.29	0.0037395	0.027509123
WBGene00000698	col-124	440727.5	490316.9	391138.1	0.80	-0.33	0.003748589	0.027542599
WBGene00189951	linc-29	465.1	540.9	389.4	0.72	-0.47	0.003782887	0.027752605
WBGene00014052	ZK669.2	413.4	475.2	351.7	0.74	-0.43	0.003791458	0.027785211
WBGene00020550	T17H7.1	205.6	273.5	137.7	0.50	-0.99	0.003797668	0.027810617
WBGene00045305	ZC250.4	2128.8	2381.4	1876.1	0.79	-0.34	0.003800837	0.027825429
WBGene00010214	F57G8.5	442.4	516.6	368.1	0.71	-0.49	0.003849541	0.028131082
WBGene00017907	F28F9.3	58.9	81.3	36.5	0.45	-1.16	0.003874778	0.02828145
WBGene00012747	Y40H7A.10	6906.3	7714.7	6097.8	0.79	-0.34	0.003882116	0.028326493
WBGene00004449	rpl-35	77266.0	86007.1	68524.8	0.80	-0.33	0.003890267	0.02837744
WBGene00194647	Y51H4A.935	92.6	122.1	63.2	0.52	-0.95	0.003931176	0.028630713
WBGene00018165	F38A5.8	49.7	77.9	21.5	0.28	-1.86	0.003941367	0.028664204
WBGene00018035	sek-4	435.3	513.3	357.3	0.70	-0.52	0.003943215	0.02866891
WBGene00015810	C16A3.5	17995.1	19905.7	16084.6	0.81	-0.31	0.003959838	0.028781149
WBGene00022507	ZC21.8	99.3	141.8	56.8	0.40	-1.32	0.003971508	0.028822817
WBGene00044807	T19H5.6	111.0	145.1	76.8	0.53	-0.92	0.003972871	0.02882409
WBGene00009396	clec-65	12169.2	13569.6	10768.9	0.79	-0.33	0.003979346	0.028862445
WBGene00043998	T21C12.8	205.6	247.5	163.8	0.66	-0.60	0.003986158	0.028894588
WBGene00020617	T20D4.11	419.5	499.9	339.1	0.68	-0.56	0.004018116	0.02910886
WBGene00003860	oig-2	1420.0	1614.4	1225.7	0.76	-0.40	0.004057272	0.029331247
WBGene00008395	D1086.8	836.4	953.2	719.6	0.75	-0.41	0.004062385	0.029358949
WBGene00013448	Y66D12A.24	850.7	967.6	733.9	0.76	-0.40	0.004067239	0.029377059
WBGene00009931	F52D10.4	57.8	79.5	36.1	0.45	-1.14	0.004075607	0.029428746
WBGene00001787	gst-39	1032.4	1173.6	891.3	0.76	-0.40	0.00414963	0.029900985
WBGene00219316	F21A3.11	689.4	874.6	504.2	0.58	-0.79	0.004158544	0.029956325
WBGene00008354	gcsh-1	3037.7	3534.9	2540.6	0.72	-0.48	0.004164809	0.029992558
WBGene00007989	fipr-22	6.5	12.6	0.4	0.03	-4.90	0.004172612	0.030035496
WBGene00000644	col-68	257.5	311.5	203.5	0.65	-0.61	0.004198783	0.030201379
WBGene00011938	alh-13	1372.9	1737.9	1008.0	0.58	-0.79	0.004204593	0.030225262
WBGene00004486	rps-17	94364.0	105374.6	83353.5	0.79	-0.34	0.00426573	0.030596176
WBGene00013690	hprt-1	11714.6	12991.7	10437.4	0.80	-0.32	0.004281893	0.030699123
WBGene00005269	srh-46	26.3	41.4	11.3	0.27	-1.88	0.004290948	0.030754959
WBGene00016607	C43E11.9	4585.3	5101.4	4069.2	0.80	-0.33	0.004326675	0.030978891
WBGene00000829	ctb-1	208383.6	234644.1	182123.0	0.78	-0.37	0.004347866	0.031089483
WBGene00016274	C30G12.2	10352.5	13905.4	6799.6	0.49	-1.03	0.004395622	0.031384743
WBGene00002011	hsp-12.2	3509.6	3938.2	3081.0	0.78	-0.35	0.004424093	0.031550908
WBGene00012470	Y17G7B.19	48.6	67.5	29.7	0.44	-1.18	0.00447621	0.031866418
WBGene00044042	Y46G5A.37	18.5	31.2	5.8	0.19	-2.43	0.004482729	0.031903285
WBGene00009752	F46A8.9	23.0	34.8	11.2	0.32	-1.64	0.004506369	0.032034147
WBGene00013949	ZK262.2	149.6	183.5	115.7	0.63	-0.66	0.004549303	0.032254343
WBGene00013585	cyp-42A1	314.2	373.3	255.2	0.68	-0.55	0.004560411	0.032304796
WBGene00020597	T20B6.1	31.8	50.0	13.7	0.27	-1.87	0.004588788	0.03245503
WBGene00019182	H10E21.1	463.3	541.4	385.1	0.71	-0.49	0.004584455	0.03245503
WBGene00022196	gpa-17	884.6	1033.3	735.9	0.71	-0.49	0.004588085	0.03245503
WBGene00015244	B0524.5	107.9	141.5	74.4	0.53	-0.93	0.004606182	0.032553035
WBGene00007241	C01G10.16	14.4	25.2	3.7	0.15	-2.76	0.004608898	0.032562752
WBGene00050896	ttr-56	33.0	48.9	17.0	0.35	-1.52	0.004615239	0.032598061
WBGene00044150	VB0395L.1	673.3	773.8	572.7	0.74	-0.43	0.004641547	0.03272675
WBGene00008522	F02D8.5	203.0	247.3	158.8	0.64	-0.64	0.004673935	0.03293598
WBGene00008607	F09B12.3	11198.5	12502.7	9894.2	0.79	-0.34	0.004696905	0.033078638
WBGene00009293	F31D4.8	740.2	940.1	540.3	0.57	-0.80	0.004714236	0.033186566
WBGene00013894	ZC434.8	26517.4	29308.0	23726.7	0.81	-0.30	0.004723744	0.033229092
WBGene00006464	bath-47	222.4	299.9	144.9	0.48	-1.05	0.004744568	0.033327297
WBGene00194643	C48D1.9	93.8	121.8	65.8	0.54	-0.89	0.004751818	0.033368565
WBGene00012821	Y43F8B.11	136.6	170.7	102.5	0.60	-0.74	0.004760676	0.033396361
WBGene00000169	aqp-1	5358.8	6083.1	4634.5	0.76	-0.39	0.004783325	0.033502597
WBGene00000140	anc-1	13101.2	14496.3	11706.2	0.81	-0.31	0.004784777	0.0335031
WBGene00009787	F46F2.3	10655.7	13048.6	8262.8	0.63	-0.66	0.004790167	0.033531168
WBGene00022630	fbxa-223	49.3	69.5	29.1	0.42	-1.25	0.004812947	0.033671211
WBGene00015908	C17F3.3	527.4	668.7	386.1	0.58	-0.79	0.0048866	0.034107853
WBGene00011833	T19B10.5	1343.9	1504.6	1183.2	0.79	-0.35	0.00488653	0.034107853
WBGene00016339	C33C12.7	182.0	233.6	130.4	0.56	-0.84	0.004891675	0.034123651

WBGene00000545	clp-4	4158.4	4638.2	3678.7	0.79	-0.33	0.004970827	0.034537188
WBGene00015644	C09E8.1	4172.2	4652.5	3692.0	0.79	-0.33	0.004969113	0.034537188
WBGene00013656	Y105C5B.17	158.2	197.2	119.1	0.60	-0.73	0.004975741	0.034561112
WBGene00007341	C05D12.4	648.2	742.5	554.0	0.75	-0.42	0.004994797	0.03466317
WBGene00009624	cnc-8	918.7	1083.6	753.9	0.70	-0.52	0.00500606	0.034702203
WBGene00016193	C28H8.2	76.1	102.8	49.5	0.48	-1.06	0.00502379	0.034805227
WBGene00021786	Y51H7C.8	100.1	128.6	71.7	0.56	-0.84	0.00502367	0.034805227
WBGene00020292	nep-19	70.7	99.6	41.8	0.42	-1.25	0.00503035	0.034840733
WBGene00003234	mif-1	1481.5	1665.0	1298.1	0.78	-0.36	0.005035263	0.034864816
WBGene00022548	ZC196.4	373.7	446.3	301.1	0.67	-0.57	0.005061089	0.034983769
WBGene00013884	ZC412.3	1778.1	1980.5	1575.6	0.80	-0.33	0.00505972	0.034983769
WBGene00021308	Y32G9A.11	26.1	41.0	11.2	0.27	-1.87	0.005102018	0.035237971
WBGene00004990	spp-5	26442.8	30809.5	22076.0	0.72	-0.48	0.005151442	0.035497138
WBGene00007357	C06A12.3	1487.7	1668.4	1307.1	0.78	-0.35	0.005154746	0.035509825
WBGene00021839	nduf-5	7908.5	8748.4	7068.7	0.81	-0.31	0.005160103	0.035536643
WBGene00003169	mec-5	1814.7	2033.1	1596.4	0.79	-0.35	0.00517853	0.035653432
WBGene00044261	Y87G2A.20	294.2	386.1	202.3	0.52	-0.93	0.00519724	0.035731894
WBGene00077775	T07C12.15	167.0	207.7	126.3	0.61	-0.72	0.005223573	0.03589229
WBGene00235281	Y4C6A.68	40.8	59.5	22.1	0.37	-1.43	0.005262456	0.036087963
WBGene00022053	cisd-3.2	8569.0	9536.6	7601.4	0.80	-0.33	0.005261713	0.036087963
WBGene00007380	C06C6.6	104.6	144.1	65.1	0.45	-1.15	0.005303377	0.036327531
WBGene00045336	R11D1.12	61.6	83.4	39.8	0.48	-1.07	0.005334979	0.036511087
WBGene00044212	Y68A4A.13	188.6	260.5	116.7	0.45	-1.16	0.005350305	0.036587042
WBGene00016217	C29F9.2	71.4	95.5	47.4	0.50	-1.01	0.005358065	0.036619477
WBGene00000819	csp-1	117.1	147.2	86.9	0.59	-0.76	0.005387992	0.036782589
WBGene00020381	T09B4.7	57.5	82.3	32.7	0.40	-1.33	0.005390182	0.036787196
WBGene00006741	unc-1	1046.4	1180.3	912.4	0.77	-0.37	0.005392428	0.036792178
WBGene00012439	Y12A6A.1	2535.4	2837.4	2233.4	0.79	-0.35	0.005395428	0.036802308
WBGene00013815	Y116A8C.44	24.1	44.5	3.7	0.08	-3.58	0.00543687	0.037056181
WBGene00010999	R03G8.4	66.5	88.3	44.7	0.51	-0.98	0.005438753	0.037056181
WBGene00017824	clec-217	3.9	7.7	0.0	0.00	#NAME?	0.005450461	0.037108526
WBGene00011571	ttr-46	10268.3	11346.4	9190.1	0.81	-0.30	0.00549128	0.037319794
WBGene00004447	rpl-33	79054.8	87466.5	70643.1	0.81	-0.31	0.005504358	0.037387745
WBGene00020509	hex-1	6476.4	7193.3	5759.6	0.80	-0.32	0.005529034	0.037518884
WBGene00008451	E01G6.3	650.7	762.0	539.5	0.71	-0.50	0.005562942	0.037680243
WBGene00011540	T06E6.10	1478.9	1656.5	1301.2	0.79	-0.35	0.005564891	0.037682924
WBGene00004999	spp-14	18332.4	21050.7	15614.1	0.74	-0.43	0.005589546	0.037828778
WBGene00003652	nhr-62	642.8	736.0	549.6	0.75	-0.42	0.005600465	0.037879058
WBGene00004420	rpl-9	120467.0	133279.5	107654.4	0.81	-0.31	0.005603217	0.037879058
WBGene00014759	F46A8.1	122.3	155.1	89.6	0.58	-0.79	0.005632874	0.038047763
WBGene00013186	Y53H1C.3	198.8	266.6	131.1	0.49	-1.02	0.005646665	0.038119699
WBGene00015803	C15H9.9	9877.5	10868.0	8886.9	0.82	-0.29	0.005654414	0.038150795
WBGene00008389	D1086.2	112.7	142.3	83.2	0.59	-0.77	0.005682074	0.038294847
WBGene00003214	mel-32	74818.3	82557.0	67079.5	0.81	-0.30	0.005757121	0.038732748
WBGene00004567	rrn-2.1	8726.6	15456.4	1996.9	0.13	-2.95	0.005769715	0.038745673
WBGene00021380	Y37E11B.9	22.8	35.6	9.9	0.28	-1.85	0.005766914	0.038745673
WBGene00009688	F44E5.1	13492.5	15508.3	11476.6	0.74	-0.43	0.005769534	0.038745673
WBGene00009880	F49C12.11	10468.4	11750.3	9186.5	0.78	-0.36	0.005808765	0.038975564
WBGene00012548	Y37D8A.6	788.5	889.0	688.1	0.77	-0.37	0.005879156	0.039393427
WBGene00016493	C37A2.7	51745.8	59051.1	44440.6	0.75	-0.41	0.005914287	0.03960696
WBGene00022254	Y73B6BL.35	237.3	287.2	187.5	0.65	-0.62	0.005935659	0.039728163
WBGene00022039	Y65B4BL.7	131.9	166.8	97.0	0.58	-0.78	0.005941797	0.039747329
WBGene00002139	inx-17	1901.2	2129.7	1672.7	0.79	-0.35	0.005947031	0.039771384
WBGene00000830	ctl-1	347.0	412.8	281.3	0.68	-0.55	0.005951119	0.039787761
WBGene00011899	T21C12.3	55.2	75.1	35.3	0.47	-1.09	0.005975318	0.03993592
WBGene00021586	clec-75	92.0	130.3	53.7	0.41	-1.28	0.00600745	0.040109144
WBGene00016920	C54E4.5	1144.1	1410.1	878.0	0.62	-0.68	0.006055586	0.0403861
WBGene00021562	nuo-5	41089.4	45466.8	36711.9	0.81	-0.31	0.006082093	0.040551738
WBGene00001604	gln-3	18624.4	27025.6	10223.3	0.38	-1.40	0.006087137	0.040563087
WBGene00014375	F44D12.11	56.1	76.2	36.0	0.47	-1.08	0.006102857	0.040634383
WBGene00138721	pals-37	9.7	16.8	2.5	0.15	-2.73	0.006118206	0.040693143
WBGene00004430	rpl-18	106123.3	116740.4	95506.1	0.82	-0.29	0.006115404	0.040693143
WBGene00007382	C06C6.8	93.3	118.8	67.7	0.57	-0.81	0.006124492	0.04071144
WBGene00009755	F46A9.2	239.6	300.6	178.6	0.59	-0.75	0.006132599	0.040743015
WBGene00016614	trpp-12	2237.8	2762.5	1713.1	0.62	-0.69	0.006159375	0.040876161

WBGene00012363	W09D10.5	641.4	729.1	553.7	0.76	-0.40	0.006223063	0.041242444
WBGene00011205	R10E4.9	1093.4	1220.0	966.8	0.79	-0.34	0.006268875	0.041523384
WBGene00020360	math-41	989.7	1144.8	834.6	0.73	-0.46	0.006338724	0.041912707
WBGene00001404	fbp-1	20704.0	22918.1	18489.9	0.81	-0.31	0.006339737	0.041912707
WBGene00003828	nuc-1	10248.1	11830.3	8665.9	0.73	-0.45	0.006407133	0.042289166
WBGene00021742	Y50D4B.3	4892.5	5395.1	4389.8	0.81	-0.30	0.006416111	0.042336915
WBGene00044361	K09F6.11	207.0	254.3	159.7	0.63	-0.67	0.006470348	0.042671603
WBGene00003628	nhr-35	1893.4	2224.2	1562.6	0.70	-0.51	0.006505019	0.042830441
WBGene00007120	B0250.3	192.2	242.9	141.5	0.58	-0.78	0.006519883	0.042886936
WBGene00018433	ceh-82	93.5	121.9	65.0	0.53	-0.91	0.006526667	0.042914777
WBGene00017872	F28A10.4	17.8	27.9	7.7	0.28	-1.86	0.006557549	0.043082828
WBGene00010336	acox-1.6	1359.0	1610.8	1107.2	0.69	-0.54	0.006588347	0.043261754
WBGene00012124	T28D6.4	728.1	829.8	626.4	0.75	-0.41	0.006608406	0.043381736
WBGene00004677	rrn-3.56	29582.3	45847.4	13317.2	0.29	-1.78	0.006625623	0.043483005
WBGene00009054	F22D6.9	1789.3	1996.2	1582.3	0.79	-0.34	0.006630713	0.043503684
WBGene00000881	cyn-5	33857.9	37368.8	30347.0	0.81	-0.30	0.006682652	0.043800369
WBGene00008040	ttr-5	1547.8	1730.3	1365.2	0.79	-0.34	0.006701666	0.043863477
WBGene00004417	rpl-6	224756.0	247570.0	201942.1	0.82	-0.29	0.006738637	0.044093574
WBGene00016918	test-1	11212.6	12436.7	9988.5	0.80	-0.32	0.006762877	0.044228343
WBGene00002120	ins-37	153.4	214.4	92.4	0.43	-1.21	0.006786006	0.044331827
WBGene00015110	B0281.3	962.3	1147.3	777.2	0.68	-0.56	0.006806483	0.044417792
WBGene00003371	mlc-3	54782.0	59885.3	49678.7	0.83	-0.27	0.006839046	0.044558419
WBGene00008900	F16H6.10	1025.7	1173.2	878.1	0.75	-0.42	0.006851083	0.04462487
WBGene00013870	ZC373.5	712.1	812.5	611.7	0.75	-0.41	0.006857039	0.044639708
WBGene00021215	Y18H1A.11	135.1	168.3	102.0	0.61	-0.72	0.006933798	0.045066904
WBGene00012886	Y45F10D.6	261.7	313.9	209.5	0.67	-0.58	0.006952779	0.045178175
WBGene00018260	cyp-33C7	638.4	731.5	545.3	0.75	-0.42	0.006964982	0.045221159
WBGene00016234	C29G2.6	1940.4	2164.3	1716.5	0.79	-0.33	0.006963313	0.045221159
WBGene00006493	tag-147	17456.3	19352.2	15560.3	0.80	-0.31	0.006969072	0.045235612
WBGene00015354	snet-1	730.8	821.3	640.3	0.78	-0.36	0.006972453	0.04524546
WBGene00021701	Y48G9A.7	40.6	56.3	24.9	0.44	-1.18	0.006987861	0.045327395
WBGene00219972	F55A3.8	30.1	43.8	16.3	0.37	-1.43	0.007064245	0.045694541
WBGene00020284	mel-46	7634.5	8445.5	6823.5	0.81	-0.31	0.007072136	0.045721217
WBGene00000656	col-80	247130.6	274416.7	219844.5	0.80	-0.32	0.007080324	0.045742943
WBGene00004471	rps-2	150634.8	166346.0	134923.6	0.81	-0.30	0.007081149	0.045742943
WBGene00003515	myo-3	36219.5	39957.0	32481.9	0.81	-0.30	0.007083086	0.045743284
WBGene00003744	nlp-6	1081.3	1227.8	934.9	0.76	-0.39	0.007086791	0.045744594
WBGene00002128	inx-6	508.5	587.8	429.3	0.73	-0.45	0.007155963	0.046079085
WBGene00008831	F14H3.12	268.6	315.1	222.0	0.70	-0.51	0.007173386	0.046166786
WBGene00004425	rpl-13	110188.9	121377.0	99000.7	0.82	-0.29	0.007179749	0.046195493
WBGene00021256	Y22D7AR.2	320.8	376.6	265.0	0.70	-0.51	0.007182947	0.04620382
WBGene00010793	LLC1.2	10870.5	11988.4	9752.6	0.81	-0.30	0.007187451	0.046220547
WBGene00000371	cco-1	30388.0	33260.4	27515.6	0.83	-0.27	0.007200136	0.046289856
WBGene00015032	B0207.9	158.9	211.4	106.4	0.50	-0.99	0.007222325	0.046395651
WBGene00007880	C33A12.1	6937.3	7591.3	6283.3	0.83	-0.27	0.007258074	0.046575998
WBGene00007350	sucl-1	15495.1	17125.6	13864.7	0.81	-0.30	0.00729391	0.046756526
WBGene00007538	C12D8.9	89.0	127.0	51.0	0.40	-1.32	0.007309563	0.046844493
WBGene00001993	hpd-1	28988.1	31924.4	26051.8	0.82	-0.29	0.00732022	0.046875671
WBGene00000768	cor-1	3118.9	3454.2	2783.7	0.81	-0.31	0.00735783	0.047054448
WBGene00011850	T20B3.1	793.5	904.8	682.1	0.75	-0.41	0.007402281	0.047326251
WBGene00016980	C56G2.5	1380.6	1538.4	1222.8	0.79	-0.33	0.007423181	0.047447379
WBGene00015892	C17C3.9	51.6	72.7	30.5	0.42	-1.25	0.007434101	0.047479674
WBGene00195226	ZC404.16	81.2	103.8	58.7	0.57	-0.82	0.007450676	0.047552474
WBGene00003995	pgp-1	1224.0	1485.6	962.4	0.65	-0.63	0.007455294	0.047552474
WBGene00011046	R05H10.7	28.0	43.8	12.3	0.28	-1.84	0.007471501	0.047605816
WBGene00002977	lev-10	2232.8	2478.8	1986.7	0.80	-0.32	0.007469259	0.047605816
WBGene00019261	H34I24.2	14137.7	16266.5	12008.8	0.74	-0.44	0.007499068	0.047753017
WBGene00235294	Y69A2AR.47	16.8	28.3	5.4	0.19	-2.38	0.007506034	0.047775691
WBGene00003856	odr-10	26.9	39.5	14.4	0.36	-1.46	0.00750997	0.047788214
WBGene00021161	Y4C6B.7	1392.4	1551.4	1233.4	0.80	-0.33	0.007517006	0.047820447
WBGene00009824	gpdh-1	1833.4	2251.9	1414.8	0.63	-0.67	0.007521082	0.047833848
WBGene00013941	ZK218.7	5.7	11.4	0.0	0.00	#NAME?	0.007553693	0.048016088
WBGene00003647	nhr-57	395.9	463.6	328.2	0.71	-0.50	0.007561915	0.048025069
WBGene00044911	H38K22.6	115.0	146.7	83.3	0.57	-0.82	0.007596874	0.048189631
WBGene00012777	lact-8	328.2	426.2	230.2	0.54	-0.89	0.007610149	0.048248624

WBGene00045238	rpr-1	12.1	20.9	3.3	0.16	-2.66	0.007637358	0.048408485
WBGene00002012	hsp-12.3	189.0	231.3	146.7	0.63	-0.66	0.007669276	0.048585424
WBGene00020329	bath-26	101.2	145.6	56.8	0.39	-1.36	0.00769694	0.048722535
WBGene00014752	F38E11.8	58.5	86.5	30.6	0.35	-1.50	0.007706112	0.048755168
WBGene00010368	H06A10.1	1802.9	2002.6	1603.3	0.80	-0.32	0.007739501	0.048953652
WBGene00018036	F35C8.5	4387.0	4927.2	3846.7	0.78	-0.36	0.007816167	0.049374255
WBGene00003409	mrp-3	4545.5	5043.0	4048.0	0.80	-0.32	0.00782517	0.049414791
WBGene00017487	F15E6.6	2696.7	3072.0	2321.4	0.76	-0.40	0.007872466	0.049639478
WBGene00021286	tald-1	19477.7	21409.1	17546.2	0.82	-0.29	0.00788635	0.049714107
WBGene00012947	Y47H9C.1	221.8	357.2	86.5	0.24	-2.05	0.00789089	0.049729814
WBGene00009306	maph-1.1	8459.0	9384.7	7533.4	0.80	-0.32	0.007895546	0.049746242
WBGene00013457	paqr-3	124.3	153.9	94.8	0.62	-0.70	0.007908197	0.049811531
WBGene00017103	klo-2	1129.0	1266.9	991.1	0.78	-0.35	0.007910012	0.049811531
WBGene00022597	ZC395.5	197.4	257.8	137.0	0.53	-0.91	0.00791364	0.049821453

Table S2C. Genes upregulated in *ttr-1::gfp* compared to wildtype.

WormBase Gene ID	Public Name	baseMean	baseMean A	baseMean B	FC	log2FC	pval	padj
WBGene00010541	ttr-1	4033.8	651.9	7415.8	11.38	3.51	7.59E-159	1.87E-154
WBGene00010538	ttr-3	6634.3	439.8	12828.9	29.17	4.87	2.56E-105	2.10E-101
WBGene00197819	T01B7.11	157.5	0.3	314.6	1065.00	10.06	6.74E-59	2.07E-55
WBGene00000088	aex-5	3923.3	1694.8	6151.9	3.63	1.86	1.11E-44	2.65E-41
WBGene00010539	ttr-2	247821.9	16527.9	479115.8	28.99	4.86	2.34E-39	4.43E-36
WBGene00017233	lmd-4	594.2	229.5	958.8	4.18	2.06	1.22E-32	1.66E-29
WBGene00017028	dex-1	1132.4	568.1	1696.6	2.99	1.58	1.08E-30	1.39E-27
WBGene00000373	cyp-14A5	2219.8	923.5	3516.2	3.81	1.93	3.36E-29	3.94E-26
WBGene00044316	F41G3.21	453.2	177.7	728.8	4.10	2.04	2.58E-24	2.12E-21
WBGene00004300	ram-2	10802.1	6631.8	14972.5	2.26	1.17	3.32E-21	2.21E-18
WBGene00004397	rol-6	4409.4	124.6	8694.1	69.76	6.12	5.42E-21	3.51E-18
WBGene00003529	nas-10	231.5	3.5	459.4	129.66	7.02	6.96E-21	4.28E-18
WBGene00021909	Y55B1BL.1	2148.3	1376.0	2920.6	2.12	1.09	1.09E-19	6.08E-17
WBGene00016788	C49G7.10	319.4	145.7	493.0	3.38	1.76	1.26E-19	6.87E-17
WBGene00014173	ZK970.7	1422.8	169.5	2676.1	15.79	3.98	9.53E-19	4.69E-16
WBGene00017467	F14F9.4	591.9	236.8	947.0	4.00	2.00	1.27E-18	6.12E-16
WBGene00016063	delm-2	93.8	27.4	160.2	5.84	2.55	3.71E-18	1.69E-15
WBGene00005092	srd-14	375.0	186.1	563.8	3.03	1.60	5.63E-18	2.48E-15
WBGene00015055	pitr-3	440.6	218.3	662.8	3.04	1.60	2.24E-17	9.21E-15
WBGene00044376	Y49F6B.12	77.6	4.2	151.0	36.11	5.17	1.44E-16	5.54E-14
WBGene00021977	Y58A7A.3	928.1	439.0	1417.3	3.23	1.69	9.78E-16	3.56E-13
WBGene00000870	cyd-1	469.6	276.7	662.5	2.39	1.26	9.84E-16	3.56E-13
WBGene00004820	skr-14	356.7	202.8	510.7	2.52	1.33	7.83E-15	2.72E-12
WBGene00012585	lips-15	3347.0	2360.0	4334.0	1.84	0.88	1.42E-14	4.78E-12
WBGene00008797	F14D7.10	108.5	17.6	199.4	11.36	3.51	1.73E-14	5.76E-12
WBGene00007391	C06H2.7	1400.2	950.7	1849.7	1.95	0.96	1.87E-14	6.14E-12
WBGene00007506	C10C5.2	269.5	131.9	407.2	3.09	1.63	4.26E-14	1.35E-11
WBGene00018803	fbxa-24	216.2	105.1	327.3	3.11	1.64	2.14E-13	6.06E-11
WBGene00011042	R05H10.1	315.2	133.0	497.3	3.74	1.90	2.94E-13	8.14E-11
WBGene00010519	K03A11.1	293.8	161.3	426.2	2.64	1.40	3.73E-13	1.01E-10
WBGene00013980	dos-1	504.5	317.1	691.9	2.18	1.13	1.19E-12	2.90E-10
WBGene00007599	C15A11.7	2081.9	1446.1	2717.8	1.88	0.91	1.33E-12	3.20E-10
WBGene00016520	C39B5.2	183.7	95.2	272.2	2.86	1.52	1.51E-12	3.60E-10
WBGene00008476	E03H4.8	941.4	589.0	1293.8	2.20	1.14	1.83E-12	4.30E-10
WBGene00018099	ztf-28	1402.9	992.2	1813.6	1.83	0.87	2.77E-12	6.36E-10
WBGene00017698	F22B7.9	759.5	475.2	1043.9	2.20	1.14	9.03E-12	1.90E-09
WBGene00008739	F13D12.3	2575.3	1699.9	3450.6	2.03	1.02	9.76E-12	2.04E-09
WBGene00019327	zip-2	13062.3	9835.2	16289.5	1.66	0.73	9.92E-12	2.04E-09
WBGene00009429	irg-5	18116.2	7778.6	28453.9	3.66	1.87	1.00E-11	2.04E-09
WBGene00012021	T25E12.6	185.1	99.1	271.1	2.74	1.45	1.90E-11	3.72E-09
WBGene00004052	parg-2	161.4	25.0	297.7	11.91	3.57	1.96E-11	3.80E-09
WBGene00003551	nas-33	540.6	286.9	794.3	2.77	1.47	2.18E-11	4.16E-09
WBGene00022741	ZK430.5	116.0	50.0	182.0	3.64	1.86	2.49E-11	4.68E-09
WBGene00003979	pes-5	923.6	652.7	1194.6	1.83	0.87	3.00E-11	5.55E-09
WBGene00021979	Y58A7A.5	204.1	91.4	316.8	3.47	1.79	5.08E-11	9.19E-09
WBGene00016486	fbxa-170	954.4	678.7	1230.1	1.81	0.86	5.62E-11	1.00E-08
WBGene00016485	meg-4	3343.8	2476.5	4211.1	1.70	0.77	8.37E-11	1.46E-08
WBGene00011642	T09B9.1	1263.1	862.3	1663.8	1.93	0.95	9.21E-11	1.60E-08
WBGene00016596	C42D4.3	5137.9	999.1	9276.7	9.29	3.21	1.07E-10	1.83E-08
WBGene00002125	inx-3	3658.0	2761.5	4554.6	1.65	0.72	1.54E-10	2.56E-08
WBGene00194690	T05D4.6	33.2	0.0	66.3	Inf	Inf	1.86E-10	2.99E-08
WBGene00020438	T12A2.3	114.8	47.2	182.4	3.86	1.95	1.92E-10	3.05E-08
WBGene00013254	tag-276	144.0	53.2	234.7	4.41	2.14	1.95E-10	3.08E-08
WBGene00018418	F44E2.4	1343.5	619.2	2067.8	3.34	1.74	1.98E-10	3.11E-08
WBGene00016453	vet-2	742.8	385.7	1099.8	2.85	1.51	2.00E-10	3.11E-08
WBGene00021928	Y55F3AM.11	779.6	510.4	1048.8	2.05	1.04	2.22E-10	3.43E-08
WBGene00021247	Y22D7AL.9	954.1	684.0	1224.2	1.79	0.84	2.40E-10	3.64E-08
WBGene00004771	sem-2	835.5	599.3	1071.6	1.79	0.84	3.26E-10	4.80E-08
WBGene00013646	Y105C5B.3	29.1	2.1	56.2	26.88	4.75	3.73E-10	5.46E-08
WBGene00021625	Y47D7A.13	5002.4	1744.6	8260.1	4.73	2.24	3.86E-10	5.62E-08
WBGene00002124	inx-2	1455.5	1082.3	1828.7	1.69	0.76	5.08E-10	7.27E-08

WBGene00016064	acd-1	237.9	127.9	347.9	2.72	1.44	5.37E-10	7.61E-08
WBGene00009939	ztf-11	853.4	611.4	1095.4	1.79	0.84	6.14E-10	8.64E-08
WBGene00012942	Y47D3B.6	965.4	367.5	1563.4	4.25	2.09	7.23E-10	1.01E-07
WBGene00012814	Y43F8B.3	350.9	137.2	564.5	4.11	2.04	1.24E-09	1.66E-07
WBGene00022262	Y73C8C.3	78.7	30.8	126.5	4.11	2.04	1.39E-09	1.83E-07
WBGene00021504	Y41D4A.1	33.2	2.6	63.7	24.12	4.59	1.43E-09	1.87E-07
WBGene00008964	mltn-9	545.9	316.9	774.9	2.45	1.29	1.78E-09	2.27E-07
WBGene00016361	drd-10	207.0	113.6	300.5	2.64	1.40	1.87E-09	2.37E-07
WBGene00020665	T22B2.1	167.1	56.2	278.0	4.95	2.31	2.02E-09	2.53E-07
WBGene00007366	C06B3.7	78.7	25.8	131.5	5.09	2.35	2.08E-09	2.58E-07
WBGene00015076	B0238.12	634.3	426.9	841.8	1.97	0.98	2.25E-09	2.75E-07
WBGene00017843	F26G5.1	2271.7	1739.2	2804.1	1.61	0.69	2.62E-09	3.17E-07
WBGene00007934	C34E7.4	2884.6	2144.2	3625.0	1.69	0.76	2.81E-09	3.37E-07
WBGene00018293	F41E6.12	2767.2	2112.7	3421.6	1.62	0.70	3.74E-09	4.37E-07
WBGene00011898	T21C9.13	8735.7	6853.1	10618.4	1.55	0.63	4.23E-09	4.89E-07
WBGene00011286	ttr-29	249.9	139.5	360.4	2.58	1.37	4.62E-09	5.29E-07
WBGene00016147	cyp-32A1	785.9	512.0	1059.7	2.07	1.05	4.64E-09	5.29E-07
WBGene00006431	tag-52	1760.9	1341.6	2180.2	1.63	0.70	4.67E-09	5.30E-07
WBGene00010051	F54D5.5	3264.6	2525.7	4003.6	1.59	0.66	4.90E-09	5.53E-07
WBGene00020261	vet-1	244.2	104.0	384.3	3.69	1.88	5.67E-09	6.35E-07
WBGene00010831	M02G9.2	64.0	20.9	107.0	5.12	2.36	5.77E-09	6.43E-07
WBGene00004226	ptr-12	794.9	567.3	1022.5	1.80	0.85	5.95E-09	6.57E-07
WBGene00013079	ttr-26	747.7	470.2	1025.1	2.18	1.12	6.46E-09	7.07E-07
WBGene00017538	ceh-49	1232.1	929.1	1535.2	1.65	0.72	6.84E-09	7.42E-07
WBGene00001730	grl-21	1350.1	374.6	2325.6	6.21	2.63	6.91E-09	7.46E-07
WBGene00019388	K04F1.9	873.6	561.5	1185.6	2.11	1.08	7.34E-09	7.82E-07
WBGene00016667	C45E5.4	718.8	502.9	934.7	1.86	0.89	1.15E-08	1.18E-06
WBGene00007985	swah-1	2674.3	2046.9	3301.6	1.61	0.69	1.15E-08	1.18E-06
WBGene00021978	Y58A7A.4	57.7	4.7	110.6	23.38	4.55	1.17E-08	1.19E-06
WBGene00016939	C55B6.1	1528.9	1166.0	1891.8	1.62	0.70	1.21E-08	1.23E-06
WBGene00010609	dut-1	21908.6	17457.7	26359.6	1.51	0.59	1.22E-08	1.23E-06
WBGene00022649	ZK84.1	4746.2	1352.4	8139.9	6.02	2.59	1.30E-08	1.31E-06
WBGene00013926	nep-1	2810.1	2194.5	3425.7	1.56	0.64	1.34E-08	1.33E-06
WBGene00008784	F14B6.3	91.2	37.2	145.2	3.90	1.96	1.47E-08	1.44E-06
WBGene00022653	ZK105.1	4464.7	3504.5	5424.9	1.55	0.63	1.56E-08	1.52E-06
WBGene00007225	C01G6.3	6026.8	4399.1	7654.6	1.74	0.80	1.72E-08	1.67E-06
WBGene00017068	D2092.8	69.1	22.3	115.9	5.19	2.38	1.73E-08	1.67E-06
WBGene00014143	ZK899.5	18.2	1.5	34.9	23.48	4.55	1.89E-08	1.80E-06
WBGene00000033	abu-10	695.2	258.6	1131.9	4.38	2.13	1.88E-08	1.80E-06
WBGene00022488	orc-3	4176.8	3289.3	5064.4	1.54	0.62	2.00E-08	1.89E-06
WBGene00003887	osm-7	2011.4	1554.0	2468.8	1.59	0.67	2.12E-08	1.99E-06
WBGene00016303	fbxc-32	960.1	702.7	1217.4	1.73	0.79	2.31E-08	2.16E-06
WBGene00000034	abu-11	805.7	277.5	1334.0	4.81	2.27	2.50E-08	2.33E-06
WBGene00021600	Y46H3A.4	110.5	49.3	171.8	3.48	1.80	2.77E-08	2.55E-06
WBGene00000718	col-145	3753.0	1865.8	5640.3	3.02	1.60	2.93E-08	2.65E-06
WBGene00018355	ceh-86	327.8	224.3	431.4	1.92	0.94	3.02E-08	2.72E-06
WBGene00011535	T06E4.8	272.5	87.7	457.4	5.22	2.38	3.05E-08	2.74E-06
WBGene00013331	Y57G11C.42	740.0	469.8	1010.3	2.15	1.10	3.12E-08	2.78E-06
WBGene00004123	pqn-36	531.0	281.4	780.6	2.77	1.47	3.20E-08	2.82E-06
WBGene00000665	col-90	619.8	176.7	1063.0	6.02	2.59	3.23E-08	2.84E-06
WBGene00019584	set-12	182.5	113.1	251.9	2.23	1.16	3.26E-08	2.85E-06
WBGene00011524	T06D8.3	175.9	92.1	259.7	2.82	1.50	3.31E-08	2.88E-06
WBGene00000556	cnc-2	51.7	9.5	94.0	9.89	3.31	3.48E-08	3.01E-06
WBGene00006393	taf-11.1	714.0	494.9	933.2	1.89	0.92	3.67E-08	3.17E-06
WBGene00009803	F47B8.2	689.4	496.2	882.6	1.78	0.83	3.75E-08	3.23E-06
WBGene00004222	ptr-8	2756.2	1745.6	3766.9	2.16	1.11	4.21E-08	3.55E-06
WBGene00006547	tbx-11	122.8	55.6	189.9	3.42	1.77	4.30E-08	3.61E-06
WBGene00006552	tbx-33	552.6	401.9	703.3	1.75	0.81	4.46E-08	3.72E-06
WBGene00017083	kin-33	126.0	69.2	182.8	2.64	1.40	4.77E-08	3.93E-06
WBGene00003999	pgp-5	3525.1	1648.4	5401.7	3.28	1.71	4.99E-08	4.08E-06
WBGene00012436	flh-3	1954.7	1487.3	2422.2	1.63	0.70	5.06E-08	4.12E-06
WBGene00001119	dyf-3	429.4	256.8	601.9	2.34	1.23	6.43E-08	5.12E-06
WBGene00001387	far-3	3238.7	688.6	5788.9	8.41	3.07	7.05E-08	5.56E-06
WBGene00018037	chtl-1	4062.6	3208.1	4917.0	1.53	0.62	7.04E-08	5.56E-06
WBGene00007177	oac-1	20.1	0.6	39.6	67.52	6.08	7.21E-08	5.67E-06

WBGene00022816	fbn-1	545.6	391.1	700.1	1.79	0.84	8.70E-08	6.76E-06
WBGene00018696	pho-6	193.7	111.7	275.7	2.47	1.30	1.07E-07	8.18E-06
WBGene00003601	nhr-2	1021.7	755.7	1287.8	1.70	0.77	1.08E-07	8.24E-06
WBGene00018786	hmbx-1	778.7	584.4	973.1	1.67	0.74	1.22E-07	9.22E-06
WBGene00009651	F43D2.2	1563.4	1216.3	1910.6	1.57	0.65	1.26E-07	9.45E-06
WBGene00044132	C23H4.8	263.4	158.0	368.8	2.33	1.22	1.50E-07	1.10E-05
WBGene00020948	era-1	19050.8	15428.7	22672.9	1.47	0.56	1.51E-07	1.10E-05
WBGene00009606	F40G12.11	2379.6	1894.6	2864.5	1.51	0.60	1.73E-07	1.24E-05
WBGene00011168	R09D1.12	65.6	25.6	105.5	4.11	2.04	1.82E-07	1.28E-05
WBGene00010931	M162.5	182.3	109.6	255.1	2.33	1.22	1.81E-07	1.28E-05
WBGene00010555	K04C1.5	4194.6	3332.1	5057.1	1.52	0.60	1.81E-07	1.28E-05
WBGene00019113	F59E11.7	200.1	121.5	278.7	2.29	1.20	1.97E-07	1.36E-05
WBGene00018031	F35B3.4	1278.3	324.2	2232.4	6.89	2.78	2.06E-07	1.42E-05
WBGene00003554	nas-38	742.0	246.7	1237.2	5.02	2.33	2.11E-07	1.44E-05
WBGene00019817	R02C2.6	44.4	16.0	72.8	4.56	2.19	2.10E-07	1.44E-05
WBGene00017466	F14F9.3	47.8	12.8	82.8	6.49	2.70	2.18E-07	1.48E-05
WBGene00015169	B0403.5	1296.2	630.3	1962.1	3.11	1.64	2.26E-07	1.52E-05
WBGene00007642	C17E4.2	65.0	23.3	106.6	4.58	2.19	2.30E-07	1.55E-05
WBGene00017743	F23F1.2	127.7	42.3	213.2	5.04	2.33	2.51E-07	1.68E-05
WBGene00001439	fkh-7	1573.3	1220.3	1926.2	1.58	0.66	2.64E-07	1.74E-05
WBGene00021763	Y51F10.2	14002.5	11275.0	16729.9	1.48	0.57	2.64E-07	1.74E-05
WBGene00006996	zyg-11	18608.4	15171.5	22045.3	1.45	0.54	2.69E-07	1.76E-05
WBGene00000687	col-113	1780.4	360.1	3200.7	8.89	3.15	2.75E-07	1.78E-05
WBGene00004750	sea-1	1203.7	857.3	1550.1	1.81	0.85	2.78E-07	1.79E-05
WBGene00015759	C14C6.5	6630.2	4039.9	9220.6	2.28	1.19	2.96E-07	1.88E-05
WBGene00013086	arrd-2	194.5	87.2	301.9	3.46	1.79	3.04E-07	1.92E-05
WBGene00003395	mom-2	9276.0	7543.9	11008.2	1.46	0.55	3.28E-07	2.06E-05
WBGene00077691	T06E4.14	451.2	160.9	741.6	4.61	2.20	3.37E-07	2.10E-05
WBGene00012247	W04E12.2	170.2	104.7	235.7	2.25	1.17	3.70E-07	2.30E-05
WBGene00010492	meg-1	14328.8	11700.2	16957.3	1.45	0.54	4.28E-07	2.63E-05
WBGene00011536	T06E4.9	309.5	103.8	515.3	4.97	2.31	4.33E-07	2.65E-05
WBGene00022265	Y73C8C.8	119.0	58.8	179.2	3.05	1.61	4.78E-07	2.87E-05
WBGene00014199	ZK1053.4	574.5	369.9	779.1	2.11	1.07	4.74E-07	2.87E-05
WBGene00012757	Y41C4A.11	355.8	250.8	460.8	1.84	0.88	4.76E-07	2.87E-05
WBGene00012546	Y37D8A.4	2129.8	1705.1	2554.5	1.50	0.58	4.77E-07	2.87E-05
WBGene00021084	W08E12.3	99.8	19.2	180.3	9.37	3.23	5.53E-07	3.30E-05
WBGene00004819	skr-13	137.4	68.7	206.2	3.00	1.59	5.81E-07	3.45E-05
WBGene00009287	psf-2	187.5	121.0	254.0	2.10	1.07	5.83E-07	3.45E-05
WBGene00000663	col-88	3261.5	1720.9	4802.0	2.79	1.48	6.00E-07	3.53E-05
WBGene00003734	nhx-6	15.2	0.0	30.4	Inf	Inf	6.17E-07	3.59E-05
WBGene00019184	H10E21.4	462.1	172.9	751.4	4.35	2.12	6.16E-07	3.59E-05
WBGene00011706	T11B7.1	330.7	230.6	430.8	1.87	0.90	6.17E-07	3.59E-05
WBGene00020758	T24C4.2	345.4	220.2	470.7	2.14	1.10	6.22E-07	3.61E-05
WBGene00003111	mab-20	1309.3	1028.4	1590.2	1.55	0.63	6.71E-07	3.87E-05
WBGene00022679	ZK180.5	3751.3	1229.3	6273.3	5.10	2.35	6.84E-07	3.93E-05
WBGene00015756	C14C6.2	1765.2	1386.8	2143.6	1.55	0.63	7.12E-07	4.05E-05
WBGene00021580	clec-174	80.5	35.1	125.9	3.59	1.84	7.38E-07	4.20E-05
WBGene00003151	mca-1	14368.5	11751.4	16985.6	1.45	0.53	8.15E-07	4.58E-05
WBGene00003976	pes-1	198.6	131.7	265.6	2.02	1.01	8.69E-07	4.83E-05
WBGene00006650	tts-1	418.6	112.3	724.9	6.45	2.69	8.80E-07	4.88E-05
WBGene00006804	unc-71	9976.9	7933.0	12020.8	1.52	0.60	8.84E-07	4.89E-05
WBGene00045475	T07A5.7	198.6	126.8	270.5	2.13	1.09	8.87E-07	4.90E-05
WBGene00012673	dyf-17	558.7	409.0	708.5	1.73	0.79	9.16E-07	5.04E-05
WBGene00000610	col-33	43.6	13.2	74.1	5.60	2.49	9.25E-07	5.07E-05
WBGene00020444	T12B3.1	71.0	33.2	108.8	3.28	1.71	9.43E-07	5.15E-05
WBGene00007804	C29F3.3	46.8	8.1	85.4	10.56	3.40	9.70E-07	5.27E-05
WBGene00011894	ttr-23	179.1	112.0	246.1	2.20	1.14	1.06E-06	5.68E-05
WBGene00019756	M03E7.4	52.3	17.3	87.2	5.03	2.33	1.09E-06	5.80E-05
WBGene00020379	T09B4.5	1128.9	775.4	1482.4	1.91	0.93	1.12E-06	5.93E-05
WBGene00013699	Y106G6D.2	58.7	25.0	92.4	3.69	1.88	1.12E-06	5.95E-05
WBGene00010185	F57A10.4	995.7	774.5	1216.8	1.57	0.65	1.14E-06	6.05E-05
WBGene00010149	F56D5.5	262.7	185.1	340.3	1.84	0.88	1.19E-06	6.27E-05
WBGene00009899	efl-3	658.6	505.3	811.8	1.61	0.68	1.34E-06	6.96E-05
WBGene00007903	lgc-21	552.2	200.2	904.3	4.52	2.18	1.36E-06	7.04E-05
WBGene00000884	cyn-8	1495.4	1195.7	1795.1	1.50	0.59	1.37E-06	7.07E-05

WBGene00007999	tag-297	1695.7	338.4	3053.0	9.02	3.17	1.39E-06	7.19E-05
WBGene00009331	F32D8.7	315.0	140.7	489.3	3.48	1.80	1.40E-06	7.21E-05
WBGene00003155	mcm-3	25969.4	21466.2	30472.6	1.42	0.51	1.43E-06	7.32E-05
WBGene00004139	pqn-54	932.5	462.6	1402.4	3.03	1.60	1.49E-06	7.62E-05
WBGene00016424	C34H4.1	1172.7	780.4	1565.1	2.01	1.00	1.50E-06	7.63E-05
WBGene00018966	F56D2.5	457.3	333.2	581.3	1.74	0.80	1.55E-06	7.87E-05
WBGene00021085	W08E12.4	66.1	10.5	121.7	11.57	3.53	1.58E-06	7.95E-05
WBGene00000082	adt-1	565.6	303.4	827.7	2.73	1.45	1.58E-06	7.95E-05
WBGene00044011	T06E4.12	486.5	172.2	800.9	4.65	2.22	1.61E-06	8.05E-05
WBGene00016146	C26F1.1	381.4	231.7	531.2	2.29	1.20	1.74E-06	8.67E-05
WBGene00000641	col-65	1076.3	437.2	1715.4	3.92	1.97	1.79E-06	8.87E-05
WBGene00006331	sup-26	5094.3	4170.5	6018.0	1.44	0.53	1.88E-06	9.24E-05
WBGene00000735	col-162	2938.3	1688.0	4188.6	2.48	1.31	1.92E-06	9.44E-05
WBGene00004078	pos-1	53685.1	44513.8	62856.4	1.41	0.50	2.00E-06	9.75E-05
WBGene00015805	C15H9.11	471.9	350.4	593.3	1.69	0.76	2.00E-06	9.76E-05
WBGene00021293	Y25C1A.6	128.0	44.8	211.2	4.72	2.24	2.01E-06	9.80E-05
WBGene00020025	R12C12.5	2888.1	2357.9	3418.2	1.45	0.54	2.03E-06	9.83E-05
WBGene00006902	vet-6	321.5	96.8	546.2	5.64	2.50	2.08E-06	0.000100993
WBGene00077593	C49G7.12	89.3	43.0	135.7	3.16	1.66	2.19E-06	0.000105424
WBGene00000465	cpg-1	152186.4	126226.4	178146.5	1.41	0.50	2.26E-06	0.000108528
WBGene00021464	ugt-31	559.2	404.0	714.4	1.77	0.82	2.30E-06	0.000110614
WBGene00020242	phat-5	76.1	8.6	143.6	16.64	4.06	2.33E-06	0.000111166
WBGene00003043	lip-1	9696.2	7998.1	11394.3	1.42	0.51	2.45E-06	0.000116315
WBGene00016659	C45B2.2	3141.8	1614.2	4669.4	2.89	1.53	2.47E-06	0.000116564
WBGene00013082	grdn-1	1038.1	810.4	1265.8	1.56	0.64	2.52E-06	0.000118777
WBGene00018436	fbxb-11	31.5	8.5	54.5	6.44	2.69	2.57E-06	0.00012056
WBGene00021629	scpl-3	1286.5	1023.0	1550.0	1.52	0.60	2.62E-06	0.000122148
WBGene00018437	btb-8	48.1	22.5	73.7	3.28	1.71	2.68E-06	0.000124645
WBGene00000460	ceh-39	1857.6	1502.1	2213.0	1.47	0.56	2.71E-06	0.000125704
WBGene00018446	ceh-83	1236.6	989.4	1483.7	1.50	0.58	2.73E-06	0.000126372
WBGene00008080	C44B9.3	2309.8	1880.0	2739.6	1.46	0.54	2.76E-06	0.000127396
WBGene00019839	R02F11.1	157.0	48.1	265.8	5.52	2.47	2.78E-06	0.000128068
WBGene00000387	cdc-25.2	2877.2	2175.9	3578.6	1.64	0.72	2.87E-06	0.000131574
WBGene00003865	oma-2	39917.9	33245.4	46590.3	1.40	0.49	2.92E-06	0.000133023
WBGene00020290	T06D4.1	4280.3	3529.7	5031.0	1.43	0.51	3.02E-06	0.0001365
WBGene00022383	Y95B8A.2	561.9	264.3	859.4	3.25	1.70	3.09E-06	0.000139615
WBGene00022586	ZC308.4	6607.2	5229.7	7984.8	1.53	0.61	3.11E-06	0.000140237
WBGene00021419	eri-5	2286.9	1831.5	2742.3	1.50	0.58	3.14E-06	0.000141536
WBGene00019967	cyp-33C8	922.6	685.1	1160.0	1.69	0.76	3.36E-06	0.000149937
WBGene00003231	mex-6	35527.2	29572.8	41481.5	1.40	0.49	3.40E-06	0.000151577
WBGene00003983	pes-10	72.2	18.2	126.2	6.93	2.79	3.46E-06	0.000153816
WBGene00011505	pzf-1	1112.1	824.0	1400.2	1.70	0.76	3.56E-06	0.000157417
WBGene00019153	H04M03.3	1541.7	1121.7	1961.8	1.75	0.81	3.70E-06	0.000162365
WBGene00004163	pqn-82	2060.3	1614.0	2506.5	1.55	0.64	3.79E-06	0.00016602
WBGene00016783	irg-2	97.9	38.3	157.4	4.11	2.04	3.80E-06	0.000166047
WBGene00003548	nas-30	276.8	118.5	435.0	3.67	1.88	3.91E-06	0.000170545
WBGene00017263	F08F3.6	4157.2	3391.7	4922.7	1.45	0.54	4.03E-06	0.000174143
WBGene00011285	ttr-28	155.0	95.2	214.8	2.26	1.17	4.05E-06	0.000174533
WBGene00000734	col-161	5009.4	2948.3	7070.4	2.40	1.26	4.28E-06	0.00018334
WBGene00004000	pgp-6	2152.1	1162.2	3142.1	2.70	1.43	4.49E-06	0.000191365
WBGene00022038	Y65B4BL.6	75.5	32.9	118.1	3.59	1.85	4.60E-06	0.000195202
WBGene00018470	F45E4.5	615.9	274.3	957.6	3.49	1.80	4.80E-06	0.000203494
WBGene00016164	C27D9.2	35.8	10.9	60.7	5.56	2.48	4.82E-06	0.000203585
WBGene00020433	T11F8.1	936.2	739.2	1133.3	1.53	0.62	4.83E-06	0.000203801
WBGene00009186	trcs-1	32992.6	27630.6	38354.6	1.39	0.47	4.91E-06	0.000205911
WBGene00001820	ham-1	262.9	170.0	355.8	2.09	1.07	5.17E-06	0.000215919
WBGene00015545	C06G1.1	808.9	511.5	1106.4	2.16	1.11	5.26E-06	0.000218922
WBGene00007479	C09F9.2	296.2	145.2	447.2	3.08	1.62	5.34E-06	0.000221469
WBGene00004765	sel-8	3163.1	2604.5	3721.8	1.43	0.52	5.42E-06	0.000224318
WBGene00003736	nhx-9	1079.0	855.5	1302.5	1.52	0.61	5.59E-06	0.000230125
WBGene00010120	dot-1.4	78.4	43.9	112.9	2.57	1.36	5.65E-06	0.000231793
WBGene00013418	Y65A5A.1	143.6	90.1	197.1	2.19	1.13	5.64E-06	0.000231793
WBGene00018601	F48C1.9	59.7	0.3	119.2	406.21	8.67	5.69E-06	0.000233153
WBGene00010124	F55G11.4	8227.6	3663.2	12792.1	3.49	1.80	5.76E-06	0.000235155
WBGene00000461	ceh-40	251.7	147.8	355.5	2.41	1.27	5.78E-06	0.000235155

WBGene00000681	col-107	2241.6	892.9	3590.3	4.02	2.01	5.82E-06	0.000236407
WBGene00009086	F23D12.2	1014.6	774.4	1254.9	1.62	0.70	5.89E-06	0.000238511
WBGene00044728	Y53F4B.45	4092.1	3390.1	4794.1	1.41	0.50	5.99E-06	0.000241716
WBGene00001981	hnd-1	85.3	48.8	121.8	2.50	1.32	6.60E-06	0.000265037
WBGene00001949	hlh-2	1464.0	1179.3	1748.7	1.48	0.57	6.63E-06	0.00026519
WBGene00002008	hsp-4	48185.2	40477.4	55893.0	1.38	0.47	6.63E-06	0.00026519
WBGene00020803	T25E4.1	211.6	70.8	352.4	4.98	2.32	6.77E-06	0.000269146
WBGene00009257	F29G6.1	293.8	174.1	413.4	2.38	1.25	6.76E-06	0.000269146
WBGene00020033	R12E2.7	750.4	238.5	1262.3	5.29	2.40	6.90E-06	0.000273362
WBGene00001470	baz-2	3408.1	2818.9	3997.3	1.42	0.50	6.91E-06	0.000273622
WBGene00001435	fkh-3	379.5	266.2	492.7	1.85	0.89	7.10E-06	0.000279972
WBGene00022181	pho-9	384.0	251.7	516.3	2.05	1.04	7.21E-06	0.000283454
WBGene00009361	F33E2.5	594.2	437.2	751.2	1.72	0.78	7.37E-06	0.00028808
WBGene00004027	pie-1	6338.7	5280.7	7396.7	1.40	0.49	7.54E-06	0.000291236
WBGene00011838	T19C4.1	236.7	152.9	320.5	2.10	1.07	7.85E-06	0.000301901
WBGene00008477	clec-17	184.8	119.6	250.0	2.09	1.06	8.00E-06	0.000306139
WBGene00004821	skr-15	510.0	334.0	686.1	2.05	1.04	8.10E-06	0.000309334
WBGene00020208	T04C4.1	6954.2	5801.0	8107.5	1.40	0.48	8.30E-06	0.000316494
WBGene00017461	bath-28	1591.3	1292.6	1890.1	1.46	0.55	8.34E-06	0.000317453
WBGene00001606	gln-5	19666.4	16501.6	22831.2	1.38	0.47	8.65E-06	0.000326339
WBGene00019917	clec-43	304.9	219.6	390.2	1.78	0.83	8.85E-06	0.000330134
WBGene00011820	T18D3.1	1326.6	1075.3	1577.9	1.47	0.55	9.13E-06	0.000339715
WBGene00009539	F38C2.7	18.5	3.9	33.1	8.41	3.07	9.25E-06	0.000342461
WBGene00008449	E01G6.1	331.1	80.5	581.7	7.23	2.85	9.69E-06	0.000357077
WBGene00000666	col-91	2401.5	1306.0	3497.1	2.68	1.42	9.93E-06	0.000365301
WBGene00001079	dpy-20	60.6	26.1	95.0	3.64	1.86	9.97E-06	0.000366204
WBGene00017140	EEED8.12	94.0	54.0	134.0	2.48	1.31	1.04E-05	0.00038106
WBGene00019518	K08B5.1	521.8	319.1	724.5	2.27	1.18	1.05E-05	0.00038106
WBGene00013432	Y66D12A.6	486.4	374.2	598.7	1.60	0.68	1.05E-05	0.00038106
WBGene00014131	sdz-38	27.5	6.9	48.1	6.97	2.80	1.07E-05	0.000386529
WBGene00007640	C17D12.7	3470.3	2888.3	4052.3	1.40	0.49	1.09E-05	0.000395657
WBGene00005657	srr-6	51.9	18.9	84.9	4.48	2.16	1.12E-05	0.00040229
WBGene00009834	lsy-27	1337.4	1081.8	1593.1	1.47	0.56	1.14E-05	0.000410954
WBGene00008652	F10D11.6	2809.7	1849.1	3770.3	2.04	1.03	1.17E-05	0.000419535
WBGene00012851	Y44A6C.2	73.4	31.4	115.3	3.67	1.88	1.18E-05	0.000422432
WBGene00017471	F14H12.3	408.1	260.6	555.7	2.13	1.09	1.18E-05	0.000422432
WBGene00002117	ins-34	144.5	98.8	190.2	1.92	0.94	1.21E-05	0.000428474
WBGene00044371	ZC239.20	12.8	2.1	23.5	10.97	3.46	1.22E-05	0.000433833
WBGene00017429	F13D11.4	561.6	397.8	725.5	1.82	0.87	1.24E-05	0.000436384
WBGene00004236	ptr-22	54.5	15.3	93.6	6.11	2.61	1.25E-05	0.000439652
WBGene00017048	D2021.4	369.7	274.9	464.6	1.69	0.76	1.26E-05	0.000444486
WBGene00017052	D2024.4	35.0	10.5	59.5	5.66	2.50	1.27E-05	0.00044699
WBGene00006869	vab-2	280.1	204.7	355.5	1.74	0.80	1.29E-05	0.000450264
WBGene00000664	col-89	304.8	199.1	410.5	2.06	1.04	1.33E-05	0.000460351
WBGene00019759	M03F4.6	332.3	200.4	464.2	2.32	1.21	1.36E-05	0.000470183
WBGene00000503	cht-1	631.3	269.5	993.2	3.69	1.88	1.36E-05	0.000472156
WBGene00001429	fkb-4	277.2	164.7	389.8	2.37	1.24	1.38E-05	0.000476253
WBGene00004728	sax-2	15151.1	12734.3	17568.0	1.38	0.46	1.39E-05	0.000477588
WBGene00012686	Y39B6A.27	258.4	187.2	329.7	1.76	0.82	1.39E-05	0.000477657
WBGene00019418	fbxb-54	27.3	9.1	45.5	5.02	2.33	1.40E-05	0.000479492
WBGene00020421	T10E10.4	146.7	49.0	244.4	4.99	2.32	1.40E-05	0.000480103
WBGene00003653	nhr-63	146.0	93.2	198.8	2.13	1.09	1.43E-05	0.000486788
WBGene00003184	mei-2	8838.6	7386.1	10291.2	1.39	0.48	1.43E-05	0.000487986
WBGene00021343	cutl-23	257.6	157.4	357.8	2.27	1.18	1.44E-05	0.000490992
WBGene00008490	F01D4.8	169.2	84.5	254.0	3.01	1.59	1.47E-05	0.000496535
WBGene00006868	vab-1	13165.2	11088.4	15242.0	1.37	0.46	1.47E-05	0.000497354
WBGene00008537	F02H6.4	921.3	737.3	1105.3	1.50	0.58	1.49E-05	0.000500553
WBGene00006619	try-1	3165.5	2474.2	3856.8	1.56	0.64	1.51E-05	0.000507569
WBGene00012888	sas-6	6828.4	5754.8	7902.0	1.37	0.46	1.52E-05	0.000510258
WBGene00010319	F59B10.3	121.4	66.7	176.2	2.64	1.40	1.53E-05	0.000510538
WBGene00018730	F53A9.7	261.5	158.7	364.3	2.30	1.20	1.54E-05	0.000512204
WBGene00004028	pif-1	3470.8	2895.9	4045.7	1.40	0.48	1.54E-05	0.000512204
WBGene00010464	K01D12.5	175.5	70.3	280.7	3.99	2.00	1.68E-05	0.000554939
WBGene00018442	sdz-18	12.4	1.2	23.6	19.00	4.25	1.71E-05	0.000563539
WBGene00011615	lsd-1	1381.8	1131.9	1631.7	1.44	0.53	1.78E-05	0.000583754

WBGene00018645	F49F1.5	1049.2	662.2	1436.3	2.17	1.12	1.79E-05	0.000586414
WBGene00017073	D2096.6	288.4	103.3	473.5	4.58	2.20	1.79E-05	0.000586591
WBGene00000689	col-115	250.8	92.8	408.7	4.41	2.14	1.80E-05	0.000588693
WBGene00019901	R05G6.9	21.7	3.9	39.4	10.16	3.34	1.82E-05	0.000594459
WBGene00019130	gbas-1	3912.7	3282.2	4543.2	1.38	0.47	1.84E-05	0.000598297
WBGene00015971	swsn-2.2	5640.5	4741.7	6539.4	1.38	0.46	1.85E-05	0.000600792
WBGene00000683	col-109	1603.1	512.7	2693.5	5.25	2.39	1.89E-05	0.000610586
WBGene00004174	abu-14	1789.6	681.4	2897.8	4.25	2.09	1.89E-05	0.000610586
WBGene00010714	mam-3	74.3	33.9	114.7	3.38	1.76	1.89E-05	0.000610586
WBGene00003689	nhr-99	208.5	144.5	272.6	1.89	0.92	1.89E-05	0.000610586
WBGene00015171	vang-1	751.7	602.6	900.8	1.49	0.58	1.89E-05	0.000610586
WBGene00003568	ncx-3	1363.1	1108.8	1617.4	1.46	0.54	1.92E-05	0.000619302
WBGene00000704	col-130	1735.0	804.1	2665.8	3.32	1.73	1.95E-05	0.000627027
WBGene00016427	C34H4.5	638.4	504.1	772.7	1.53	0.62	1.97E-05	0.000629492
WBGene00016822	C50E3.11	1291.9	1018.5	1565.2	1.54	0.62	2.05E-05	0.000653737
WBGene00004156	pqn-74	2709.9	1669.6	3750.3	2.25	1.17	2.09E-05	0.000664427
WBGene00000603	col-14	3888.7	1522.5	6255.0	4.11	2.04	2.15E-05	0.000680255
WBGene00021435	Y39A3A.4	43.9	15.5	72.2	4.66	2.22	2.20E-05	0.000695552
WBGene00000031	abu-8	1355.3	506.0	2204.6	4.36	2.12	2.27E-05	0.000710995
WBGene00010832	M02G9.3	28.2	7.8	48.6	6.24	2.64	2.29E-05	0.000716553
WBGene00012783	Y43C5A.3	850.4	679.5	1021.4	1.50	0.59	2.30E-05	0.000717937
WBGene00017364	clec-7	1382.6	985.7	1779.6	1.81	0.85	2.32E-05	0.000724192
WBGene00008047	lact-7	99.6	57.7	141.4	2.45	1.29	2.36E-05	0.000736365
WBGene00018292	F41E6.11	387.8	141.3	634.2	4.49	2.17	2.37E-05	0.000738105
WBGene00007295	C04C11.1	375.8	277.9	473.8	1.70	0.77	2.39E-05	0.000742914
WBGene00017934	F30B5.4	6408.0	5403.0	7413.0	1.37	0.46	2.44E-05	0.000757363
WBGene00012729	Y39G8B.10	13.5	0.6	26.5	44.92	5.49	2.50E-05	0.000773259
WBGene00015559	npr-17	234.5	164.6	304.3	1.85	0.89	2.50E-05	0.000773259
WBGene00012431	Y11D7A.7	2077.0	1722.9	2431.1	1.41	0.50	2.51E-05	0.000774306
WBGene00011435	T04D3.8	390.8	263.7	517.9	1.96	0.97	2.55E-05	0.000782604
WBGene00007808	best-7	1168.9	919.9	1418.0	1.54	0.62	2.58E-05	0.000790748
WBGene00019799	M151.7	1543.9	1253.1	1834.6	1.46	0.55	2.64E-05	0.000808232
WBGene00003527	nas-8	211.2	132.9	289.4	2.18	1.12	2.69E-05	0.000821039
WBGene00004008	pgp-14	3096.4	2201.3	3991.6	1.81	0.86	2.75E-05	0.00083629
WBGene00012935	mcm-10	4483.5	3780.5	5186.5	1.37	0.46	2.81E-05	0.000851404
WBGene00016695	C45H4.14	207.9	127.9	287.9	2.25	1.17	2.81E-05	0.000851584
WBGene00011049	sdz-26	65.4	36.4	94.4	2.60	1.38	2.89E-05	0.000874151
WBGene00006387	taf-6.1	2695.8	2254.5	3137.0	1.39	0.48	2.91E-05	0.000879194
WBGene00003767	nlp-29	1078.0	445.0	1710.9	3.84	1.94	3.07E-05	0.000920784
WBGene00010987	R03C1.1	241.6	75.1	408.0	5.43	2.44	3.10E-05	0.000924141
WBGene00003573	ncx-8	218.6	152.1	285.0	1.87	0.91	3.10E-05	0.000924141
WBGene00019143	H01M10.1	304.1	226.3	381.8	1.69	0.75	3.08E-05	0.000924141
WBGene00001687	gpn-1	286.9	207.8	365.9	1.76	0.82	3.15E-05	0.000936365
WBGene00000388	cdc-25.3	1762.0	1382.7	2141.3	1.55	0.63	3.17E-05	0.000942497
WBGene00016670	ilys-3	9.1	0.0	18.2	Inf	Inf	3.19E-05	0.000947202
WBGene00018026	F35A5.4	102.3	44.4	160.1	3.60	1.85	3.24E-05	0.000959136
WBGene00020554	T19A5.3	389.3	148.2	630.4	4.25	2.09	3.33E-05	0.000978255
WBGene00000894	dab-1	31605.2	26876.5	36333.9	1.35	0.43	3.40E-05	0.000996048
WBGene00008495	F01D5.5	1444.0	1086.9	1801.2	1.66	0.73	3.49E-05	0.001018489
WBGene00010495	K02B12.2	53.6	28.1	79.1	2.81	1.49	3.58E-05	0.001041737
WBGene00004217	ptr-2	21072.6	17944.5	24200.6	1.35	0.43	3.58E-05	0.001041737
WBGene00009202	aptf-4	145.9	81.1	210.7	2.60	1.38	3.63E-05	0.001052563
WBGene00000413	cdt-1	5760.1	4878.1	6642.0	1.36	0.45	3.65E-05	0.001055182
WBGene00004216	ptr-1	527.8	331.3	724.2	2.19	1.13	3.69E-05	0.001063749
WBGene00019923	fbxc-29	18.8	5.2	32.4	6.28	2.65	3.72E-05	0.001071276
WBGene00004350	rgs-7	2480.5	2078.7	2882.2	1.39	0.47	3.76E-05	0.00107934
WBGene00010351	cbd-1	228225.6	194074.5	262376.6	1.35	0.44	3.93E-05	0.001123506
WBGene00016259	C30F8.3	57.3	26.7	88.0	3.29	1.72	3.94E-05	0.001124082
WBGene00002144	inx-22	8771.8	7452.5	10091.0	1.35	0.44	3.96E-05	0.001129713
WBGene00008157	C47F8.1	176.8	122.6	231.0	1.88	0.91	4.03E-05	0.001145236
WBGene00009964	fip-6	213.7	95.3	332.0	3.48	1.80	4.07E-05	0.001154667
WBGene00021035	W05F2.3	26135.8	21832.7	30438.9	1.39	0.48	4.12E-05	0.001166822
WBGene00000074	adm-2	2440.0	2039.3	2840.8	1.39	0.48	4.17E-05	0.001177248
WBGene00015484	atgl-1	9435.6	8033.0	10838.2	1.35	0.43	4.20E-05	0.00118268
WBGene00001186	egl-18	2197.5	1677.9	2717.1	1.62	0.70	4.23E-05	0.0011896

WBGene00022455	tyms-1	3446.3	2908.3	3984.3	1.37	0.45	4.25E-05	0.001192045
WBGene00013899	ZC443.4	462.4	348.0	576.8	1.66	0.73	4.32E-05	0.00120837
WBGene00010808	sepa-1	247.7	78.7	416.6	5.29	2.40	4.34E-05	0.001210515
WBGene00004391	rnr-1	34555.4	29417.5	39693.3	1.35	0.43	4.34E-05	0.001210515
WBGene00000868	cyb-3	59734.5	50952.0	68516.9	1.34	0.43	4.33E-05	0.001210515
WBGene00018568	F47E1.4	364.8	275.7	454.0	1.65	0.72	4.37E-05	0.00121548
WBGene00021522	nhr-274	2556.4	2151.7	2961.2	1.38	0.46	4.45E-05	0.001235928
WBGene00008559	F07H5.8	181.6	56.7	306.6	5.41	2.44	4.50E-05	0.00124858
WBGene00011242	R11D1.1	4040.0	3415.4	4664.6	1.37	0.45	4.56E-05	0.001257044
WBGene00044620	bus-4	107.8	55.0	160.6	2.92	1.55	4.59E-05	0.001260233
WBGene00017312	pitr-5	839.0	619.5	1058.6	1.71	0.77	4.59E-05	0.001260233
WBGene00003520	nas-1	94.5	50.0	139.0	2.78	1.48	4.60E-05	0.001261773
WBGene00007552	C13C12.2	54.4	26.4	82.4	3.12	1.64	4.66E-05	0.001277043
WBGene00003540	nas-21	189.8	131.3	248.4	1.89	0.92	4.72E-05	0.001292305
WBGene00012405	ztf-25	727.4	572.0	882.7	1.54	0.63	4.73E-05	0.001293177
WBGene00001436	fkh-4	165.8	98.3	233.3	2.37	1.25	4.77E-05	0.001302991
WBGene00019606	clec-88	21578.7	18246.2	24911.1	1.37	0.45	4.79E-05	0.00130519
WBGene00004371	rig-4	11229.5	9551.7	12907.4	1.35	0.43	4.79E-05	0.00130519
WBGene00011537	T06E4.10	133.1	55.0	211.3	3.84	1.94	4.81E-05	0.001310652
WBGene00000902	daf-6	157.2	80.0	234.4	2.93	1.55	4.82E-05	0.001312359
WBGene00020478	T13C2.2	181.9	125.8	238.0	1.89	0.92	4.88E-05	0.001322656
WBGene00020283	T06A4.3	672.2	535.6	808.8	1.51	0.59	4.94E-05	0.001336006
WBGene00001695	grd-6	1177.7	638.6	1716.8	2.69	1.43	4.97E-05	0.001342375
WBGene00022789	lron-2	359.1	153.9	564.3	3.67	1.87	5.11E-05	0.001376123
WBGene00010093	capg-2	10077.0	8595.5	11558.4	1.34	0.43	5.13E-05	0.00137803
WBGene00013438	ztf-29	941.4	725.2	1157.7	1.60	0.67	5.23E-05	0.001395509
WBGene00004984	spn-4	68162.0	58246.2	78077.9	1.34	0.42	5.22E-05	0.001395509
WBGene00015544	C06E8.5	753.0	331.5	1174.5	3.54	1.83	5.25E-05	0.001398383
WBGene00004221	ptr-6	687.4	549.9	825.0	1.50	0.59	5.25E-05	0.001398383
WBGene00004813	skr-7	929.0	568.0	1290.1	2.27	1.18	5.48E-05	0.001442024
WBGene00011010	R04D3.2	2486.7	1959.7	3013.8	1.54	0.62	5.48E-05	0.001442024
WBGene00001050	dom-3	2123.5	1785.8	2461.2	1.38	0.46	5.49E-05	0.001442542
WBGene00011254	R12G8.1	40.5	15.3	65.7	4.30	2.11	5.59E-05	0.00146434
WBGene00000913	daf-18	48596.3	41547.7	55644.9	1.34	0.42	5.66E-05	0.001479923
WBGene00003228	mex-1	29195.9	24935.1	33456.6	1.34	0.42	5.84E-05	0.001519865
WBGene00019989	R09F10.8	5926.2	5043.3	6809.1	1.35	0.43	5.93E-05	0.001534798
WBGene00011737	sqst-1	4985.3	4190.0	5780.6	1.38	0.46	6.18E-05	0.001588417
WBGene00010726	K09E9.3	1293.9	1065.7	1522.0	1.43	0.51	6.30E-05	0.001615186
WBGene00003083	lst-1	8917.1	7585.2	10249.0	1.35	0.43	6.30E-05	0.001615186
WBGene00000739	col-166	10216.7	8701.7	11731.6	1.35	0.43	6.41E-05	0.001638584
WBGene00007876	dct-19	28.9	3.9	53.8	13.74	3.78	6.47E-05	0.001650425
WBGene00003888	osm-8	30.2	8.4	52.1	6.23	2.64	6.64E-05	0.001689448
WBGene00002103	ins-20	33.4	2.4	64.4	27.34	4.77	6.65E-05	0.001692171
WBGene00021213	Y18H1A.9	194.9	98.8	290.9	2.94	1.56	6.73E-05	0.00170593
WBGene00006954	wrt-8	78.1	9.4	146.8	15.69	3.97	6.81E-05	0.001722584
WBGene00012299	W06D11.1	692.7	563.8	821.6	1.46	0.54	6.82E-05	0.0017234
WBGene00001577	gem-4	398.1	309.5	486.8	1.57	0.65	6.85E-05	0.001726807
WBGene00000699	col-125	8743.5	6178.3	11308.8	1.83	0.87	6.92E-05	0.001740826
WBGene00011560	T07C4.3	23789.2	20363.8	27214.6	1.34	0.42	7.05E-05	0.001769835
WBGene00001240	elo-2	31559.9	27043.4	36076.5	1.33	0.42	7.06E-05	0.001770395
WBGene00007168	B0393.3	12688.0	10878.2	14497.8	1.33	0.41	7.23E-05	0.001799695
WBGene00007262	jud-4	65.8	33.5	98.2	2.94	1.55	7.28E-05	0.00180673
WBGene00000672	col-97	3847.3	1416.0	6278.7	4.43	2.15	7.33E-05	0.001817781
WBGene00010000	F53F8.3	1654.2	1377.8	1930.5	1.40	0.49	7.35E-05	0.001821631
WBGene00012982	jmjd-2	3812.5	3127.5	4497.5	1.44	0.52	7.38E-05	0.001826745
WBGene00012069	T26H5.4	25.1	6.4	43.9	6.86	2.78	7.48E-05	0.001846294
WBGene00011664	T09F3.5	2664.5	2252.9	3076.0	1.37	0.45	7.49E-05	0.001846312
WBGene00019357	cpg-8	4373.5	3400.2	5346.8	1.57	0.65	7.53E-05	0.001853951
WBGene00014006	ZK596.1	1526.4	1083.3	1969.5	1.82	0.86	7.64E-05	0.001874436
WBGene00008825	F14H3.6	9637.3	8235.7	11038.9	1.34	0.42	7.78E-05	0.001897146
WBGene00003229	mex-3	34923.4	29910.7	39936.0	1.34	0.42	8.01E-05	0.001940437
WBGene00003879	ora-1	234.5	26.0	443.0	17.05	4.09	8.06E-05	0.001948119
WBGene00001607	gln-6	42612.8	36589.4	48636.3	1.33	0.41	8.10E-05	0.001956161
WBGene00010355	clec-229	44.6	14.7	74.6	5.08	2.35	8.22E-05	0.001971772
WBGene00008358	nspc-18	275.9	156.8	394.9	2.52	1.33	8.21E-05	0.001971772

WBGene00006542	tbp-1	7759.3	6624.9	8893.7	1.34	0.42	8.30E-05	0.001986886
WBGene00000558	cnc-4	395.0	22.5	767.4	34.07	5.09	8.38E-05	0.002004016
WBGene00021235	Y19D10B.6	413.3	307.9	518.8	1.68	0.75	8.41E-05	0.002008668
WBGene00000653	col-77	6307.1	3328.4	9285.8	2.79	1.48	8.57E-05	0.002037778
WBGene00003373	mlh-1	5310.5	4530.8	6090.3	1.34	0.43	8.59E-05	0.002037778
WBGene00011434	T04D3.5	3284.4	2795.3	3773.5	1.35	0.43	8.61E-05	0.002040743
WBGene00008218	nasp-2	76964.5	66214.4	87714.7	1.32	0.41	8.63E-05	0.002040743
WBGene00001388	far-4	90.2	37.7	142.7	3.79	1.92	8.65E-05	0.002041927
WBGene00020541	fbxb-81	12.2	2.4	22.0	9.32	3.22	8.76E-05	0.002061166
WBGene00003156	mcm-4	22765.1	19113.2	26417.1	1.38	0.47	8.77E-05	0.002061166
WBGene00017438	F13H8.5	646.6	237.8	1055.4	4.44	2.15	9.07E-05	0.002123342
WBGene00017270	numr-1	34.3	11.4	57.1	5.01	2.33	9.10E-05	0.002125734
WBGene00018189	nhr-181	335.8	256.8	414.8	1.62	0.69	9.10E-05	0.002125734
WBGene00007991	C37A5.7	1097.3	905.4	1289.3	1.42	0.51	9.13E-05	0.002129456
WBGene00001148	eat-20	2942.0	2474.6	3409.5	1.38	0.46	9.45E-05	0.002193662
WBGene00015136	B0304.4	1022.0	843.5	1200.4	1.42	0.51	9.57E-05	0.002212174
WBGene00020543	fbxb-83	18.8	5.7	31.9	5.62	2.49	9.65E-05	0.002229305
WBGene00017134	EEED8.3	6889.0	5367.3	8410.6	1.57	0.65	9.69E-05	0.002234009
WBGene00000024	abu-1	483.9	174.3	793.5	4.55	2.19	9.74E-05	0.002241464
WBGene00006618	trt-1	3745.8	3190.7	4300.9	1.35	0.43	9.77E-05	0.002244897
WBGene00003862	old-1	141.1	93.0	189.3	2.04	1.03	9.86E-05	0.002263271
WBGene00007150	acly-2	29593.5	25423.2	33763.8	1.33	0.41	9.89E-05	0.002266631
WBGene00011895	T21C9.9	630.7	305.7	955.7	3.13	1.64	9.92E-05	0.002271006
WBGene00013496	Y70D2A.1	113.2	72.8	153.6	2.11	1.08	0.000103125	0.002355126
WBGene00006770	unc-34	4984.4	4254.9	5713.9	1.34	0.43	0.000104624	0.002382738
WBGene00008571	prmn-1	1976.0	1594.1	2358.0	1.48	0.56	0.000104994	0.002388957
WBGene00014117	clec-91	12791.7	10806.8	14776.7	1.37	0.45	0.000107143	0.00242441
WBGene00004218	ptr-3	345.8	245.1	446.4	1.82	0.86	0.000107787	0.002433834
WBGene00001156	ech-7	8590.4	6862.8	10317.9	1.50	0.59	0.000109039	0.002456021
WBGene00012584	ceh-100	9501.9	8151.9	10851.8	1.33	0.41	0.000109222	0.002457888
WBGene00006546	tbx-9	1131.9	919.9	1343.9	1.46	0.55	0.000110313	0.002477698
WBGene00020646	zmp-6	52.5	24.4	80.6	3.31	1.73	0.000111963	0.002505434
WBGene00008904	F17A2.13	312.3	224.4	400.3	1.78	0.84	0.000115137	0.002555956
WBGene00014097	ZK829.9	8424.6	7214.0	9635.1	1.34	0.42	0.000115696	0.002563751
WBGene00012020	gyg-2	20267.3	16620.7	23913.9	1.44	0.52	0.000116494	0.002577653
WBGene00017305	nspb-12	159.2	85.5	232.8	2.72	1.45	0.0001175	0.002590751
WBGene00006394	taf-11.2	3660.4	3090.8	4230.1	1.37	0.45	0.000117792	0.002591536
WBGene00008359	nspc-17	372.0	205.9	538.1	2.61	1.39	0.000120287	0.002633972
WBGene00018969	F56D3.1	746.4	419.3	1073.5	2.56	1.36	0.000120363	0.002633972
WBGene00016138	flh-2	1584.4	1330.9	1838.0	1.38	0.47	0.000121684	0.002658151
WBGene00004798	sip-1	47727.1	38456.9	56997.3	1.48	0.57	0.00012292	0.002682779
WBGene00008535	F02H6.2	1721.5	1417.5	2025.6	1.43	0.52	0.000125992	0.002737687
WBGene00001980	hmr-1	16579.4	14263.3	18895.6	1.32	0.41	0.000125911	0.002737687
WBGene00019855	R03H10.2	98.9	61.9	136.0	2.20	1.14	0.000127825	0.002768283
WBGene00003794	npp-8	16960.7	14616.3	19305.0	1.32	0.40	0.00012785	0.002768283
WBGene00012669	Y39B6A.7	115.2	75.8	154.6	2.04	1.03	0.000129074	0.002792325
WBGene00011691	T10C6.10	1094.3	895.2	1293.3	1.44	0.53	0.000131554	0.002831048
WBGene00011328	T01D3.3	211.8	150.8	272.9	1.81	0.86	0.000132446	0.002847126
WBGene00000444	ceh-21	1335.6	1115.4	1555.8	1.39	0.48	0.000133464	0.002859652
WBGene00019021	F57H12.6	804.0	347.2	1260.8	3.63	1.86	0.000134422	0.002875176
WBGene00012921	Y46G5A.36	36.4	13.7	59.2	4.32	2.11	0.000134764	0.002877945
WBGene00013258	polg-1	2368.6	2008.5	2728.8	1.36	0.44	0.000134785	0.002877945
WBGene00000969	dhs-5	857.5	655.1	1060.0	1.62	0.69	0.000137119	0.002912619
WBGene00016663	C45E1.4	175.7	123.9	227.5	1.84	0.88	0.000138555	0.002940582
WBGene00015586	C08A9.6	544.5	436.9	652.0	1.49	0.58	0.000140731	0.002976514
WBGene00016785	C49G7.7	24.9	8.2	41.6	5.04	2.33	0.000140948	0.002978533
WBGene00021083	W08E12.2	97.6	13.5	181.6	13.42	3.75	0.000141114	0.002979492
WBGene00020017	R12A1.3	130.6	38.1	223.1	5.85	2.55	0.000142994	0.00300372
WBGene00020156	T02B11.4	881.8	671.3	1092.4	1.63	0.70	0.000145591	0.003050473
WBGene00013425	ceh-91	2449.8	2081.5	2818.1	1.35	0.44	0.000149994	0.003126761
WBGene00002275	lem-2	7446.8	6186.4	8707.3	1.41	0.49	0.00015422	0.003201301
WBGene00010661	tyr-2	4059.0	2778.5	5339.5	1.92	0.94	0.00015642	0.003241499
WBGene00006649	tth-1	1862.6	1542.9	2182.3	1.41	0.50	0.000159113	0.003280743
WBGene00021721	Y49F6B.9	2218.0	1848.1	2587.9	1.40	0.49	0.000160324	0.003300187
WBGene00008726	F13A7.11	149.5	103.7	195.3	1.88	0.91	0.000160882	0.003308904

WBGene00001087	dpy-28	10488.6	9044.7	11932.4	1.32	0.40	0.000161344	0.003315626
WBGene00008803	lips-10	892.8	684.6	1101.0	1.61	0.69	0.000163531	0.003352184
WBGene00012152	cnc-10	591.0	431.8	750.1	1.74	0.80	0.00016372	0.003353271
WBGene00003161	mdf-2	5431.1	4663.3	6199.0	1.33	0.41	0.000164886	0.003374339
WBGene00019780	M60.4	5268.6	4245.7	6291.4	1.48	0.57	0.000165206	0.003377766
WBGene00004392	rnr-2	36629.3	30608.9	42649.6	1.39	0.48	0.00016972	0.00345602
WBGene00007709	clec-87	83779.4	72413.7	95145.1	1.31	0.39	0.00017073	0.003470853
WBGene00018297	F41F3.3	4464.6	1687.2	7241.9	4.29	2.10	0.000173883	0.003526216
WBGene00003026	lin-41	52474.5	45280.3	59668.7	1.32	0.40	0.000174755	0.003540977
WBGene00021725	bath-9	142.2	94.9	189.4	2.00	1.00	0.000175525	0.003553663
WBGene00001163	efn-2	720.4	586.9	853.9	1.45	0.54	0.000176725	0.003569159
WBGene00013261	sinh-1	1437.6	1210.5	1664.7	1.38	0.46	0.000178817	0.003605488
WBGene00044319	tag-266	1916.6	1628.9	2204.2	1.35	0.44	0.000179061	0.003607458
WBGene00000168	apx-1	10128.4	8744.1	11512.8	1.32	0.40	0.000180234	0.003619227
WBGene00021359	Y37E11AL.3	6649.2	5740.3	7558.2	1.32	0.40	0.000180663	0.003624882
WBGene00003816	asns-1	637.0	476.7	797.2	1.67	0.74	0.000181899	0.003643746
WBGene00015899	C17E7.4	2500.9	1986.8	3015.1	1.52	0.60	0.000183848	0.003676819
WBGene00004172	pqn-92	3128.2	2676.8	3579.6	1.34	0.42	0.00018545	0.003705835
WBGene00001725	grl-16	3096.4	1574.7	4618.0	2.93	1.55	0.000189372	0.003766938
WBGene00004004	pgp-10	1338.5	1113.4	1563.6	1.40	0.49	0.000193852	0.003836371
WBGene00194869	K01A6.8	60.9	36.1	85.7	2.37	1.25	0.000197114	0.003885303
WBGene00006593	tol-1	6010.7	5185.9	6835.5	1.32	0.40	0.000201891	0.00396994
WBGene00010606	cyp-13B2	230.0	154.2	305.8	1.98	0.99	0.000204615	0.004017074
WBGene00016505	ttr-33	1335.3	889.4	1781.1	2.00	1.00	0.000205031	0.004019845
WBGene00020408	T10D4.6	3987.4	3206.3	4768.5	1.49	0.57	0.000205082	0.004019845
WBGene00011809	T16G12.8	1013.5	844.3	1182.7	1.40	0.49	0.000208128	0.004066591
WBGene00008789	F14D7.2	4461.8	3838.8	5084.8	1.32	0.41	0.000210294	0.004099146
WBGene00017253	sdz-9	37.3	9.1	65.5	7.22	2.85	0.000212378	0.00413424
WBGene00004180	pri-1	4564.1	3936.5	5191.7	1.32	0.40	0.000213525	0.004145711
WBGene00014041	ZK666.1	26.5	11.1	41.9	3.78	1.92	0.000214311	0.004151163
WBGene00016824	C50E3.13	1417.9	1084.6	1751.3	1.61	0.69	0.000214122	0.004151163
WBGene00003222	mes-4	10026.4	8677.6	11375.1	1.31	0.39	0.000216717	0.004191175
WBGene00019922	fbxc-28	121.0	67.4	174.6	2.59	1.37	0.000217289	0.004195638
WBGene00000562	cng-1	158.4	111.4	205.5	1.84	0.88	0.000219502	0.004231727
WBGene00000995	die-1	4189.3	3590.3	4788.3	1.33	0.42	0.000220133	0.004237257
WBGene00044372	ZC239.21	12.6	3.3	22.0	6.70	2.74	0.000221141	0.004248016
WBGene00016045	spas-1	8155.5	7048.9	9262.0	1.31	0.39	0.000224166	0.004301432
WBGene00006651	tts-2	660.0	357.2	962.8	2.70	1.43	0.000225848	0.004323868
WBGene00018616	F48G7.5	343.8	152.9	534.8	3.50	1.81	0.00022761	0.004347236
WBGene00017766	peli-1	1442.0	1219.6	1664.4	1.36	0.45	0.000227786	0.004347236
WBGene00021329	Y34D9A.3	4404.8	3795.8	5013.7	1.32	0.40	0.000227789	0.004347236
WBGene00021876	Y54G2A.11	2674.3	2140.9	3207.7	1.50	0.58	0.000229618	0.004373161
WBGene00004181	pri-2	7854.5	6412.7	9296.3	1.45	0.54	0.00022968	0.004373161
WBGene00044526	T28A11.22	60.7	36.1	85.3	2.36	1.24	0.000230902	0.004386247
WBGene00003150	mbk-2	36256.9	31454.7	41059.1	1.31	0.38	0.00023079	0.004386247
WBGene00044689	arid-1	19280.3	16691.9	21868.6	1.31	0.39	0.000234081	0.004439778
WBGene00002263	lea-1	52470.3	44071.2	60869.3	1.38	0.47	0.000235999	0.004465846
WBGene00000423	ced-9	4113.2	3542.6	4683.7	1.32	0.40	0.000237659	0.00449035
WBGene00016915	C54D2.1	168.4	76.7	260.1	3.39	1.76	0.000240635	0.004532669
WBGene00020040	R12E2.15	362.4	136.4	588.3	4.31	2.11	0.000242435	0.004563086
WBGene00012104	sygl-1	6991.0	6023.3	7958.7	1.32	0.40	0.000245433	0.004612455
WBGene00005008	spr-3	1261.7	1041.1	1482.2	1.42	0.51	0.000248154	0.004660032
WBGene00001161	efl-1	5002.9	4318.0	5687.9	1.32	0.40	0.000252764	0.004742991
WBGene00016307	fbxc-18	30.2	8.7	51.6	5.93	2.57	0.000255559	0.004788139
WBGene00011451	T04H1.5	2155.7	1845.4	2465.9	1.34	0.42	0.000256702	0.004805889
WBGene00003784	nos-2	6654.9	5737.4	7572.4	1.32	0.40	0.000258813	0.004827062
WBGene00012972	rsa-2	14248.8	12354.1	16143.5	1.31	0.39	0.000258457	0.004827062
WBGene00001686	gpd-4	11124.0	9613.8	12634.2	1.31	0.39	0.00026043	0.004849868
WBGene00206389	C29F7.10	348.7	277.8	419.7	1.51	0.60	0.00026393	0.004911337
WBGene00000634	col-58	340.9	195.6	486.2	2.49	1.31	0.000265004	0.0049276
WBGene00011292	R102.5	10796.6	9368.1	12225.1	1.30	0.38	0.000265294	0.004929255
WBGene00235332	K04A8.20	24.2	10.1	38.4	3.80	1.93	0.000276286	0.005106514
WBGene00008035	C39E9.12	7853.3	6804.8	8901.8	1.31	0.39	0.000278632	0.005130626
WBGene00010446	K01A6.4	22.9	7.1	38.7	5.48	2.45	0.000280386	0.00515343
WBGene00008085	C44C10.4	695.5	572.8	818.2	1.43	0.51	0.000280359	0.00515343

WBGene00012672	Y39B6A.10	2187.8	1783.6	2592.0	1.45	0.54	0.000293417	0.005350847
WBGene00016196	C28H8.5	58.6	16.2	101.0	6.25	2.64	0.000294828	0.005368616
WBGene00015112	B0281.5	362.1	245.3	479.0	1.95	0.97	0.000294714	0.005368616
WBGene00012209	hmg-20	2451.3	2107.0	2795.7	1.33	0.41	0.000296652	0.005393846
WBGene00022590	ZC317.7	1843.8	1523.1	2164.6	1.42	0.51	0.000299131	0.005430907
WBGene00000611	col-34	1637.4	1385.2	1889.7	1.36	0.45	0.000300186	0.005446035
WBGene00001569	meg-3	6942.1	6001.8	7882.3	1.31	0.39	0.000303055	0.005485963
WBGene00019503	tbce-1	4461.9	3858.7	5065.0	1.31	0.39	0.000302888	0.005485963
WBGene00010001	F53F8.4	2203.7	1871.0	2536.3	1.36	0.44	0.000303333	0.005486969
WBGene00013383	aptf-2	1433.4	1215.6	1651.3	1.36	0.44	0.000304461	0.005503318
WBGene00010105	fbxb-62	6.5	0.3	12.7	43.41	5.44	0.000310649	0.005578306
WBGene00020830	T26C11.4	850.1	707.8	992.4	1.40	0.49	0.000312781	0.005608413
WBGene00007232	C01G10.5	32.7	12.9	52.5	4.06	2.02	0.000313159	0.005611116
WBGene00000743	col-170	838.9	580.3	1097.5	1.89	0.92	0.000315277	0.005644941
WBGene00022667	ZK154.5	2584.8	2219.7	2949.8	1.33	0.41	0.000316953	0.005666709
WBGene00017838	F26G1.2	169.3	115.7	222.8	1.93	0.95	0.000318399	0.005684317
WBGene00020706	atg-9	6052.8	5103.2	7002.4	1.37	0.46	0.000319573	0.005700754
WBGene00021861	Y54F10BM.6	13.3	2.7	23.8	8.64	3.11	0.000320948	0.005713241
WBGene00012383	ttr-17	2496.2	2019.7	2972.7	1.47	0.56	0.000321962	0.005723027
WBGene00009222	fbxa-95	861.6	717.0	1006.3	1.40	0.49	0.000322578	0.005724682
WBGene00001817	haf-7	1477.7	1252.3	1703.0	1.36	0.44	0.000322986	0.005724682
WBGene00001864	him-5	1466.4	1245.4	1687.4	1.35	0.44	0.000325827	0.005758456
WBGene00021542	Y43B11AL.1	69.1	44.7	93.4	2.09	1.06	0.000326091	0.005758996
WBGene00019971	ergo-1	24869.3	21654.2	28084.4	1.30	0.38	0.000328417	0.00579592
WBGene00044385	F59A6.10	31.1	4.5	57.6	12.79	3.68	0.000329716	0.005810352
WBGene00022418	igcm-4	367.4	290.0	444.9	1.53	0.62	0.000329943	0.005810352
WBGene00020704	T22F7.5	40.6	20.2	61.0	3.02	1.59	0.00033259	0.005852777
WBGene00016481	C36C5.12	56.6	22.2	91.0	4.10	2.03	0.000333363	0.005859251
WBGene00019700	btb-11	74.9	30.6	119.3	3.90	1.96	0.000333434	0.005859251
WBGene00011614	nfya-1	1369.8	1158.9	1580.6	1.36	0.45	0.000335026	0.005878835
WBGene00009801	ipla-2	2020.3	1723.2	2317.4	1.34	0.43	0.000336745	0.005900579
WBGene00010549	K03H4.2	4893.5	4224.2	5562.8	1.32	0.40	0.00033766	0.005912404
WBGene00011229	R11.4	36.1	14.0	58.1	4.16	2.06	0.000338624	0.005925076
WBGene00018572	lin-42	664.9	352.9	976.9	2.77	1.47	0.000339615	0.005930642
WBGene00007332	C05C10.5	13484.8	11323.4	15646.3	1.38	0.47	0.000339665	0.005930642
WBGene00011443	cutl-11	43.3	21.2	65.4	3.09	1.63	0.000343729	0.005983089
WBGene00020237	phat-4	2831.4	2129.9	3532.8	1.66	0.73	0.000343884	0.005983089
WBGene00009089	jmjd-3.2	54.5	32.3	76.7	2.38	1.25	0.000345438	0.006001644
WBGene00018819	rog-1	6301.2	5401.0	7201.5	1.33	0.42	0.000347019	0.006012699
WBGene00022292	Y75D11A.3	863.6	718.7	1008.6	1.40	0.49	0.00034776	0.006020756
WBGene00008641	pch-2	4227.5	3660.1	4795.0	1.31	0.39	0.000350782	0.006052728
WBGene00014115	gld-4	27782.7	24142.8	31422.6	1.30	0.38	0.000352245	0.006064281
WBGene00015733	C13B9.2	1221.9	1031.7	1412.1	1.37	0.45	0.000352677	0.006067471
WBGene00016971	toe-2	6140.7	5329.6	6951.8	1.30	0.38	0.000353048	0.006069609
WBGene00017548	F18A1.7	20287.6	17657.0	22918.2	1.30	0.38	0.000355009	0.006099067
WBGene00018878	glit-1	1842.8	1571.1	2114.6	1.35	0.43	0.000359982	0.006158711
WBGene00006939	wee-1.2	107.0	72.0	142.0	1.97	0.98	0.000362683	0.006196314
WBGene00001838	hda-10	2716.7	2338.1	3095.3	1.32	0.40	0.000368069	0.006283966
WBGene00013405	tdpt-1	2523.9	2159.2	2888.6	1.34	0.42	0.000369785	0.006308898
WBGene00018566	F47E1.2	518.9	365.0	672.7	1.84	0.88	0.000372323	0.006330256
WBGene00011509	T05H10.4	3109.7	2679.0	3540.5	1.32	0.40	0.000371828	0.006330256
WBGene00022203	Y73B3A.1	6974.6	6010.7	7938.4	1.32	0.40	0.00037153	0.006330256
WBGene00022570	sdz-35	11.7	1.8	21.7	12.30	3.62	0.000373321	0.006332527
WBGene00002067	ifp-1	3665.1	2745.0	4585.2	1.67	0.74	0.000373127	0.006332527
WBGene00012702	ztf-20	581.0	475.8	686.2	1.44	0.53	0.000377272	0.006370412
WBGene00001663	gpa-1	137.8	94.9	180.6	1.90	0.93	0.000377894	0.00637654
WBGene00004905	snf-6	4275.2	3692.8	4857.6	1.32	0.40	0.000380416	0.00641031
WBGene00022300	Y76B12C.6	5675.5	4925.1	6425.8	1.30	0.38	0.000383033	0.00642801
WBGene00017135	EEED8.4	74.0	36.1	112.0	3.10	1.63	0.000383767	0.006432995
WBGene00015677	cpg-4	13313.8	11601.9	15025.6	1.30	0.37	0.000390402	0.006514342
WBGene00019576	K09E3.5	116.4	84.1	148.6	1.77	0.82	0.000392969	0.006541246
WBGene00017420	F13B9.2	33.3	15.0	51.5	3.43	1.78	0.000393894	0.006552217
WBGene00015574	irg-1	241.0	111.2	370.8	3.33	1.74	0.000397637	0.006605553
WBGene00014040	ZK662.5	32.2	14.4	49.9	3.45	1.79	0.000399813	0.006628276
WBGene00000029	abu-6	478.6	221.1	736.2	3.33	1.74	0.000400276	0.006631498

WBGene00007297	C04F12.1	6706.7	5826.4	7587.1	1.30	0.38	0.000403057	0.006652549
WBGene00020889	T28C12.2	258.1	199.0	317.3	1.60	0.67	0.000403789	0.006652618
WBGene00003413	mrp-7	16161.9	14082.2	18241.6	1.30	0.37	0.000405494	0.006673026
WBGene00021153	Y4C6A.3	2969.9	2483.1	3456.7	1.39	0.48	0.00040602	0.006677233
WBGene00016845	C50F7.5	706.0	236.2	1175.8	4.98	2.32	0.000408009	0.006696519
WBGene00003479	mtm-9	4897.6	4246.2	5548.9	1.31	0.39	0.000411291	0.006745882
WBGene00003918	par-3	30011.5	26162.7	33860.2	1.29	0.37	0.000412785	0.006761386
WBGene00000186	ark-1	6021.6	5222.3	6820.9	1.31	0.39	0.00041594	0.006803999
WBGene00004339	rfc-3	11990.1	10457.6	13522.6	1.29	0.37	0.000415889	0.006803999
WBGene00009323	best-13	1217.2	1028.2	1406.2	1.37	0.45	0.000419589	0.006858222
WBGene00011831	T19B10.2	6144.9	3797.8	8492.0	2.24	1.16	0.000424004	0.006912943
WBGene00000727	col-154	2062.4	1261.3	2863.5	2.27	1.18	0.000424818	0.006921644
WBGene00012550	hpo-21	761.1	630.6	891.6	1.41	0.50	0.000433094	0.007042491
WBGene00019166	tat-2	1941.8	1645.8	2237.7	1.36	0.44	0.000437116	0.007089176
WBGene00004889	smp-1	5013.2	4342.5	5683.9	1.31	0.39	0.000437065	0.007089176
WBGene00011498	T05G5.1	3170.3	2725.0	3615.6	1.33	0.41	0.000442522	0.007167404
WBGene00013270	Y57A10A.31	20769.5	18100.7	23438.3	1.29	0.37	0.000444802	0.007199594
WBGene00004721	san-1	4616.9	4001.6	5232.3	1.31	0.39	0.000446646	0.007224685
WBGene00008314	C54G4.4	81.5	51.2	111.8	2.18	1.13	0.000451203	0.007284046
WBGene00001713	grl-4	4767.9	4053.3	5482.6	1.35	0.44	0.000453988	0.007320446
WBGene00007765	C27B7.9	1074.3	798.3	1350.2	1.69	0.76	0.000454422	0.007321605
WBGene00006571	tim-1	16365.8	14284.9	18446.7	1.29	0.37	0.000456044	0.007341153
WBGene00000748	col-175	1790.7	634.8	2946.6	4.64	2.21	0.000462159	0.007421984
WBGene00020702	T22F7.3	115.2	80.0	150.5	1.88	0.91	0.000469322	0.007522289
WBGene00044016	C35A5.10	51.4	30.1	72.7	2.41	1.27	0.000479645	0.007657829
WBGene00020091	rnp-8	16949.8	14793.0	19106.6	1.29	0.37	0.000483314	0.00770143
WBGene00022626	ZC513.1	29.2	12.8	45.6	3.56	1.83	0.000488441	0.007763019
WBGene00021535	wht-7	4499.6	3906.5	5092.6	1.30	0.38	0.000491535	0.007797097
WBGene00000755	col-182	175.9	52.8	298.9	5.66	2.50	0.000492951	0.007809502
WBGene00016567	C41D11.9	704.8	588.9	820.7	1.39	0.48	0.000495131	0.007833946
WBGene00006349	sur-2	6430.9	5581.6	7280.3	1.30	0.38	0.000496197	0.007845778
WBGene00004815	skr-9	80.1	27.1	133.2	4.92	2.30	0.000502869	0.007935979
WBGene00015972	C18E3.3	1241.8	1051.9	1431.6	1.36	0.44	0.000502842	0.007935979
WBGene00007210	agmo-1	255.4	109.8	400.9	3.65	1.87	0.000503575	0.007937755
WBGene00006498	ten-1	4455.5	3857.3	5053.7	1.31	0.39	0.000509523	0.008020424
WBGene00000498	chk-1	5905.7	5115.4	6696.0	1.31	0.39	0.000510999	0.008038521
WBGene00000519	cku-70	5176.0	4509.5	5842.4	1.30	0.37	0.000516828	0.008096137
WBGene00004208	ptc-1	70129.2	61270.6	78987.8	1.29	0.37	0.000516964	0.008096137
WBGene00017986	F32D1.7	7757.3	5915.4	9599.3	1.62	0.70	0.00051737	0.008097343
WBGene00018743	F53B3.5	699.7	579.7	819.7	1.41	0.50	0.000519199	0.008108576
WBGene00044783	T26H5.10	47.6	18.1	77.1	4.27	2.09	0.000522639	0.008148728
WBGene00018137	bath-41	11295.0	9861.1	12728.9	1.29	0.37	0.000530894	0.008251312
WBGene00004241	puf-5	77470.6	67658.1	87283.0	1.29	0.37	0.000533627	0.008288557
WBGene00008205	sams-1	90185.6	79060.9	101310.3	1.28	0.36	0.000535169	0.008306917
WBGene00003158	mcm-6	24456.1	21390.7	27521.6	1.29	0.36	0.000536642	0.008309169
WBGene00015340	C02E7.7	697.2	330.3	1064.0	3.22	1.69	0.00054048	0.008347595
WBGene00001998	hpr-17	3957.5	3435.4	4479.5	1.30	0.38	0.000542375	0.008366368
WBGene00011262	pho-8	1228.1	850.9	1605.3	1.89	0.92	0.000548971	0.008446946
WBGene00014114	tftc-3	12451.3	10882.3	14020.3	1.29	0.37	0.000548672	0.008446946
WBGene00011966	T23G7.3	7936.0	6945.8	8926.3	1.29	0.36	0.000563565	0.008606945
WBGene00012916	Y46G5A.28	56.9	18.0	95.8	5.32	2.41	0.000570282	0.008696662
WBGene00044658	C01G10.17	14.5	3.0	26.1	8.81	3.14	0.000574078	0.008740404
WBGene00011235	suro-1	955.3	558.7	1352.0	2.42	1.28	0.000576545	0.008772529
WBGene00021056	W06B4.1	13062.4	11303.2	14821.6	1.31	0.39	0.000586607	0.008887187
WBGene00004098	pqn-2	315.4	150.1	480.8	3.20	1.68	0.000588249	0.008906585
WBGene00012472	Y17G7B.21	7725.1	6758.2	8692.1	1.29	0.36	0.000591014	0.008935363
WBGene00007835	oac-7	126.5	88.0	165.1	1.88	0.91	0.000592516	0.008949178
WBGene00010493	meg-2	3096.6	2677.4	3515.9	1.31	0.39	0.000594884	0.008973928
WBGene00021338	Y34F4.3	13.7	3.8	23.5	6.13	2.62	0.000599726	0.009008333
WBGene00044788	ttr-38	126.9	89.0	164.9	1.85	0.89	0.000599177	0.009008333
WBGene00010199	bet-2	5598.7	4866.9	6330.4	1.30	0.38	0.000599304	0.009008333
WBGene00000625	col-48	1510.7	582.7	2438.8	4.19	2.07	0.000601536	0.009026044
WBGene00008882	F16B12.6	4903.3	4254.1	5552.6	1.31	0.38	0.000614922	0.009191723
WBGene00012727	Y39G8B.7	215.4	156.3	274.5	1.76	0.81	0.000622694	0.009287958
WBGene00012435	flh-1	9860.3	8613.4	11107.2	1.29	0.37	0.0006245	0.009301003

WBGene00019862	nrde-3	3398.6	2948.1	3849.0	1.31	0.38	0.000625417	0.00930341
WBGene00015102	cpg-2	195976.7	171625.4	220328.0	1.28	0.36	0.000630888	0.009362159
WBGene00011489	T05F1.2	22032.3	19337.4	24727.2	1.28	0.35	0.000632036	0.009373551
WBGene00007500	nasp-1	14598.2	12801.9	16394.6	1.28	0.36	0.000633656	0.009391925
WBGene00020039	R12E2.14	271.8	85.0	458.6	5.40	2.43	0.000635808	0.00941162
WBGene00019100	F59B1.8	795.4	649.1	941.6	1.45	0.54	0.00063872	0.009444235
WBGene00017251	fbxb-105	15.3	4.3	26.4	6.18	2.63	0.00063934	0.009446123
WBGene00017985	neg-1	6273.5	5477.4	7069.6	1.29	0.37	0.000639615	0.009446123
WBGene00000156	apr-1	12242.4	10702.6	13782.2	1.29	0.36	0.000640271	0.009450137
WBGene00003157	mcm-5	24614.9	21553.7	27676.1	1.28	0.36	0.000640678	0.00945048
WBGene00015251	B0546.4	1117.7	946.6	1288.9	1.36	0.45	0.00064652	0.009525238
WBGene00011081	R07B1.9	245.6	161.9	329.3	2.03	1.02	0.000662447	0.00971339
WBGene00018427	F44E7.5	4051.9	3162.4	4941.5	1.56	0.64	0.000663423	0.009716529
WBGene00003405	mre-11	9756.2	8536.0	10976.3	1.29	0.36	0.00066345	0.009716529
WBGene00014039	ZK662.2	490.4	192.7	788.0	4.09	2.03	0.000664459	0.009725515
WBGene00009983	cut-2	1004.7	248.0	1761.4	7.10	2.83	0.000667652	0.00976644
WBGene00004153	pqn-71	133.0	52.4	213.6	4.08	2.03	0.000671393	0.009809509
WBGene00011153	R09A8.2	2021.9	1743.8	2299.9	1.32	0.40	0.000673833	0.009828665
WBGene00009862	fbxb-67	213.8	162.1	265.5	1.64	0.71	0.00067462	0.009833309
WBGene00009658	F43G6.5	57.7	30.3	85.2	2.81	1.49	0.000676175	0.009844321
WBGene00021596	spsb-2	5543.0	4837.9	6248.1	1.29	0.37	0.000684533	0.009951912
WBGene00021749	Y50D4C.5	5361.3	4671.6	6051.0	1.30	0.37	0.000686943	0.009965732
WBGene00013319	ccch-5	191.9	136.7	247.1	1.81	0.85	0.000689819	0.010001564
WBGene00017178	atg-16.1	1240.9	1057.9	1423.9	1.35	0.43	0.000695529	0.010066563
WBGene00008105	C45B11.2	26.3	10.5	42.0	3.99	2.00	0.000701794	0.010134155
WBGene00015339	C02E7.6	620.9	322.0	919.8	2.86	1.51	0.000702827	0.010136774
WBGene00015312	C01G8.1	16595.6	14559.0	18632.2	1.28	0.36	0.000705223	0.010159093
WBGene00006591	toh-1	2437.5	2064.1	2811.0	1.36	0.45	0.000706168	0.010166748
WBGene00011424	dhs-31	207.8	156.2	259.4	1.66	0.73	0.000710006	0.010210074
WBGene00013156	Y53F4B.9	10074.2	8813.6	11334.9	1.29	0.36	0.000712439	0.010239081
WBGene00021661	mbtr-1	2888.5	2482.2	3294.8	1.33	0.41	0.000713251	0.01024477
WBGene00009372	evl-18	7678.0	6709.8	8646.3	1.29	0.37	0.0007146	0.010258152
WBGene00012650	orc-1	12062.5	10486.1	13638.9	1.30	0.38	0.000715567	0.010265701
WBGene00001683	gpd-1	19137.4	16715.7	21559.1	1.29	0.37	0.000716595	0.010268832
WBGene00009297	sdz-16	21.4	6.6	36.2	5.51	2.46	0.000732881	0.010471738
WBGene00006870	vab-3	716.8	593.2	840.4	1.42	0.50	0.000737044	0.010525109
WBGene00017252	sdz-10	11.0	3.0	19.1	6.44	2.69	0.000741153	0.010571524
WBGene00012901	cnp-2	3076.7	2499.5	3653.9	1.46	0.55	0.000745546	0.010615735
WBGene00019754	M03E7.2	36.1	14.3	57.9	4.07	2.02	0.000754618	0.01069326
WBGene00016095	C25E10.5	1512.7	1122.5	1903.0	1.70	0.76	0.000755334	0.01069326
WBGene00004786	sex-1	1554.1	1263.7	1844.6	1.46	0.55	0.000754971	0.01069326
WBGene00045387	K09H9.8	1038.2	849.4	1227.1	1.44	0.53	0.00075509	0.01069326
WBGene00000725	col-152	68.1	29.2	107.0	3.66	1.87	0.000760555	0.010754797
WBGene00008277	mltn-12	94.0	43.4	144.7	3.34	1.74	0.000764574	0.010793029
WBGene00015046	nlp-34	335.5	61.0	610.0	10.00	3.32	0.000771465	0.010865388
WBGene00008440	DY3.8	4936.7	4191.8	5681.6	1.36	0.44	0.000777489	0.010931464
WBGene00022037	acs-13	48864.7	42887.2	54842.3	1.28	0.35	0.000777289	0.010931464
WBGene00008482	cut-4	1164.1	870.9	1457.3	1.67	0.74	0.000801692	0.011246073
WBGene00021238	gap-3	4216.2	3665.7	4766.8	1.30	0.38	0.000805979	0.011293339
WBGene00001513	gad-1	9611.0	8436.5	10785.5	1.28	0.35	0.000806977	0.011300892
WBGene00012581	Y38E10A.3	15.4	3.7	27.2	7.45	2.90	0.000814729	0.011389561
WBGene00009133	bed-3	267.7	191.0	344.5	1.80	0.85	0.000818244	0.011419695
WBGene00010765	K10H10.10	69.3	43.3	95.2	2.20	1.14	0.000819255	0.011427325
WBGene00007211	BE10.3	34.3	16.1	52.5	3.27	1.71	0.000826064	0.011478366
WBGene00015687	chdp-1	25435.1	22362.5	28507.6	1.27	0.35	0.000848279	0.011752272
WBGene00007030	epc-1	11877.6	10422.7	13332.4	1.28	0.36	0.00085193	0.011796208
WBGene00011044	R05H10.3	4124.8	3598.5	4651.0	1.29	0.37	0.000853914	0.011807436
WBGene00009127	clsp-1	8643.2	7585.6	9700.7	1.28	0.35	0.000854179	0.011807436
WBGene00001066	dpy-4	3317.1	1265.9	5368.3	4.24	2.08	0.000855763	0.011822689
WBGene00018746	fbxb-103	60.0	26.0	93.9	3.61	1.85	0.000859367	0.011845883
WBGene00019725	algn-14	1849.9	1529.0	2170.7	1.42	0.51	0.000859038	0.011845883
WBGene00011927	T22C8.6	360.2	285.2	435.3	1.53	0.61	0.000865915	0.011916135
WBGene00044694	fbxb-90	18.4	3.6	33.2	9.12	3.19	0.000869452	0.011944781
WBGene00017713	F22E5.20	26.2	11.6	40.8	3.51	1.81	0.000869348	0.011944781
WBGene00011266	R13H4.8	37.4	17.3	57.6	3.33	1.74	0.000869201	0.011944781

WBGene00001950	hlh-3	133.2	96.8	169.6	1.75	0.81	0.000872149	0.011968477
WBGene00007433	swsn-7	24670.8	21670.9	27670.7	1.28	0.35	0.000874663	0.011989605
WBGene00000694	col-120	1551.0	930.7	2171.3	2.33	1.22	0.000875831	0.01199894
WBGene00013719	Y106G6H.6	5852.0	4975.1	6729.0	1.35	0.44	0.00087908	0.012032138
WBGene00018489	F46E10.2	84.7	55.5	113.8	2.05	1.04	0.000880031	0.012036376
WBGene00019952	fbxb-74	14.8	4.5	25.1	5.53	2.47	0.000886422	0.012103613
WBGene00017571	jmjd-3.1	1470.7	1260.0	1681.5	1.33	0.42	0.000886022	0.012103613
WBGene00044330	alr-1	404.8	326.7	482.8	1.48	0.56	0.000887655	0.012113734
WBGene00018607	F48E3.8	599.6	494.5	704.6	1.42	0.51	0.000890705	0.012142543
WBGene00019595	K09H9.2	3700.3	3159.2	4241.4	1.34	0.42	0.000890752	0.012142543
WBGene00013593	Y87G2A.1	6003.4	5263.8	6742.9	1.28	0.36	0.000891464	0.01214408
WBGene00009212	F28D1.2	220.7	126.0	315.3	2.50	1.32	0.000897441	0.012199942
WBGene00020189	tfbm-1	1571.6	1353.3	1790.0	1.32	0.40	0.000904819	0.012286672
WBGene00004814	skr-8	115.1	45.7	184.4	4.04	2.01	0.000909827	0.012341065
WBGene00017606	ets-6	5430.2	4754.0	6106.5	1.28	0.36	0.000911061	0.012345327
WBGene00003048	lit-1	7403.7	6487.6	8319.7	1.28	0.36	0.000911646	0.012345327
WBGene00010008	F53H4.3	200.5	143.5	257.5	1.80	0.84	0.00092062	0.012425848
WBGene00017712	F22E5.17	1311.9	1038.7	1585.2	1.53	0.61	0.00092809	0.012499264
WBGene00007445	C08F8.3	7728.2	6792.3	8664.0	1.28	0.35	0.000950936	0.012716669
WBGene00007979	imp-1	18209.1	16013.6	20404.6	1.27	0.35	0.000950948	0.012716669
WBGene00009701	egg-3	14209.8	12500.2	15919.4	1.27	0.35	0.000955048	0.012764564
WBGene00219313	C17E4.20	1013.0	811.2	1214.8	1.50	0.58	0.000958493	0.012796719
WBGene00019777	M57.1	1055.5	896.4	1214.7	1.35	0.44	0.000958152	0.012796719
WBGene00008576	F08G2.4	683.4	573.7	793.1	1.38	0.47	0.000960752	0.012812972
WBGene00013866	cbs-1	4365.2	3800.3	4930.1	1.30	0.38	0.000960541	0.012812972
WBGene00004104	pqn-13	240.4	133.2	347.7	2.61	1.38	0.000962631	0.012831083
WBGene00007850	C31G12.1	311.8	244.8	378.8	1.55	0.63	0.000967222	0.012871367
WBGene00016836	C50F2.2	9219.3	8098.4	10340.1	1.28	0.35	0.000973338	0.012933007
WBGene00022182	swsn-3	5415.6	4751.0	6080.2	1.28	0.36	0.000982274	0.013022399
WBGene00011704	sdz-31	5.4	0.3	10.5	33.69	5.07	0.000989268	0.013108062
WBGene00020670	T22B2.6	29.0	8.1	50.0	6.19	2.63	0.000997758	0.013199253
WBGene00008710	F11E6.7	17848.2	15699.6	19996.8	1.27	0.35	0.001000643	0.013223202
WBGene00019217	athp-2	11183.4	9839.0	12527.7	1.27	0.35	0.001015191	0.013372383
WBGene00015023	B0205.9	5893.4	5181.8	6605.0	1.27	0.35	0.001045155	0.01369375
WBGene00012185	W01F3.2	5491.0	4712.4	6269.6	1.33	0.41	0.001051306	0.013737852
WBGene00003802	npp-16	9574.0	8376.1	10772.0	1.29	0.36	0.001050866	0.013737852
WBGene00017132	tofu-6	8720.6	7678.3	9762.9	1.27	0.35	0.001050211	0.013737852
WBGene00013137	Y53C10A.6	3867.3	3386.9	4347.8	1.28	0.36	0.001056977	0.013780248
WBGene00017143	EEED8.15	414.0	331.1	496.9	1.50	0.59	0.001058502	0.013787974
WBGene00015645	lips-7	63.6	13.4	113.8	8.50	3.09	0.001063183	0.013834526
WBGene00021332	Y34D9A.7	3115.5	2722.4	3508.6	1.29	0.37	0.001068495	0.013896074
WBGene00000137	amx-1	1303.6	1119.3	1487.8	1.33	0.41	0.001077465	0.013975825
WBGene00000250	bir-2	3307.2	2886.8	3727.6	1.29	0.37	0.001084256	0.01404911
WBGene00003096	lys-7	12269.8	7821.1	16718.5	2.14	1.10	0.001098477	0.014188572
WBGene00011490	T05F1.4	3035.1	2640.3	3429.8	1.30	0.38	0.001108569	0.014296422
WBGene00000615	col-38	3008.3	1321.4	4695.2	3.55	1.83	0.001110183	0.014309463
WBGene00009487	clec-232	45.5	25.6	65.4	2.56	1.35	0.001113068	0.014309463
WBGene00018744	F53B3.6	1842.9	1529.2	2156.7	1.41	0.50	0.001112484	0.014309463
WBGene00004204	swsn-4	29960.5	26437.9	33483.0	1.27	0.34	0.001112686	0.014309463
WBGene00004075	pod-1	57403.6	50539.6	64267.6	1.27	0.35	0.001118634	0.014358525
WBGene00000964	dhp-2	1787.8	1533.6	2042.0	1.33	0.41	0.001125303	0.014429083
WBGene00044314	fbxb-33	9.1	1.2	16.9	14.01	3.81	0.001137463	0.014569829
WBGene00000901	daf-5	3660.9	3185.4	4136.4	1.30	0.38	0.001141144	0.014606166
WBGene00021470	tpxl-1	24509.4	21573.5	27445.3	1.27	0.35	0.001141487	0.014606166
WBGene00009368	pole-1	17286.7	15210.3	19363.1	1.27	0.35	0.001142307	0.014609073
WBGene00010690	K08H2.3	840.6	712.4	968.8	1.36	0.44	0.001147472	0.014667505
WBGene00010019	F54B8.4	243.4	144.3	342.5	2.37	1.25	0.00114983	0.014690018
WBGene00003919	par-4	8662.2	7633.7	9690.7	1.27	0.34	0.001162816	0.014848224
WBGene00010760	K10H10.4	180.0	109.7	250.4	2.28	1.19	0.001168328	0.014895009
WBGene00021735	Y50D4A.1	5743.1	5056.1	6430.0	1.27	0.35	0.001185243	0.015083092
WBGene00019779	endu-2	7627.8	5969.6	9286.0	1.56	0.64	0.001186943	0.015093672
WBGene00006977	zif-1	11135.6	9805.2	12465.9	1.27	0.35	0.001197539	0.015189183
WBGene00008512	F01G10.10	227.3	160.5	294.0	1.83	0.87	0.001208211	0.015293031
WBGene00011888	cutl-15	433.4	329.6	537.1	1.63	0.70	0.001208945	0.015294456
WBGene00008891	clec-42	98.0	43.8	152.2	3.48	1.80	0.001211876	0.015301755

WBGene00022452	Y110A2AR.1	8694.1	7185.5	10202.6	1.42	0.51	0.001210241	0.015301755
WBGene00013096	mcd-1	6388.0	5584.7	7191.3	1.29	0.36	0.001212008	0.015301755
WBGene00006700	uba-2	10354.6	9145.8	11563.4	1.26	0.34	0.001211905	0.015301755
WBGene00003183	mei-1	9857.8	8590.9	11124.7	1.29	0.37	0.001216123	0.015345834
WBGene00020551	T17H7.7	537.4	335.4	739.3	2.20	1.14	0.001218424	0.015364601
WBGene00021856	Y54F10BM.1	6505.9	5736.1	7275.7	1.27	0.34	0.001230006	0.01546791
WBGene00008782	sdz-14	48.1	23.6	72.6	3.08	1.62	0.001236676	0.015525611
WBGene00020566	ttr-7	554.6	456.1	653.2	1.43	0.52	0.001239022	0.015547137
WBGene00000030	abu-7	480.6	229.3	731.9	3.19	1.67	0.001243747	0.015582597
WBGene00009778	F46C5.1	20.3	7.5	33.0	4.39	2.14	0.001248169	0.015619634
WBGene00045494	ZK662.6	47.1	22.3	71.8	3.21	1.68	0.001248606	0.015619634
WBGene00018443	btb-7	363.0	296.0	429.9	1.45	0.54	0.001248076	0.015619634
WBGene00015841	skpo-2	124.6	48.4	200.9	4.15	2.05	0.001250596	0.015636584
WBGene00009640	nspc-10	946.4	744.9	1148.0	1.54	0.62	0.001261315	0.015741719
WBGene00021986	Y59C2A.3	4783.3	4200.1	5366.5	1.28	0.35	0.001267806	0.015811605
WBGene00011949	T23F6.1	57.4	31.4	83.4	2.65	1.41	0.001269065	0.015819298
WBGene00010142	F56A8.8	70.6	29.6	111.7	3.78	1.92	0.001273354	0.01586124
WBGene00016455	C35E7.3	81.7	54.5	108.8	1.99	1.00	0.00127541	0.01586124
WBGene00022502	ZC13.1	1037.1	889.7	1184.6	1.33	0.41	0.001274154	0.01586124
WBGene00006894	ver-1	20.8	6.9	34.6	5.02	2.33	0.001282514	0.015922448
WBGene00019313	btb-10	74.7	39.6	109.8	2.77	1.47	0.001282424	0.015922448
WBGene00006384	taf-3	2425.0	2109.0	2741.1	1.30	0.38	0.00128383	0.015930755
WBGene00006557	tbx-38	15.4	2.7	28.1	10.44	3.38	0.00129661	0.016061223
WBGene00009088	F23D12.4	29.6	10.9	48.4	4.45	2.15	0.001296028	0.016061223
WBGene00021346	Y37E3.1	2364.6	2036.6	2692.5	1.32	0.40	0.001296954	0.016061223
WBGene00015747	C13G5.2	4354.4	3826.9	4881.8	1.28	0.35	0.001315092	0.016253135
WBGene00008794	F14D7.7	176.5	107.6	245.5	2.28	1.19	0.00131739	0.016273366
WBGene00001958	hlh-14	27.2	12.4	41.9	3.37	1.75	0.001319836	0.016295406
WBGene00023477	nspc-1	184.3	139.2	229.3	1.65	0.72	0.001330679	0.016404595
WBGene00022149	lin-65	4800.2	4216.8	5383.7	1.28	0.35	0.001340498	0.016500854
WBGene00008207	C49F5.3	1080.5	916.9	1244.0	1.36	0.44	0.001345341	0.016527422
WBGene00044197	fbxb-63	7.6	1.2	14.0	11.55	3.53	0.00136262	0.016706348
WBGene00001074	dpy-13	3013.3	1187.1	4839.4	4.08	2.03	0.001363944	0.016707567
WBGene00021675	Y48G1BR.1	2997.7	2613.8	3381.6	1.29	0.37	0.001366213	0.016716261
WBGene00012879	fbxa-215	16258.0	14372.5	18143.4	1.26	0.34	0.001367503	0.016716261
WBGene00021002	W03F9.4	131.5	88.5	174.4	1.97	0.98	0.001386643	0.016916637
WBGene00022296	xpc-1	13513.9	11973.0	15054.7	1.26	0.33	0.001391595	0.016960241
WBGene00019013	tofu-4	2114.8	1851.2	2378.4	1.28	0.36	0.001394173	0.016983246
WBGene00002985	lig-1	13021.2	11496.2	14546.2	1.27	0.34	0.001399036	0.017025643
WBGene00007343	C05E7.1	350.7	251.2	450.3	1.79	0.84	0.001421391	0.017263549
WBGene00007887	gadr-2	159.3	119.2	199.5	1.67	0.74	0.001427864	0.017325084
WBGene00008360	nspc-19	187.4	119.6	255.3	2.14	1.09	0.001429372	0.017334832
WBGene00008536	F02H6.3	1015.8	794.3	1237.2	1.56	0.64	0.001433558	0.017363062
WBGene00007171	B0393.6	7985.6	7016.1	8955.1	1.28	0.35	0.001433234	0.017363062
WBGene00003917	par-2	5517.2	4854.4	6180.0	1.27	0.35	0.001433816	0.017363062
WBGene00015610	C08F1.6	35.9	8.3	63.5	7.62	2.93	0.001434642	0.017364527
WBGene00044779	T10H9.8	440.7	359.3	522.1	1.45	0.54	0.001441449	0.017437622
WBGene00018680	tsen-54	910.1	777.3	1042.9	1.34	0.42	0.001442833	0.017437949
WBGene00004929	soc-2	4412.3	3880.0	4944.5	1.27	0.35	0.001449991	0.017506177
WBGene00005655	srr-4	1438.1	1182.2	1694.0	1.43	0.52	0.001455886	0.01754403
WBGene00010396	H13N06.2	187.5	141.5	233.5	1.65	0.72	0.001459791	0.017582484
WBGene00000711	col-138	3096.9	1286.2	4907.6	3.82	1.93	0.001461606	0.017595733
WBGene00009218	acs-20	1084.5	895.6	1273.3	1.42	0.51	0.001473194	0.01768736
WBGene00016417	C34F11.8	435.8	349.6	521.9	1.49	0.58	0.001477577	0.017718493
WBGene00004874	smc-4	26844.3	23770.4	29918.1	1.26	0.33	0.001493349	0.017864318
WBGene00012850	Y44A6C.1	523.1	433.1	613.1	1.42	0.50	0.001497041	0.017899086
WBGene00012186	mlt-11	651.2	209.6	1092.7	5.21	2.38	0.001508944	0.0179984
WBGene00013419	Y65A5A.2	5453.6	4808.6	6098.6	1.27	0.34	0.001518347	0.018075521
WBGene00006555	tbx-36	1046.0	901.2	1190.8	1.32	0.40	0.001519389	0.018079183
WBGene00013792	Y116A8C.13	3274.9	2870.8	3679.0	1.28	0.36	0.001523788	0.018114016
WBGene00008082	com-1	4245.0	3740.5	4749.5	1.27	0.34	0.001527914	0.018136792
WBGene00007860	rilp-1	5126.8	4522.8	5730.8	1.27	0.34	0.001534564	0.018198184
WBGene00006562	tdc-1	16935.4	14983.0	18887.7	1.26	0.33	0.00153751	0.018221803
WBGene00019811	egg-2	18562.8	16403.6	20722.0	1.26	0.34	0.001543523	0.018269224
WBGene00044692	fbxb-91	24.7	6.9	42.4	6.11	2.61	0.00155585	0.018362161

WBGene00023418	R06F6.12	3276.9	2877.8	3676.1	1.28	0.35	0.001554118	0.018362161
WBGene00011111	snfc-5	6239.1	5512.6	6965.5	1.26	0.34	0.001554535	0.018362161
WBGene00019564	K09D9.1	115.4	74.8	156.0	2.08	1.06	0.001557716	0.018375371
WBGene00021012	pig-1	7827.1	6919.5	8734.6	1.26	0.34	0.001583429	0.018651882
WBGene00021747	Y50D4C.2	635.6	533.3	737.8	1.38	0.47	0.001595017	0.018779399
WBGene00001078	dpy-19	660.1	559.4	760.9	1.36	0.44	0.001597212	0.01879625
WBGene00007246	nspb-10	83.6	45.4	121.8	2.68	1.42	0.001613721	0.018954297
WBGene00018828	sdz-21	72.7	48.9	96.4	1.97	0.98	0.001620461	0.019015311
WBGene00003099	lys-10	30.7	12.5	48.9	3.92	1.97	0.001631691	0.019130818
WBGene00021468	epg-2	1187.3	820.9	1553.7	1.89	0.92	0.001632635	0.019130818
WBGene00019341	K02F6.7	2689.4	2358.2	3020.5	1.28	0.36	0.001636601	0.019159045
WBGene00010667	K08E4.3	1138.6	982.8	1294.5	1.32	0.40	0.001641919	0.019193928
WBGene00017405	bath-31	28.3	15.5	41.1	2.66	1.41	0.001651197	0.019274923
WBGene00003417	mrt-2	1647.7	1437.2	1858.2	1.29	0.37	0.001650442	0.019274923
WBGene00206502	T01B7.13	37.1	19.3	54.9	2.85	1.51	0.001654105	0.019299718
WBGene00000016	abf-5	270.2	198.5	341.9	1.72	0.78	0.001663581	0.019391909
WBGene00044623	bus-8	189.5	78.9	300.1	3.80	1.93	0.001672318	0.019475311
WBGene00021049	W05H9.2	2664.3	2329.7	2999.0	1.29	0.36	0.001702243	0.019727518
WBGene00008780	hxk-1	26844.4	23781.6	29907.2	1.26	0.33	0.00170279	0.019727518
WBGene00016457	C35E7.5	1019.7	613.2	1426.3	2.33	1.22	0.001710058	0.019793103
WBGene00019644	cpt-4	234.6	136.5	332.7	2.44	1.29	0.001721736	0.019909548
WBGene00010787	K12D12.5	4838.5	4263.3	5413.7	1.27	0.34	0.001721206	0.019909548
WBGene00197080	ZC15.11	55.7	33.0	78.3	2.37	1.24	0.001728419	0.019977435
WBGene00000010	aat-9	4462.4	3938.8	4986.1	1.27	0.34	0.001736664	0.020051517
WBGene00010066	F54F7.6	648.5	548.7	748.4	1.36	0.45	0.001770913	0.020392008
WBGene00009496	F36H1.11	30.1	14.8	45.5	3.08	1.62	0.001779029	0.020448667
WBGene00011556	vglu-3	1348.1	911.7	1784.5	1.96	0.97	0.001778925	0.020448667
WBGene00003001	lin-12	687.0	580.9	793.1	1.37	0.45	0.001779272	0.020448667
WBGene00015357	C02F12.8	1722.3	1499.7	1944.9	1.30	0.38	0.001777392	0.020448667
WBGene00000649	col-73	5545.0	2155.4	8934.5	4.15	2.05	0.001785178	0.020489186
WBGene00018487	F46C8.8	279.7	101.3	458.0	4.52	2.18	0.001794632	0.020578504
WBGene00007697	C24F3.2	1203.4	1039.0	1367.7	1.32	0.40	0.001795794	0.02058224
WBGene00017841	F26G1.5	1015.9	602.1	1429.6	2.37	1.25	0.001798464	0.020599436
WBGene00015691	viln-1	7372.4	6519.9	8224.9	1.26	0.34	0.001802756	0.020633222
WBGene00001653	gon-4	9921.0	8773.4	11068.6	1.26	0.34	0.001807007	0.020672256
WBGene00019924	fbxc-33	255.2	203.9	306.5	1.50	0.59	0.001808216	0.020676485
WBGene00019938	R07E4.5	2354.5	2058.4	2650.6	1.29	0.36	0.0018229	0.0207961
WBGene00012968	Y48A6B.7	2500.8	2080.1	2921.5	1.40	0.49	0.001827771	0.02082272
WBGene00017931	picc-1	9738.9	8632.4	10845.4	1.26	0.33	0.001827432	0.02082272
WBGene00021344	Y37B11A.2	1784.7	1554.3	2015.1	1.30	0.37	0.001840281	0.020926506
WBGene00008967	F20B10.3	62.0	24.0	100.0	4.18	2.06	0.001843156	0.020949517
WBGene00009946	F52H3.4	2327.8	2038.6	2617.0	1.28	0.36	0.001855418	0.021040319
WBGene00000541	cln-3.3	869.8	742.7	996.8	1.34	0.42	0.001916685	0.021559888
WBGene00001484	fox-1	1280.6	1096.3	1464.9	1.34	0.42	0.001915113	0.021559888
WBGene00011350	perm-1	10483.9	9272.4	11695.4	1.26	0.33	0.001924242	0.021631464
WBGene00011329	zipt-9	4680.9	4139.8	5221.9	1.26	0.34	0.001936793	0.021752689
WBGene00000265	brd-1	4993.8	4421.5	5566.1	1.26	0.33	0.00194957	0.021886207
WBGene00013596	nyn-2	3814.6	3362.2	4267.1	1.27	0.34	0.001958971	0.021971957
WBGene00009172	F26F2.7	5420.2	4780.7	6059.7	1.27	0.34	0.001960394	0.02197766
WBGene00021496	Y40C5A.3	8.7	1.5	15.8	10.63	3.41	0.001965363	0.022003302
WBGene00016796	cec-2	4851.6	4273.4	5429.7	1.27	0.35	0.001966891	0.0220104
WBGene00001080	dpy-21	7194.8	6353.5	8036.2	1.26	0.34	0.001973249	0.022071525
WBGene00019508	K07H8.8	18.1	5.6	30.5	5.46	2.45	0.001996024	0.022275665
WBGene00011935	scrm-1	1277.3	1077.3	1477.3	1.37	0.46	0.001997393	0.022280842
WBGene00014148	ZK909.3	1797.7	1425.5	2169.8	1.52	0.61	0.001999378	0.022290768
WBGene00001516	gap-2	4798.8	4236.4	5361.1	1.27	0.34	0.002007181	0.022314764
WBGene00011916	T22C1.5	3802.8	3363.1	4242.6	1.26	0.34	0.002007272	0.022314764
WBGene00007469	chil-4	26.4	11.4	41.4	3.63	1.86	0.002021507	0.022421678
WBGene00006406	srgp-1	23983.7	21291.9	26675.5	1.25	0.33	0.002036093	0.022478286
WBGene00000914	daf-19	1740.1	1513.7	1966.4	1.30	0.38	0.00204311	0.022541486
WBGene00010666	K08E4.2	837.3	717.1	957.6	1.34	0.42	0.002046962	0.022561404
WBGene00015740	C13E3.1	640.1	529.0	751.1	1.42	0.51	0.002080368	0.022874761
WBGene00009173	prom-1	4507.8	3984.4	5031.2	1.26	0.34	0.002092695	0.022969267
WBGene00009433	F35E12.9	1181.0	1014.6	1347.4	1.33	0.41	0.002097166	0.023008075
WBGene00012236	W04A8.1	1850.5	1619.0	2081.9	1.29	0.36	0.002101701	0.023037304

WBGene00012864	Y45F3A.9	1213.5	1049.8	1377.3	1.31	0.39	0.002103853	0.023050624
WBGene00016189	C28G1.4	80.2	47.8	112.5	2.36	1.24	0.002106124	0.023061647
WBGene00020760	T24C4.4	142.1	108.9	175.4	1.61	0.69	0.002113314	0.023094674
WBGene00019234	ugt-8	361.3	283.8	438.8	1.55	0.63	0.002118315	0.023136998
WBGene00007417	ceh-58	1037.7	899.7	1175.7	1.31	0.39	0.002120831	0.023154203
WBGene00011431	T04D3.1	1505.2	1268.0	1742.3	1.37	0.46	0.002138168	0.02330359
WBGene00018706	F52F10.2	170.1	68.8	271.5	3.94	1.98	0.002155932	0.023443854
WBGene00012277	ccch-3	2347.7	2064.8	2630.7	1.27	0.35	0.002161742	0.023486287
WBGene00013224	Y55D9A.2	4670.8	4133.8	5207.8	1.26	0.33	0.002173778	0.023596227
WBGene00004394	rol-1	2834.1	1095.7	4572.4	4.17	2.06	0.002190687	0.023717023
WBGene00000463	ceh-43	168.5	128.9	208.0	1.61	0.69	0.002196706	0.023761289
WBGene00001609	glp-1	21403.0	19011.1	23794.9	1.25	0.32	0.002196087	0.023761289
WBGene00007012	mdt-4	3607.7	3191.4	4024.1	1.26	0.33	0.00220265	0.023804675
WBGene00000496	chs-1	45733.3	40664.9	50801.7	1.25	0.32	0.002203711	0.023805686
WBGene00000301	cav-1	1184.0	651.1	1716.8	2.64	1.40	0.002207098	0.023821369
WBGene00018778	F53H1.4	16762.6	14923.3	18601.9	1.25	0.32	0.00220882	0.023822723
WBGene00022557	fbxb-15	65.8	43.1	88.5	2.05	1.04	0.002211678	0.023839446
WBGene00019842	R02F11.4	6587.5	5841.3	7333.6	1.26	0.33	0.002222566	0.023925387
WBGene00007961	C35D6.4	12.9	2.4	23.4	9.67	3.27	0.00223249	0.024011211
WBGene00003241	mig-5	9741.0	8653.5	10828.5	1.25	0.32	0.002234132	0.024018384
WBGene00007817	C30F2.3	522.0	390.2	653.7	1.68	0.74	0.002259783	0.024220107
WBGene00022252	Y73B6BL.31	1977.3	1735.7	2218.9	1.28	0.35	0.002262346	0.024237032
WBGene00022669	ZK177.1	1487.6	1260.7	1714.5	1.36	0.44	0.002264026	0.024244479
WBGene00015718	C13A2.1	12.2	2.7	21.7	8.08	3.01	0.002266892	0.02425826
WBGene00017583	F19B10.1	510.3	423.2	597.5	1.41	0.50	0.002274886	0.024320668
WBGene00138719	F26F2.10	33.6	14.9	52.3	3.51	1.81	0.002303005	0.024587021
WBGene00019041	fbxc-22	5.9	0.6	11.3	18.69	4.22	0.002308293	0.024622129
WBGene00015474	C05D9.7	419.2	349.0	489.5	1.40	0.49	0.002318069	0.024694303
WBGene00006773	unc-37	7423.4	6575.1	8271.7	1.26	0.33	0.002324016	0.024736251
WBGene00007823	C30H6.5	170.8	90.7	250.9	2.77	1.47	0.002331065	0.02477914
WBGene00045096	K01A6.7	23.6	9.8	37.3	3.79	1.92	0.00234397	0.024894824
WBGene00007188	B0464.9	2791.1	2462.2	3120.1	1.27	0.34	0.002362993	0.025053624
WBGene00004324	rde-2	5138.7	4558.8	5718.6	1.25	0.33	0.002372778	0.02512491
WBGene00013742	sas-1	3362.4	2967.3	3757.6	1.27	0.34	0.002378146	0.025149304
WBGene00022074	Y69A2AR.1	7348.4	6523.0	8173.7	1.25	0.33	0.002382187	0.025170409
WBGene00017988	fipp-1	8329.5	7397.0	9262.1	1.25	0.32	0.002385794	0.025197708
WBGene00012716	Y39E4B.5	8664.9	7681.1	9648.7	1.26	0.33	0.002392339	0.025255996
WBGene00000227	atm-1	7011.0	6215.5	7806.6	1.26	0.33	0.002401239	0.025339093
WBGene00019918	fbxc-36	305.9	249.4	362.3	1.45	0.54	0.002410164	0.025409114
WBGene00003779	nob-1	438.9	362.1	515.8	1.42	0.51	0.002410971	0.025409114
WBGene00011012	R04D3.4	827.9	681.0	974.8	1.43	0.52	0.002416808	0.025459732
WBGene00009157	F26E4.2	497.7	413.6	581.8	1.41	0.49	0.002420335	0.025485984
WBGene00002047	icp-1	11386.3	10101.8	12670.8	1.25	0.33	0.002425688	0.025524432
WBGene00007139	mnp-1	797.2	678.7	915.8	1.35	0.43	0.002427289	0.025526458
WBGene00020854	T27C4.1	1744.2	1510.7	1977.6	1.31	0.39	0.002452124	0.025732665
WBGene00020010	R11G1.1	77.3	52.4	102.3	1.95	0.97	0.002465691	0.025864019
WBGene00017365	F10G2.4	114.3	83.6	145.1	1.74	0.80	0.002477542	0.025955154
WBGene00010053	F54D5.9	8080.9	7168.3	8993.5	1.25	0.33	0.002481441	0.025973895
WBGene00011011	R04D3.3	9596.1	8386.7	10805.5	1.29	0.37	0.002483427	0.025983637
WBGene00020375	pigv-1	21239.7	18881.3	23598.1	1.25	0.32	0.002488607	0.026015719
WBGene00018740	tra-4	1860.5	1634.8	2086.1	1.28	0.35	0.002506739	0.026183035
WBGene00008961	F19H6.6	38.3	19.5	57.2	2.94	1.55	0.002522479	0.026313943
WBGene00194708	Y36E3A.2	169.3	114.3	224.4	1.96	0.97	0.002521916	0.026313943
WBGene00011047	R06A4.2	4812.5	4259.6	5365.4	1.26	0.33	0.002527389	0.026329445
WBGene00016317	C32D5.10	7560.9	6720.5	8401.3	1.25	0.32	0.00253284	0.026355022
WBGene00016934	mboa-3	4331.0	3827.1	4834.9	1.26	0.34	0.002544946	0.026469805
WBGene00000637	col-61	117.8	83.8	151.7	1.81	0.86	0.002546441	0.026474166
WBGene00022322	Y82E9BL.5	5.4	0.9	9.8	11.15	3.48	0.00256372	0.026620084
WBGene00012182	osta-3	4336.1	3839.3	4832.8	1.26	0.33	0.002592726	0.026819461
WBGene00007643	marc-3	11386.9	10130.0	12643.9	1.25	0.32	0.00259138	0.026819461
WBGene00019600	rga-3	20445.3	18218.5	22672.1	1.24	0.32	0.002591507	0.026819461
WBGene00020205	arrd-1	65.7	23.8	107.5	4.51	2.17	0.002638374	0.027182398
WBGene00001067	dpy-5	2432.2	933.3	3931.1	4.21	2.07	0.002636566	0.027182398
WBGene00004146	pqn-63	264.6	115.6	413.5	3.58	1.84	0.002638853	0.027182398
WBGene00000437	ceh-13	539.9	454.9	624.8	1.37	0.46	0.00263743	0.027182398

WBGene00009163	drsh-1	8281.4	7370.8	9192.0	1.25	0.32	0.002637263	0.027182398
WBGene00009984	F53F1.6	616.7	422.1	811.2	1.92	0.94	0.002647711	0.027262235
WBGene00019947	htz-1	22226.5	19125.8	25327.2	1.32	0.41	0.002650397	0.027278478
WBGene00007064	2RSSE.1	1526.0	1330.5	1721.5	1.29	0.37	0.002654116	0.027305343
WBGene00022180	Y71H2AM.15	403.3	334.1	472.5	1.41	0.50	0.00265843	0.027336821
WBGene00012610	Y38F1A.8	219.2	171.1	267.2	1.56	0.64	0.002662924	0.027352998
WBGene00004326	rde-4	9653.8	8606.0	10701.6	1.24	0.31	0.002671253	0.027390076
WBGene00016725	C46H3.2	1149.9	992.3	1307.4	1.32	0.40	0.002689299	0.027540704
WBGene00013041	pstk-1	311.8	253.4	370.2	1.46	0.55	0.002694672	0.027572793
WBGene00013862	wdr-5.3	8542.6	7577.6	9507.5	1.25	0.33	0.00270489	0.027665843
WBGene00016962	C56C10.4	52.5	16.9	88.1	5.20	2.38	0.002714015	0.027747643
WBGene00022417	Y102A11A.7	66.5	41.3	91.7	2.22	1.15	0.002749042	0.028035899
WBGene00010288	F58H1.5	384.4	315.6	453.2	1.44	0.52	0.002787832	0.028337586
WBGene00011143	R08D7.2	4232.7	3762.1	4703.3	1.25	0.32	0.002789136	0.028339138
WBGene00000678	col-104	2155.2	1178.7	3131.8	2.66	1.41	0.002802097	0.028412205
WBGene00002169	isw-1	22966.3	20492.8	25439.8	1.24	0.31	0.002801538	0.028412205
WBGene00017708	F22E5.9	1153.9	1006.4	1301.4	1.29	0.37	0.002834732	0.02870765
WBGene00016937	tag-294	1870.1	1647.3	2093.0	1.27	0.35	0.002836576	0.028714503
WBGene00013552	gmn-1	4508.3	3895.3	5121.3	1.31	0.39	0.002838715	0.028718706
WBGene00008732	F13B12.4	125.7	69.3	182.1	2.63	1.39	0.002847541	0.028763355
WBGene00002881	let-756	864.0	732.8	995.2	1.36	0.44	0.002854378	0.028793849
WBGene00008959	F19H6.4	1846.5	1620.1	2072.9	1.28	0.36	0.002854941	0.028793849
WBGene00008921	F17C11.10	20879.4	18623.2	23135.6	1.24	0.31	0.002853557	0.028793849
WBGene00022127	yop-1	21452.9	19066.5	23839.3	1.25	0.32	0.002862789	0.028846943
WBGene00015857	C16D9.1	929.4	743.6	1115.2	1.50	0.58	0.002872569	0.028878015
WBGene00021541	Y42H9B.3	7562.3	6731.5	8393.1	1.25	0.32	0.002873656	0.028878015
WBGene00010281	F58G11.3	12436.3	11078.7	13793.9	1.25	0.32	0.002877957	0.028907555
WBGene00020725	cnp-3	1301.5	1133.7	1469.3	1.30	0.37	0.002887516	0.02897992
WBGene00010926	M153.3	5.9	0.3	11.4	36.68	5.20	0.002892902	0.029010331
WBGene00003768	nlp-30	143.0	36.2	249.9	6.91	2.79	0.002903799	0.029107748
WBGene00007645	C17E4.6	8844.9	7879.8	9809.9	1.24	0.32	0.002905331	0.029111255
WBGene00022057	Y67D2.7	4523.2	3970.1	5076.3	1.28	0.35	0.002923327	0.02926775
WBGene00012429	Y11D7A.5	37.8	14.2	61.3	4.30	2.10	0.002939004	0.02939541
WBGene00003797	npp-11	16511.8	14702.1	18321.5	1.25	0.32	0.00293966	0.02939541
WBGene00011501	rmd-1	28052.1	24503.8	31600.4	1.29	0.37	0.002941385	0.029400715
WBGene00016309	sdz-4	17.6	5.8	29.3	5.01	2.32	0.002961164	0.029574398
WBGene00018794	attf-3	6233.0	5533.4	6932.6	1.25	0.33	0.002971757	0.029656134
WBGene00007042	pbrm-1	23006.8	20499.8	25513.8	1.24	0.32	0.002974265	0.029657119
WBGene00000818	csn-6	5814.5	5169.6	6459.3	1.25	0.32	0.002976154	0.029663946
WBGene00045024	C43F9.11	9.9	1.8	17.9	9.70	3.28	0.002993022	0.029807936
WBGene00021773	fbxb-42	15.4	6.0	24.7	4.13	2.05	0.003007988	0.029908586
WBGene00005021	sqv-3	3240.9	2876.2	3605.5	1.25	0.33	0.003020324	0.029982806
WBGene00019956	fbxb-75	31.3	16.2	46.4	2.87	1.52	0.003030679	0.03007347
WBGene00010568	K04G2.10	560.9	447.9	673.9	1.50	0.59	0.003038694	0.030140858
WBGene00000146	ape-1	16416.2	14639.5	18192.9	1.24	0.31	0.00304392	0.030180539
WBGene00000898	daf-2	13383.4	11910.6	14856.2	1.25	0.32	0.003048354	0.030206282
WBGene00021736	wrb-1	2442.9	2161.8	2723.9	1.26	0.33	0.003056642	0.030257931
WBGene00021576	fbxc-51	156.6	85.5	227.8	2.67	1.41	0.003063407	0.030312706
WBGene00000626	col-49	1580.8	636.6	2524.9	3.97	1.99	0.003072542	0.030366483
WBGene00011959	nyn-1	2714.3	2397.6	3031.0	1.26	0.34	0.003101699	0.030617776
WBGene00001063	dpy-1	104.1	76.5	131.7	1.72	0.78	0.003123245	0.030793419
WBGene00007286	C04A11.2	211.3	170.0	252.7	1.49	0.57	0.003178272	0.03126084
WBGene00021460	zwl-1	9855.9	8774.9	10936.8	1.25	0.32	0.003178269	0.03126084
WBGene00018010	F33E11.2	3912.9	3361.2	4464.6	1.33	0.41	0.003187872	0.031330225
WBGene00011313	T01B7.8	28.7	13.2	44.1	3.35	1.75	0.003201115	0.031385201
WBGene00010840	M03C11.3	10985.1	9794.5	12175.7	1.24	0.31	0.003200357	0.031385201
WBGene00011432	sdz-30	117.6	41.0	194.2	4.74	2.24	0.003212174	0.031468573
WBGene00002276	lem-3	8021.7	7152.0	8891.4	1.24	0.31	0.003236508	0.031694344
WBGene00020354	T08B6.5	22.7	11.3	34.1	3.02	1.60	0.003241574	0.03172707
WBGene00016088	clec-266	186.3	97.7	274.9	2.81	1.49	0.003243356	0.03172707
WBGene00020160	igcm-3	3016.7	2661.5	3371.8	1.27	0.34	0.003243716	0.03172707
WBGene00004334	ref-1	333.1	268.6	397.6	1.48	0.57	0.003249485	0.03177088
WBGene00016169	C27F2.7	1977.1	1738.9	2215.3	1.27	0.35	0.003282259	0.032065848
WBGene00017939	F31A3.5	1336.5	1165.8	1507.2	1.29	0.37	0.003288404	0.032113136
WBGene00019687	K12H6.7	33.9	17.4	50.3	2.89	1.53	0.003290428	0.032120165

WBGene00017093	E02C12.8	325.5	266.8	384.1	1.44	0.53	0.003308227	0.032224229
WBGene00007717	C25D7.5	313.2	255.3	371.0	1.45	0.54	0.003318706	0.03229376
WBGene00011559	umps-1	9802.7	8745.7	10859.8	1.24	0.31	0.003333617	0.032387657
WBGene00006324	sup-17	21508.7	19176.1	23841.3	1.24	0.31	0.003340368	0.032428642
WBGene00018085	ttr-20	273.9	204.2	343.5	1.68	0.75	0.003347949	0.032450065
WBGene00000395	cdh-3	759.2	649.9	868.5	1.34	0.42	0.003352272	0.032467454
WBGene00000493	che-14	239.2	189.8	288.7	1.52	0.61	0.003359827	0.03250146
WBGene00009007	otub-3	10032.4	8985.5	11079.4	1.23	0.30	0.003359853	0.03250146
WBGene00021717	sdz-32	5.4	0.3	10.4	35.48	5.15	0.003367164	0.032529152
WBGene00003595	ngn-1	8.2	1.9	14.6	7.91	2.98	0.003372818	0.032562907
WBGene00015233	B0511.7	4188.7	3728.3	4649.1	1.25	0.32	0.003391026	0.032713037
WBGene00045411	C25F9.11	90.6	34.5	146.7	4.25	2.09	0.003394511	0.032733825
WBGene00019815	kin-34	29.3	10.6	48.1	4.54	2.18	0.003403632	0.032808932
WBGene00016291	C31H1.8	13159.4	11762.7	14556.2	1.24	0.31	0.003407011	0.032828648
WBGene00018678	F52C12.1	3723.2	3300.1	4146.4	1.26	0.33	0.003417018	0.032899323
WBGene00015670	C10B5.1	609.4	522.2	696.5	1.33	0.42	0.003427873	0.032965163
WBGene00001583	gfi-3	1779.0	1566.1	1991.9	1.27	0.35	0.003427051	0.032965163
WBGene00021363	taf-6.2	6379.9	5682.7	7077.0	1.25	0.32	0.00342755	0.032965163
WBGene00007356	C06A1.6	7.1	1.2	13.1	10.96	3.45	0.003451875	0.033144192
WBGene00022577	nstp-3	22.4	3.5	41.2	11.67	3.55	0.003453711	0.033148896
WBGene00021704	Y48G9A.11	1109.9	970.1	1249.7	1.29	0.37	0.003457541	0.033159802
WBGene00000289	cam-1	6977.3	6222.2	7732.3	1.24	0.31	0.003465766	0.033217455
WBGene00020032	R12E2.6	16.2	4.2	28.2	6.63	2.73	0.003479696	0.033307398
WBGene00002004	hsf-1	9094.3	8128.1	10060.4	1.24	0.31	0.003496845	0.033432552
WBGene00014245	ZK1307.2	66.6	42.9	90.2	2.10	1.07	0.003521812	0.03359418
WBGene00021309	Y32G9B.1	198.1	110.3	286.0	2.59	1.37	0.003532063	0.033651652
WBGene00020684	T22D1.5	16500.7	14741.2	18260.1	1.24	0.31	0.003535359	0.033670023
WBGene00045486	K05F6.12	3.6	0.0	7.2	Inf	Inf	0.003557876	0.033832112
WBGene00000386	cdc-25.1	22301.1	19922.5	24679.7	1.24	0.31	0.003566728	0.033863976
WBGene00011945	alg-5	13172.4	11743.5	14601.4	1.24	0.31	0.003568285	0.033865693
WBGene00012156	ebp-2	8147.9	7054.4	9241.4	1.31	0.39	0.003571589	0.033883984
WBGene00000647	col-71	2778.4	1192.1	4364.6	3.66	1.87	0.003574577	0.033899275
WBGene00016662	C45B2.8	63.7	13.2	114.2	8.65	3.11	0.003589275	0.033910669
WBGene00015332	tyr-1	2123.6	1748.5	2498.7	1.43	0.52	0.003590435	0.033910669
WBGene00019672	K12B6.8	639.8	548.5	731.2	1.33	0.41	0.003591875	0.033910669
WBGene00016353	C33F10.4	1560.1	1371.6	1748.6	1.27	0.35	0.003584685	0.033910669
WBGene00009341	thoc-3	3864.9	3432.4	4297.4	1.25	0.32	0.003592027	0.033910669
WBGene00007710	rsa-1	9291.6	8301.1	10282.2	1.24	0.31	0.003579151	0.033910669
WBGene00015189	B0432.8	1456.3	1278.7	1633.8	1.28	0.35	0.003610698	0.03404511
WBGene00008133	efsc-1	1418.4	1240.6	1596.2	1.29	0.36	0.003623366	0.034151473
WBGene00013998	ZK550.4	5398.6	4817.9	5979.2	1.24	0.31	0.003637219	0.034242716
WBGene00021011	W03G1.5	97.7	58.7	136.6	2.33	1.22	0.003657457	0.034420086
WBGene00021155	Y4C6B.1	5496.5	4888.0	6105.0	1.25	0.32	0.003660446	0.034435051
WBGene00000399	cdh-7	103.3	61.9	144.7	2.34	1.22	0.003675391	0.034562436
WBGene00006882	vab-19	2067.5	1823.4	2311.5	1.27	0.34	0.003684617	0.034611099
WBGene00004077	pop-1	3390.3	3009.9	3770.7	1.25	0.33	0.003685778	0.034611099
WBGene00020921	W01C8.5	3258.5	2805.5	3711.5	1.32	0.40	0.00369029	0.03462319
WBGene00001089	dre-1	3722.8	3316.8	4128.9	1.24	0.32	0.003695333	0.034657295
WBGene00010948	M195.2	86.0	47.6	124.5	2.62	1.39	0.00370283	0.034687966
WBGene00008792	F14D7.5	10.3	2.7	18.0	6.78	2.76	0.003707842	0.034703663
WBGene00001072	dpy-10	400.5	300.0	501.1	1.67	0.74	0.003707486	0.034703663
WBGene00000980	dhs-17	1082.0	937.5	1226.5	1.31	0.39	0.003708735	0.034703663
WBGene00016671	C45G7.4	150.4	115.9	184.8	1.59	0.67	0.003711791	0.034705884
WBGene00017031	D1044.6	16327.0	14625.6	18028.4	1.23	0.30	0.003711287	0.034705884
WBGene00010421	slc-36.4	616.2	521.5	711.0	1.36	0.45	0.003735682	0.034876279
WBGene00018204	F39F10.4	41.7	23.1	60.3	2.61	1.38	0.003754536	0.035012472
WBGene00019748	atg-2	4621.2	4106.7	5135.7	1.25	0.32	0.003763041	0.035078492
WBGene00012651	orc-4	3144.6	2794.2	3495.0	1.25	0.32	0.003769104	0.035121714
WBGene00011087	R07B7.2	7900.1	7051.4	8748.8	1.24	0.31	0.003771414	0.035129947
WBGene00015453	C04G6.2	74.1	37.3	111.0	2.98	1.57	0.003794025	0.035288096
WBGene00019204	H14N18.4	2543.1	2241.9	2844.3	1.27	0.34	0.003794126	0.035288096
WBGene00002141	inx-19	53.8	35.4	72.2	2.04	1.03	0.003824196	0.035514104
WBGene00006938	wee-1.1	21.1	9.0	33.3	3.70	1.89	0.003827518	0.035518153
WBGene00001647	gna-2	10939.8	9387.0	12492.6	1.33	0.41	0.003857824	0.035760367
WBGene00000369	ccf-1	9820.3	8769.8	10870.8	1.24	0.31	0.00385567	0.035760367

WBGene00019591	fbxc-25	17.4	7.7	27.2	3.54	1.82	0.003862706	0.035763803
WBGene00009668	cfim-1	3997.1	3552.8	4441.5	1.25	0.32	0.003876161	0.035822314
WBGene00012220	W03C9.2	6631.0	5920.6	7341.5	1.24	0.31	0.003893762	0.035929734
WBGene00004893	sms-2	897.6	778.6	1016.6	1.31	0.38	0.003899458	0.035968812
WBGene00015409	C03H5.7	9.6	2.5	16.7	6.81	2.77	0.003905318	0.036009373
WBGene00011312	trcs-2	17509.9	15654.5	19365.3	1.24	0.31	0.00392817	0.036206524
WBGene00019042	fbxc-21	18.1	7.7	28.4	3.70	1.89	0.003951774	0.036396827
WBGene00003220	mes-2	6092.9	5441.5	6744.3	1.24	0.31	0.003954864	0.036411666
WBGene00018615	F48G7.4	313.1	258.3	368.0	1.42	0.51	0.003974749	0.036567396
WBGene00000606	col-17	1059.1	383.4	1734.9	4.53	2.18	0.003978237	0.036572148
WBGene00010537	mys-2	3600.9	3206.1	3995.7	1.25	0.32	0.003995505	0.036676111
WBGene00017241	pcyt-1	7222.9	6454.0	7991.8	1.24	0.31	0.003998969	0.036694228
WBGene00019124	F59E12.9	16773.2	15003.2	18543.3	1.24	0.31	0.004028689	0.036939404
WBGene00000747	col-174	91.2	46.0	136.4	2.97	1.57	0.004030424	0.036941551
WBGene00009025	phf-34	431.9	363.3	500.6	1.38	0.46	0.004034424	0.036964456
WBGene00000411	cdl-1	16211.1	14527.1	17895.1	1.23	0.30	0.004037207	0.036976188
WBGene00018664	bath-11	311.9	256.0	367.8	1.44	0.52	0.004054524	0.037107186
WBGene00019118	F59E12.1	12662.7	11329.0	13996.4	1.24	0.31	0.004069706	0.037204639
WBGene00019199	H14E04.2	6781.4	6051.5	7511.3	1.24	0.31	0.004089424	0.037357154
WBGene00012795	Y43E12A.3	1553.8	1366.1	1741.5	1.27	0.35	0.00410355	0.03743064
WBGene00010815	M01F1.9	6506.8	5796.1	7217.5	1.25	0.32	0.004120269	0.037527524
WBGene00009356	F33A8.10	36.0	15.9	56.1	3.52	1.82	0.004133683	0.037621865
WBGene00000176	aqp-8	9119.8	8100.5	10139.1	1.25	0.32	0.004151423	0.037741467
WBGene00002231	knl-1	15985.6	14301.4	17669.8	1.24	0.31	0.004149946	0.037741467
WBGene00018040	F35D2.2	7.7	1.2	14.2	11.90	3.57	0.004156072	0.037769784
WBGene00019953	wapl-1	11575.1	10365.9	12784.4	1.23	0.30	0.004157896	0.037772412
WBGene00013433	Y66D12A.7	628.0	510.0	746.0	1.46	0.55	0.004159642	0.037774333
WBGene00012904	tiar-2	3894.9	3477.5	4312.2	1.24	0.31	0.004171406	0.037842353
WBGene00003864	oma-1	33750.2	30240.4	37259.9	1.23	0.30	0.004171743	0.037842353
WBGene00020334	epg-7	4569.2	4066.6	5071.7	1.25	0.32	0.004189105	0.037971857
WBGene00002997	lin-8	835.1	684.2	986.1	1.44	0.53	0.004209406	0.038113775
WBGene00001707	grh-1	430.3	361.6	499.1	1.38	0.47	0.004215749	0.038143156
WBGene00010006	F53H2.3	5040.4	4484.8	5596.1	1.25	0.32	0.004231055	0.038253524
WBGene00004099	abu-15	622.8	300.5	945.0	3.14	1.65	0.004244238	0.038305747
WBGene00045419	lsy-12	7711.3	6902.0	8520.5	1.23	0.30	0.004250358	0.038329507
WBGene00013538	tag-349	7795.5	6751.9	8839.0	1.31	0.39	0.004265209	0.038421216
WBGene00010195	pot-2	1583.3	1394.0	1772.7	1.27	0.35	0.004277205	0.038482145
WBGene00003020	lin-35	10381.1	9295.5	11466.6	1.23	0.30	0.004278225	0.038482145
WBGene00006952	wrt-6	259.3	128.1	390.5	3.05	1.61	0.004282679	0.038508135
WBGene00012389	Y6B3B.4	6906.8	6172.0	7641.6	1.24	0.31	0.004290659	0.038537666
WBGene00009006	F21D5.1	19685.2	17629.6	21740.7	1.23	0.30	0.004300375	0.038610844
WBGene00019163	ubxn-6	14979.1	13456.0	16502.1	1.23	0.29	0.004304408	0.038632962
WBGene00017351	cutl-5	21.5	7.4	35.6	4.81	2.27	0.0043141	0.038698093
WBGene00016004	C18H9.6	2344.2	2058.2	2630.3	1.28	0.35	0.004314808	0.038698093
WBGene00044204	suds-3	3618.4	3229.8	4007.1	1.24	0.31	0.004330683	0.038826323
WBGene00015329	C02B10.4	8497.2	7607.3	9387.1	1.23	0.30	0.0043379	0.038862719
WBGene00000090	age-1	8631.2	7724.6	9537.8	1.23	0.30	0.004347316	0.038918752
WBGene00010621	egg-6	42776.4	38332.7	47220.0	1.23	0.30	0.00436119	0.039010059
WBGene00004829	sli-1	2963.9	2627.6	3300.2	1.26	0.33	0.004365806	0.039013346
WBGene00021687	Y48G8AL.7	834.1	702.9	965.2	1.37	0.46	0.004379344	0.039105937
WBGene00013610	fbxa-206	1990.2	1733.9	2246.5	1.30	0.37	0.004385096	0.039143102
WBGene00019037	fbxb-17	39.9	16.0	63.9	3.99	2.00	0.004390156	0.039174067
WBGene00021165	Y5H2B.3	23.6	6.5	40.7	6.29	2.65	0.004408062	0.039319593
WBGene00004050	parp-2	8393.4	7518.6	9268.1	1.23	0.30	0.004420316	0.039383742
WBGene00007342	C05D12.5	49.3	30.4	68.2	2.24	1.17	0.004450815	0.039606017
WBGene00001390	far-6	7103.4	6361.9	7844.9	1.23	0.30	0.004464023	0.039703677
WBGene00018041	F35D2.3	253.7	196.1	311.3	1.59	0.67	0.004474018	0.039749497
WBGene00011971	lron-9	1395.2	1226.0	1564.5	1.28	0.35	0.004472506	0.039749497
WBGene00016378	imp-3	5891.2	5261.7	6520.8	1.24	0.31	0.00448503	0.039832957
WBGene00003154	mcm-2	31778.5	28491.8	35065.2	1.23	0.30	0.004495133	0.03990829
WBGene00020628	T20F5.6	13320.2	11931.7	14708.7	1.23	0.30	0.004512185	0.040045236
WBGene00022831	cec-10	13082.6	11739.5	14425.7	1.23	0.30	0.004514087	0.040047679
WBGene00000756	col-183	21.0	6.8	35.2	5.19	2.38	0.004537558	0.040212437
WBGene00003640	nhr-50	406.6	340.2	473.0	1.39	0.48	0.004553852	0.040313302
WBGene00020081	sdz-29	23.5	6.9	40.1	5.79	2.53	0.004570366	0.040391985

WBGene00019244	H25P19.1	1960.1	1734.6	2185.5	1.26	0.33	0.004570944	0.040391985
WBGene00012648	Y39A1A.9	87.7	61.0	114.4	1.88	0.91	0.004578775	0.04044534
WBGene00013797	Y116A8C.20	10.2	3.6	16.8	4.71	2.23	0.00459633	0.040558079
WBGene00016562	C41D11.3	8597.2	7686.1	9508.2	1.24	0.31	0.004595308	0.040558079
WBGene00017317	attf-2	27149.0	24387.0	29911.1	1.23	0.29	0.004637032	0.040887927
WBGene00019906	R05G9R.1	90.8	58.3	123.2	2.11	1.08	0.004652119	0.040962269
WBGene00000875	cyk-4	19819.3	17763.3	21875.3	1.23	0.30	0.004660019	0.041017165
WBGene00012023	clec-34	3.8	0.0	7.6	Inf	Inf	0.004668389	0.041061474
WBGene00010502	K02C4.3	21582.7	19370.7	23794.7	1.23	0.30	0.004672866	0.041086179
WBGene00020163	T02G5.3	245.6	201.3	289.9	1.44	0.53	0.004689104	0.041214223
WBGene00001977	hmg-12	24724.5	21919.2	27529.8	1.26	0.33	0.004693328	0.041236635
WBGene00021246	Y22D7AL.7	1335.1	1176.4	1493.7	1.27	0.34	0.004724158	0.041448342
WBGene00003651	nhr-61	771.2	666.6	875.9	1.31	0.39	0.00474144	0.041580309
WBGene00015134	B0304.2	3298.3	2940.1	3656.5	1.24	0.31	0.004742577	0.041580309
WBGene00013578	scav-2	8210.0	7359.0	9060.9	1.23	0.30	0.004759588	0.041670806
WBGene00019715	M01G5.1	9191.1	8251.2	10131.0	1.23	0.30	0.00475967	0.041670806
WBGene00010101	fbxb-57	10.6	3.3	17.9	5.41	2.43	0.004773488	0.041747249
WBGene00002072	ima-1	13266.2	11909.7	14622.7	1.23	0.30	0.004811448	0.04201952
WBGene00006212	str-168	50.2	31.2	69.2	2.22	1.15	0.004822097	0.042039449
WBGene00013208	Y54G9A.5	2891.9	2392.8	3391.0	1.42	0.50	0.004835588	0.042118178
WBGene00021748	Y50D4C.3	4183.1	3715.0	4651.2	1.25	0.32	0.004836431	0.042118178
WBGene00018737	F53B1.4	209.9	79.2	340.7	4.30	2.11	0.004859494	0.04225923
WBGene00016603	met-1	14807.1	13279.3	16334.9	1.23	0.30	0.004876991	0.042381452
WBGene00015593	C08E3.1	36.6	17.7	55.5	3.13	1.65	0.004891074	0.042488831
WBGene00219985	F58D5.13	294.3	234.6	354.0	1.51	0.59	0.004902309	0.042556395
WBGene00206519	F36H5.13	5.8	0.9	10.6	11.78	3.56	0.004905456	0.042568705
WBGene00005077	src-1	8004.4	7174.1	8834.7	1.23	0.30	0.004916031	0.042630424
WBGene00001412	fem-2	9407.7	8444.4	10371.1	1.23	0.30	0.004921321	0.042661265
WBGene00015849	C16C8.11	855.6	746.0	965.2	1.29	0.37	0.004942325	0.04280634
WBGene00009587	mig-38	12389.5	11094.5	13684.6	1.23	0.30	0.00494675	0.04280634
WBGene00016997	cebp-1	1043.3	902.0	1184.5	1.31	0.39	0.004957111	0.042880925
WBGene00007772	egrh-1	1801.0	1594.0	2008.0	1.26	0.33	0.004970701	0.042968291
WBGene00017218	dct-5	235.8	148.8	322.8	2.17	1.12	0.004980108	0.0430194
WBGene00000191	arl-7	52.9	32.2	73.5	2.28	1.19	0.004982583	0.043025681
WBGene00006756	unc-17	428.2	356.7	499.7	1.40	0.49	0.00498743	0.043052435
WBGene00005394	srh-179	6.2	0.3	12.1	41.16	5.36	0.005002473	0.043126715
WBGene00003541	nas-22	217.0	171.4	262.5	1.53	0.61	0.005030208	0.043330543
WBGene00012203	rga-1	4285.4	3834.6	4736.1	1.24	0.30	0.005051834	0.043501609
WBGene00006956	wrt-10	108.3	39.0	177.6	4.56	2.19	0.00506244	0.043562465
WBGene00022138	trpp-10	2922.9	2598.3	3247.6	1.25	0.32	0.005072905	0.043606791
WBGene00019597	K09H9.5	430.5	359.2	501.8	1.40	0.48	0.005084361	0.043674767
WBGene00015191	B0432.10	1116.4	980.6	1252.3	1.28	0.35	0.005089179	0.043700906
WBGene00016202	kle-2	10498.6	9421.9	11575.3	1.23	0.30	0.005092462	0.043713854
WBGene00022286	rga-4	16222.7	14546.6	17898.9	1.23	0.30	0.005095418	0.043723976
WBGene00003422	msh-6	18192.1	16369.6	20014.6	1.22	0.29	0.005109526	0.043829762
WBGene00000794	crn-1	10700.5	9599.6	11801.4	1.23	0.30	0.005123396	0.043902853
WBGene00019043	fbxc-26	19.0	6.3	31.8	5.03	2.33	0.005131006	0.043937476
WBGene00189950	C39B5.14	29.4	15.1	43.8	2.91	1.54	0.0051356	0.043953884
WBGene00007231	C01G10.4	31.1	12.7	49.6	3.90	1.96	0.005165686	0.044172986
WBGene00001069	dpy-7	132.0	57.6	206.4	3.58	1.84	0.005185404	0.044326199
WBGene00001193	egl-26	1017.3	886.5	1148.0	1.29	0.37	0.00520298	0.044430161
WBGene00006795	unc-61	11490.0	10322.3	12657.7	1.23	0.29	0.005210921	0.044451719
WBGene00009285	F31C3.3	17594.8	15786.8	19402.8	1.23	0.30	0.005222921	0.044523235
WBGene00044724	R02E4.3	218.5	53.0	384.0	7.25	2.86	0.005228871	0.044558523
WBGene00006561	tcl-2	1089.0	954.5	1223.4	1.28	0.36	0.005232867	0.044577144
WBGene00007398	C07A4.3	216.9	169.8	263.9	1.55	0.64	0.005247664	0.044672282
WBGene00019761	M03F8.1	100.4	39.9	160.9	4.04	2.01	0.005281887	0.044888858
WBGene00044206	T26H5.9	414.6	219.2	610.0	2.78	1.48	0.005287968	0.044891205
WBGene00020475	sut-1	1767.8	1500.7	2035.0	1.36	0.44	0.005287143	0.044891205
WBGene00016501	C37C3.9	9797.3	8792.8	10801.8	1.23	0.30	0.005286937	0.044891205
WBGene00011981	T24C2.2	250.4	188.8	312.0	1.65	0.72	0.005302129	0.044995906
WBGene00011183	R09H10.6	12.6	3.9	21.3	5.40	2.43	0.005313198	0.045058772
WBGene00009852	arrd-24	39.9	21.2	58.6	2.76	1.46	0.005313019	0.045058772
WBGene00001716	grl-7	488.7	94.6	882.8	9.33	3.22	0.005319829	0.04509028
WBGene00020248	T05C1.1	126.0	95.1	156.9	1.65	0.72	0.005341762	0.045254245

WBGene00021853	Y54F10AM.11	1806.5	1496.8	2116.2	1.41	0.50	0.005349177	0.045301475
WBGene00018585	F48A11.4	4222.7	3773.7	4671.6	1.24	0.31	0.005389399	0.045585211
WBGene00002073	ima-2	45688.2	41076.5	50299.8	1.22	0.29	0.005389398	0.045585211
WBGene00016995	acly-1	21018.5	18895.5	23141.6	1.22	0.29	0.005397066	0.045612893
WBGene00000102	akt-1	17375.0	15619.5	19130.6	1.22	0.29	0.005400451	0.045625846
WBGene00010975	R01H10.7	8080.7	7256.0	8905.4	1.23	0.30	0.005403836	0.04563878
WBGene00011969	T23G11.4	2639.4	2357.1	2921.7	1.24	0.31	0.005411561	0.045657036
WBGene00021366	Y37E11AM.2	2135.9	1871.0	2400.8	1.28	0.36	0.005453138	0.045929116
WBGene00016130	C26B2.8	80.2	55.6	104.9	1.89	0.92	0.005460672	0.045970775
WBGene00013220	ctl-3	463.8	375.7	551.9	1.47	0.55	0.005477172	0.046068501
WBGene00044069	hat-1	13565.3	12188.6	14941.9	1.23	0.29	0.005483412	0.046105228
WBGene00000631	col-54	30.8	3.7	57.9	15.79	3.98	0.005494211	0.046145769
WBGene00044901	Y41G9A.10	395.3	298.9	491.6	1.64	0.72	0.00549756	0.046145769
WBGene00020858	mop-25.3	2121.7	1883.5	2359.9	1.25	0.33	0.005496773	0.046145769
WBGene00001833	hcp-6	13020.9	11678.5	14363.2	1.23	0.30	0.005499342	0.046145769
WBGene00001070	dpy-8	203.9	105.9	301.9	2.85	1.51	0.005510895	0.0462258
WBGene00016732	phat-1	43.0	16.5	69.4	4.19	2.07	0.005516857	0.046244302
WBGene00004243	puf-7	16090.9	14440.2	17741.7	1.23	0.30	0.005519745	0.046252755
WBGene00008020	C38H2.3	233.9	188.4	279.3	1.48	0.57	0.005521726	0.046253618
WBGene00012939	Y47D3B.1	28.4	9.0	47.9	5.33	2.41	0.005530413	0.046294879
WBGene00018573	oac-30	54.5	19.3	89.7	4.64	2.21	0.005545727	0.046375769
WBGene00019212	zmp-2	70.9	49.3	92.6	1.88	0.91	0.005557621	0.046459445
WBGene00008609	F09B12.5	15.6	6.7	24.6	3.68	1.88	0.005577705	0.046603332
WBGene00021781	Y51H7C.3	2133.0	1788.8	2477.2	1.38	0.47	0.005598244	0.046735562
WBGene00015939	C18A3.1	1413.2	1245.3	1581.1	1.27	0.34	0.005601898	0.04675021
WBGene00009113	maph-1.2	21199.9	18994.7	23405.2	1.23	0.30	0.005667586	0.047170489
WBGene00017416	F13B6.1	148.5	113.7	183.2	1.61	0.69	0.005670627	0.047179845
WBGene00018812	sumv-2	11236.1	10108.6	12363.6	1.22	0.29	0.005705046	0.047450182
WBGene00011976	T24B8.2	5965.2	5349.6	6580.8	1.23	0.30	0.005751352	0.04764606
WBGene00001979	hmp-2	10155.8	9128.5	11183.1	1.23	0.29	0.005839881	0.048213287
WBGene00010664	dbn-1	14439.3	12929.9	15948.7	1.23	0.30	0.005866142	0.048381424
WBGene00010685	aipl-1	17867.8	16076.6	19659.0	1.22	0.29	0.005880069	0.048463819
WBGene00004360	rib-1	2731.3	2440.0	3022.7	1.24	0.31	0.005897147	0.048555803
WBGene00022323	Y82E9BL.6	6.2	0.9	11.4	12.21	3.61	0.005899846	0.048561791
WBGene00007229	C01G6.9	194.3	140.5	248.1	1.77	0.82	0.005910068	0.048629666
WBGene00007174	mboa-1	48.7	24.4	72.9	2.98	1.58	0.005933529	0.048790101
WBGene00016767	C49C8.3	210.3	172.0	248.7	1.45	0.53	0.005946625	0.048865141
WBGene00000636	col-60	2010.3	1331.1	2689.4	2.02	1.01	0.005954072	0.048910007
WBGene00007243	nspb-7	52.9	25.2	80.7	3.20	1.68	0.005961298	0.048920398
WBGene00018813	F54D11.3	663.7	558.9	768.5	1.37	0.46	0.005963915	0.048925562
WBGene00000548	clr-1	14824.0	13331.0	16316.9	1.22	0.29	0.005993625	0.049108585
WBGene00010828	M02B1.3	13471.3	12100.0	14842.6	1.23	0.29	0.005998041	0.049123678
WBGene00004873	smc-3	14397.7	12965.4	15830.0	1.22	0.29	0.006017382	0.049219081
WBGene00020544	fbxb-84	38.1	14.1	62.0	4.40	2.14	0.006026627	0.049238931
WBGene00009717	dep-1	1307.5	1150.6	1464.3	1.27	0.35	0.006028114	0.049238931
WBGene00004738	scc-3	17006.1	15272.0	18740.1	1.23	0.30	0.00602778	0.049238931
WBGene00045253	F46C3.6	122.3	91.1	153.6	1.69	0.75	0.006035757	0.049285006
WBGene00010061	F54E12.2	29811.0	26836.2	32785.7	1.22	0.29	0.006057977	0.049450041
WBGene00012674	bed-1	1572.1	1348.6	1795.7	1.33	0.41	0.006063139	0.049459381
WBGene00020953	W02G9.3	2142.4	1907.5	2377.3	1.25	0.32	0.006071835	0.049497518
WBGene00017265	snpc-1.3	291.6	238.3	344.9	1.45	0.53	0.006080561	0.049519462
WBGene00011625	vps-39	13226.2	11907.0	14545.3	1.22	0.29	0.006086757	0.049537143
WBGene00007017	mdt-17	10614.4	9521.0	11707.9	1.23	0.30	0.006091475	0.04955881
WBGene00194892	dsb-2	2470.6	2198.4	2742.7	1.25	0.32	0.006102151	0.049613228
WBGene00000990	dhs-27	731.7	632.6	830.7	1.31	0.39	0.006107083	0.049636937
WBGene00019703	fbxb-41	29.8	9.9	49.7	5.05	2.34	0.006127747	0.049772023
WBGene00012002	T24H10.4	5215.2	4669.9	5760.5	1.23	0.30	0.006135798	0.049804557
WBGene00001597	gld-3	29734.4	26771.7	32697.1	1.22	0.29	0.006140372	0.049808835
WBGene00019354	K03B4.2	4841.0	4237.8	5444.3	1.28	0.36	0.006155746	0.049907823
WBGene00022399	Y97E10AR.4	4926.1	4413.7	5438.6	1.23	0.30	0.006158657	0.049907823

Table S2D. Genes downregulated in *ttr-1::gfp* compared to wildtype.

WormBase Gene ID	Public Name	baseMean	baseMeanA	baseMeanB	FC	log2FC	pval	padj
WBGene00045265	K10C2.8	1000.7	1906.1	95.4	0.05	-4.32	1.04E-149	1.27E-145
WBGene00001912	his-38	899.2	1556.8	241.6	0.16	-2.69	8.79E-76	5.41E-72
WBGene00021619	Y47D7A.6	565.4	965.2	165.6	0.17	-2.54	2.06E-62	1.02E-58
WBGene00022821	ZK813.2	2218.9	3737.1	700.7	0.19	-2.42	7.94E-60	3.26E-56
WBGene00013297	Y57G11B.5	11366.3	17646.4	5086.2	0.29	-1.79	9.34E-60	3.29E-56
WBGene00006718	ubc-23	159.9	310.2	9.6	0.03	-5.01	8.88E-56	2.43E-52
WBGene00022270	Y73E7A.3	979.0	1549.1	408.9	0.26	-1.92	1.19E-44	2.65E-41
WBGene00045473	F30A10.14	481.5	785.8	177.3	0.23	-2.15	4.80E-41	9.84E-38
WBGene00001914	his-40	696.2	1180.6	211.8	0.18	-2.48	2.14E-36	3.76E-33
WBGene00011753	T13F3.6	12571.2	18016.1	7126.4	0.40	-1.34	3.02E-34	4.96E-31
WBGene00020247	T05B11.4	2274.8	3335.1	1214.6	0.36	-1.46	3.30E-34	5.08E-31
WBGene00045399	Y47G6A.33	6579.7	9392.7	3766.6	0.40	-1.32	3.72E-33	5.39E-30
WBGene00007458	ule-4	20578.7	29641.4	11516.0	0.39	-1.36	1.35E-29	1.66E-26
WBGene00044535	K11D12.13	2334.2	3852.0	816.3	0.21	-2.24	8.33E-29	8.91E-26
WBGene00012880	Y45F10C.4	3445.9	4881.3	2010.4	0.41	-1.28	8.21E-29	8.91E-26
WBGene00044737	ttr-45	3398.2	4804.8	1991.6	0.41	-1.27	1.38E-28	1.42E-25
WBGene00016896	nep-4	332.7	525.6	139.7	0.27	-1.91	1.49E-28	1.47E-25
WBGene00016568	C41G11.1	1584.5	2280.0	889.0	0.39	-1.36	1.18E-27	1.12E-24
WBGene00021543	Y43B11AR.1	2552.3	3609.0	1495.6	0.41	-1.27	2.93E-27	2.67E-24
WBGene00020590	T19H12.6	110.6	206.5	14.7	0.07	-3.81	4.56E-25	4.01E-22
WBGene00044080	D1086.10	29444.0	39889.5	18998.4	0.48	-1.07	2.44E-24	2.07E-21
WBGene00044773	C08A9.10	1398.0	1968.2	827.9	0.42	-1.25	1.04E-23	8.29E-21
WBGene00020516	T15B7.1	7198.5	9793.8	4603.2	0.47	-1.09	3.04E-23	2.34E-20
WBGene00010084	F55B11.2	13333.7	18037.7	8629.7	0.48	-1.06	3.20E-23	2.38E-20
WBGene00010999	R03G8.4	45.5	88.3	2.7	0.03	-5.03	5.44E-22	3.85E-19
WBGene00011587	T07F10.1	5026.9	7004.9	3048.9	0.44	-1.20	5.48E-22	3.85E-19
WBGene00000620	col-43	193.5	324.9	62.1	0.19	-2.39	1.95E-21	1.34E-18
WBGene00000535	cpi-1	7310.5	9808.5	4812.5	0.49	-1.03	6.72E-21	4.24E-18
WBGene00012212	W02D9.6	1151.9	1653.5	650.3	0.39	-1.35	1.19E-20	7.17E-18
WBGene00017246	F08D12.2	341.8	523.3	160.3	0.31	-1.71	2.23E-20	1.31E-17
WBGene00019601	K09H11.4	63.1	115.8	10.3	0.09	-3.49	2.59E-20	1.48E-17
WBGene00012231	W04A4.2	1705.6	2359.9	1051.2	0.45	-1.17	1.28E-19	6.87E-17
WBGene00015683	C10G8.4	1976.8	3458.3	495.2	0.14	-2.80	1.88E-19	9.83E-17
WBGene00021620	Y47D7A.7	131.5	225.2	37.8	0.17	-2.57	8.12E-19	4.16E-16
WBGene00013391	Y62H9A.3	7791.2	10294.0	5288.4	0.51	-0.96	8.69E-19	4.37E-16
WBGene00008298	C54D10.3	3783.8	5016.7	2550.9	0.51	-0.98	2.35E-18	1.09E-15
WBGene00011000	R03G8.6	3561.3	4719.9	2402.6	0.51	-0.97	2.33E-18	1.09E-15
WBGene00010440	ttr-51	10263.6	13484.1	7043.0	0.52	-0.94	4.57E-18	2.05E-15
WBGene00017258	F08F1.4	428.8	624.2	233.3	0.37	-1.42	1.72E-17	7.44E-15
WBGene00020862	fip-2	1301.0	1802.7	799.3	0.44	-1.17	1.76E-17	7.45E-15
WBGene00008211	C49F5.7	3737.6	5207.4	2267.8	0.44	-1.20	1.97E-17	8.21E-15
WBGene00013394	ule-5	22862.3	29726.2	15998.4	0.54	-0.89	3.43E-17	1.38E-14
WBGene00020164	T02G5.4	5380.2	7024.2	3736.3	0.53	-0.91	9.22E-17	3.66E-14
WBGene00000984	dhs-21	3101.0	4097.5	2104.4	0.51	-0.96	1.28E-16	4.99E-14
WBGene00013392	Y62H9A.4	8286.3	10752.0	5820.6	0.54	-0.89	1.80E-16	6.82E-14
WBGene00010212	fbxa-192	1400.2	1874.6	925.8	0.49	-1.02	5.38E-16	2.01E-13
WBGene00001684	gpd-2	46120.4	60388.3	31852.5	0.53	-0.92	1.70E-15	6.07E-13
WBGene00010007	F53H4.2	7679.4	9884.2	5474.5	0.55	-0.85	3.81E-15	1.34E-12
WBGene00018055	F35F10.5	390.9	557.2	224.7	0.40	-1.31	1.21E-14	4.12E-12
WBGene00004747	sdc-3	4216.7	5426.2	3007.2	0.55	-0.85	2.30E-14	7.46E-12
WBGene00012671	Y39B6A.9	126.2	204.0	48.3	0.24	-2.08	4.00E-14	1.28E-11
WBGene00015802	kynu-1	12593.3	15997.1	9189.5	0.57	-0.80	5.93E-14	1.85E-11
WBGene00006925	vit-1	695832.2	882788.5	508875.8	0.58	-0.79	6.27E-14	1.93E-11
WBGene00194674	F23D12.11	5587.5	7543.6	3631.4	0.48	-1.05	6.96E-14	2.11E-11
WBGene00001399	fat-7	1379.1	2118.4	639.8	0.30	-1.73	8.12E-14	2.44E-11
WBGene00020992	W03F8.2	522.1	731.6	312.7	0.43	-1.23	9.85E-14	2.92E-11
WBGene00022822	ZK813.3	10029.6	13170.3	6888.8	0.52	-0.93	1.43E-13	4.20E-11
WBGene00001150	ech-1.1	662.8	894.1	431.6	0.48	-1.05	1.49E-13	4.31E-11
WBGene00007947	C35A5.3	2635.6	3513.9	1757.4	0.50	-1.00	2.11E-13	6.05E-11
WBGene00013393	Y62H9A.5	16974.2	21995.5	11952.9	0.54	-0.88	2.57E-13	7.18E-11
WBGene00003511	mxl-3	2273.0	3112.3	1433.8	0.46	-1.12	3.58E-13	9.80E-11

WBGene00002272	lec-9	13865.6	17951.3	9780.0	0.54	-0.88	4.39E-13	1.17E-10
WBGene00010962	ctc-3	111215.8	145022.7	77408.8	0.53	-0.91	4.60E-13	1.22E-10
WBGene00001685	gpd-3	56961.4	71343.7	42579.1	0.60	-0.74	5.23E-13	1.37E-10
WBGene00022245	acp-6	58511.6	76043.1	40980.1	0.54	-0.89	5.80E-13	1.50E-10
WBGene00020797	T25D3.3	937.9	1239.6	636.2	0.51	-0.96	6.69E-13	1.72E-10
WBGene00007282	clec-223	1847.0	2798.5	895.5	0.32	-1.64	7.42E-13	1.88E-10
WBGene00021050	W05H9.3	5935.6	7485.0	4386.3	0.59	-0.77	7.79E-13	1.96E-10
WBGene00020394	T10B5.8	444.5	611.5	277.5	0.45	-1.14	8.08E-13	2.01E-10
WBGene00000057	acr-18	425.3	591.5	259.2	0.44	-1.19	1.06E-12	2.60E-10
WBGene00206483	B0416.11	52.5	89.0	16.0	0.18	-2.47	1.55E-12	3.68E-10
WBGene00006927	vit-3	358346.0	452396.6	264295.3	0.58	-0.78	2.60E-12	6.04E-10
WBGene00008393	D1086.6	12365.5	15469.4	9261.6	0.60	-0.74	3.58E-12	8.17E-10
WBGene00020940	W02D7.4	1025.3	1348.1	702.5	0.52	-0.94	3.62E-12	8.17E-10
WBGene00018084	F36A4.5	299.8	423.6	175.9	0.42	-1.27	3.77E-12	8.44E-10
WBGene00014996	ZK1251.5	231.6	354.4	108.8	0.31	-1.70	3.95E-12	8.77E-10
WBGene00017780	F25E2.2	8862.6	11109.1	6616.1	0.60	-0.75	4.43E-12	9.75E-10
WBGene00020167	T02G5.11	483.0	652.2	313.8	0.48	-1.06	4.77E-12	1.04E-09
WBGene00020369	T08H10.1	13988.3	17445.2	10531.4	0.60	-0.73	5.08E-12	1.10E-09
WBGene00045271	F07G6.10	1303.4	1779.4	827.4	0.47	-1.10	5.33E-12	1.14E-09
WBGene00006541	tbh-1	16754.3	20887.0	12621.6	0.60	-0.73	6.29E-12	1.34E-09
WBGene00021128	W10C8.5	9526.5	11905.6	7147.5	0.60	-0.74	9.93E-12	2.04E-09
WBGene00045038	ule-2	8375.0	10455.4	6294.7	0.60	-0.73	1.04E-11	2.09E-09
WBGene00019622	K10C2.7	187.5	273.7	101.3	0.37	-1.43	1.51E-11	3.02E-09
WBGene00007357	C06A12.3	1294.9	1668.4	921.4	0.55	-0.86	1.52E-11	3.02E-09
WBGene00044665	F59A6.12	592.6	828.6	356.5	0.43	-1.22	1.75E-11	3.44E-09
WBGene00006493	tag-147	15615.5	19352.2	11878.8	0.61	-0.70	2.03E-11	3.91E-09
WBGene00010277	F58G6.7	3119.8	3997.0	2242.6	0.56	-0.83	2.44E-11	4.63E-09
WBGene00004875	smd-1	26740.3	33122.4	20358.1	0.61	-0.70	2.85E-11	5.31E-09
WBGene00219609	linc-7	1297.6	1671.8	923.4	0.55	-0.86	3.66E-11	6.72E-09
WBGene00021005	ule-1	6887.7	9148.2	4627.1	0.51	-0.98	3.93E-11	7.17E-09
WBGene00020528	lgc-54	155.3	244.0	66.7	0.27	-1.87	5.59E-11	1.00E-08
WBGene00004026	phy-3	598.4	799.0	397.9	0.50	-1.01	6.34E-11	1.12E-08
WBGene00023485	ttr-49	784.4	1031.3	537.5	0.52	-0.94	6.86E-11	1.21E-08
WBGene00010456	K01C8.1	11682.8	14456.4	8909.1	0.62	-0.70	1.11E-10	1.90E-08
WBGene00016722	C46G7.2	11009.5	13571.2	8447.7	0.62	-0.68	1.32E-10	2.24E-08
WBGene00007283	clec-222	476.6	741.2	212.0	0.29	-1.81	1.35E-10	2.27E-08
WBGene00044988	W01A8.8	1266.2	1644.4	888.0	0.54	-0.89	1.36E-10	2.27E-08
WBGene00008849	try-10	413.5	559.6	267.5	0.48	-1.07	1.63E-10	2.70E-08
WBGene00022820	ZK813.1	12265.9	15883.6	8648.2	0.54	-0.88	1.71E-10	2.79E-08
WBGene00010064	F54F7.2	1692.4	2141.3	1243.6	0.58	-0.78	1.71E-10	2.79E-08
WBGene00006929	vit-5	1057452.9	1323354.5	791551.3	0.60	-0.74	1.79E-10	2.89E-08
WBGene00044007	ZK1320.13	462.4	624.6	300.1	0.48	-1.06	1.91E-10	3.05E-08
WBGene00022887	ZK1290.5	822.7	1134.3	511.1	0.45	-1.15	2.34E-10	3.61E-08
WBGene00011244	R11D1.3	535.0	702.2	367.7	0.52	-0.93	2.39E-10	3.64E-08
WBGene00007313	clec-147	562.8	742.8	382.9	0.52	-0.96	2.53E-10	3.82E-08
WBGene00011407	ppat-1	2503.1	3136.6	1869.7	0.60	-0.75	2.69E-10	4.03E-08
WBGene00017502	F16B3.2	31.0	58.7	3.3	0.06	-4.15	2.83E-10	4.22E-08
WBGene00011172	R09E10.2	951.5	1263.8	639.2	0.51	-0.98	3.10E-10	4.60E-08
WBGene00008446	E01G4.3	3071.8	3812.6	2331.0	0.61	-0.71	4.87E-10	7.05E-08
WBGene00045268	ttr-42	1299.2	1868.6	729.9	0.39	-1.36	4.94E-10	7.11E-08
WBGene00008377	D1054.10	25697.2	31425.7	19968.7	0.64	-0.65	5.38E-10	7.61E-08
WBGene00012149	VF13D12L.3	14835.7	18171.5	11499.9	0.63	-0.66	6.32E-10	8.84E-08
WBGene00013855	ZC116.3	2395.0	2978.3	1811.7	0.61	-0.72	7.39E-10	1.02E-07
WBGene00010964	ctc-1	315707.5	396531.7	234883.3	0.59	-0.76	7.82E-10	1.08E-07
WBGene00008027	scl-5	92.1	141.5	42.7	0.30	-1.73	8.85E-10	1.21E-07
WBGene00021817	Y53G8B.1	908.4	1165.1	651.7	0.56	-0.84	1.04E-09	1.42E-07
WBGene00000829	ctb-1	186453.8	234644.1	138263.4	0.59	-0.76	1.06E-09	1.43E-07
WBGene00003055	lon-1	4924.6	6636.9	3212.3	0.48	-1.05	1.30E-09	1.74E-07
WBGene00017023	D1022.4	2036.2	2532.0	1540.3	0.61	-0.72	1.36E-09	1.81E-07
WBGene00010960	atp-6	51814.0	76432.1	27196.0	0.36	-1.49	1.40E-09	1.84E-07
WBGene00017975	F32B5.1	1355.4	1727.9	982.9	0.57	-0.81	1.43E-09	1.87E-07
WBGene00015141	ugt-46	8000.8	9790.9	6210.8	0.63	-0.66	1.51E-09	1.96E-07
WBGene00001863	him-4	27263.2	33398.3	21128.1	0.63	-0.66	1.64E-09	2.11E-07
WBGene00020609	T20D4.3	248.1	426.7	69.6	0.16	-2.62	1.67E-09	2.14E-07

WBGene00013514	Y73F4A.1	1064.7	1347.7	781.7	0.58	-0.79	1.95E-09	2.47E-07
WBGene00015449	ugt-63	3096.6	4596.9	1596.3	0.35	-1.53	2.00E-09	2.51E-07
WBGene00022246	acp-7	1601.5	2000.8	1202.2	0.60	-0.73	2.22E-09	2.74E-07
WBGene00021647	Y47G6A.22	5638.6	6882.7	4394.6	0.64	-0.65	2.23E-09	2.74E-07
WBGene00010593	gsnl-1	4419.1	5426.8	3411.4	0.63	-0.67	2.54E-09	3.09E-07
WBGene00022012	Y59H11AR.4	607.3	899.1	315.4	0.35	-1.51	2.75E-09	3.32E-07
WBGene00021779	Y51H7C.1	5686.0	7229.0	4143.0	0.57	-0.80	2.98E-09	3.56E-07
WBGene00019187	H11E01.2	477.0	643.6	310.3	0.48	-1.05	3.14E-09	3.73E-07
WBGene00017374	ttr-41	4989.4	6114.4	3864.5	0.63	-0.66	3.25E-09	3.85E-07
WBGene00017089	poml-2	726.9	952.7	501.2	0.53	-0.93	3.39E-09	3.99E-07
WBGene00007533	cbl-1	9811.8	11913.4	7710.2	0.65	-0.63	3.53E-09	4.13E-07
WBGene00015439	C04E12.10	85.1	136.5	33.7	0.25	-2.02	4.24E-09	4.89E-07
WBGene00012592	Y38E10A.14	4947.6	6021.1	3874.2	0.64	-0.64	4.25E-09	4.89E-07
WBGene00017105	E02H9.7	595.6	765.6	425.6	0.56	-0.85	5.31E-09	5.97E-07
WBGene00003957	pcp-2	7074.1	8609.2	5539.0	0.64	-0.64	5.88E-09	6.52E-07
WBGene00000114	alh-8	143044.4	172159.0	113929.7	0.66	-0.60	6.31E-09	6.94E-07
WBGene00011105	R07E3.4	3016.5	3730.6	2302.3	0.62	-0.70	6.58E-09	7.16E-07
WBGene00009830	cutl-18	788.8	1036.3	541.2	0.52	-0.94	6.97E-09	7.49E-07
WBGene00016760	C49A9.6	1524.6	1896.3	1152.9	0.61	-0.72	7.34E-09	7.82E-07
WBGene00008681	scrm-4	1176.9	1466.2	887.7	0.61	-0.72	7.48E-09	7.94E-07
WBGene00021616	Y47D7A.2	21.6	41.4	1.8	0.04	-4.52	9.09E-09	9.60E-07
WBGene00013704	Y106G6D.8	1353.9	1689.9	1017.9	0.60	-0.73	9.43E-09	9.92E-07
WBGene00002216	klp-3	2674.3	3286.5	2062.1	0.63	-0.67	9.90E-09	1.04E-06
WBGene00000967	dhs-3	6839.4	8829.9	4848.9	0.55	-0.86	1.02E-08	1.07E-06
WBGene00017322	clec-160	3538.2	4393.6	2682.8	0.61	-0.71	1.07E-08	1.11E-06
WBGene00022020	hpo-39	82.9	126.6	39.2	0.31	-1.69	1.14E-08	1.18E-06
WBGene00016942	C55B7.3	2095.8	2589.2	1602.3	0.62	-0.69	1.15E-08	1.18E-06
WBGene00012514	Y26E6A.3	1917.9	2363.2	1472.6	0.62	-0.68	1.25E-08	1.25E-06
WBGene00010943	M176.4	2108.5	2600.7	1616.3	0.62	-0.69	1.32E-08	1.32E-06
WBGene00001761	gst-13	4466.1	5440.9	3491.4	0.64	-0.64	1.37E-08	1.35E-06
WBGene00019203	ttr-47	5610.5	6793.9	4427.0	0.65	-0.62	1.55E-08	1.52E-06
WBGene00004989	spp-4	1516.1	2093.4	938.7	0.45	-1.16	1.66E-08	1.61E-06
WBGene00000708	col-135	2053.0	3565.0	541.1	0.15	-2.72	1.74E-08	1.68E-06
WBGene00017065	D2092.4	5700.3	6903.2	4497.5	0.65	-0.62	1.91E-08	1.82E-06
WBGene00022440	Y110A2AL.3	52.8	86.4	19.2	0.22	-2.17	1.95E-08	1.85E-06
WBGene00014138	clec-186	7214.5	8856.5	5572.6	0.63	-0.67	2.50E-08	2.33E-06
WBGene00007692	C23H4.3	785.5	1011.0	559.9	0.55	-0.85	2.57E-08	2.37E-06
WBGene00001774	gst-26	4561.5	5539.0	3584.0	0.65	-0.63	2.57E-08	2.37E-06
WBGene00022548	ZC196.4	332.1	446.3	217.8	0.49	-1.03	2.82E-08	2.57E-06
WBGene00001775	gst-27	6493.4	7853.2	5133.5	0.65	-0.61	2.82E-08	2.57E-06
WBGene00000966	dhs-2	602.8	775.2	430.4	0.56	-0.85	2.86E-08	2.60E-06
WBGene00014194	ZK1037.6	840.2	1056.1	624.2	0.59	-0.76	3.12E-08	2.78E-06
WBGene00020182	ugt-53	1759.3	2263.4	1255.2	0.55	-0.85	3.15E-08	2.80E-06
WBGene00008861	F15D4.4	208.2	297.2	119.3	0.40	-1.32	3.17E-08	2.81E-06
WBGene00013644	Y105C5A.25	740.3	936.0	544.5	0.58	-0.78	3.24E-08	2.84E-06
WBGene00022497	Y119D3B.21	15065.8	19700.9	10430.8	0.53	-0.92	3.81E-08	3.27E-06
WBGene00008629	cpt-5	2604.2	3715.6	1492.8	0.40	-1.32	3.87E-08	3.31E-06
WBGene00008378	ule-3	34313.5	40989.8	27637.3	0.67	-0.57	3.99E-08	3.40E-06
WBGene00016957	atic-1	5154.4	6253.4	4055.4	0.65	-0.62	4.08E-08	3.47E-06
WBGene00009514	F37H8.5	9578.0	11524.9	7631.1	0.66	-0.59	4.14E-08	3.51E-06
WBGene00016893	C53B7.2	1786.9	2189.5	1384.3	0.63	-0.66	4.36E-08	3.65E-06
WBGene00011571	ttr-46	9445.7	11346.4	7544.9	0.66	-0.59	4.48E-08	3.73E-06
WBGene00018130	F36H12.17	165.8	233.1	98.5	0.42	-1.24	4.63E-08	3.84E-06
WBGene00016435	C35B1.5	8347.3	10235.2	6459.4	0.63	-0.66	4.76E-08	3.93E-06
WBGene00011467	decr-1.3	570.9	747.8	394.0	0.53	-0.92	4.80E-08	3.94E-06
WBGene00013867	ZC373.2	9769.2	12655.3	6883.0	0.54	-0.88	5.05E-08	4.12E-06
WBGene00009629	sprr-2	351.9	460.4	243.3	0.53	-0.92	5.27E-08	4.27E-06
WBGene00019653	K11G9.2	540.9	715.2	366.6	0.51	-0.96	5.34E-08	4.31E-06
WBGene00044150	VB0395L.1	606.9	773.8	440.0	0.57	-0.81	5.66E-08	4.56E-06
WBGene00020140	ant-1.4	1026.4	1414.9	637.9	0.45	-1.15	6.04E-08	4.85E-06
WBGene00008654	F10F2.2	8190.9	9862.4	6519.5	0.66	-0.60	6.38E-08	5.10E-06
WBGene00017103	klo-2	1018.3	1266.9	769.7	0.61	-0.72	7.05E-08	5.56E-06
WBGene00017012	acs-22	5901.6	7226.9	4576.3	0.63	-0.66	7.40E-08	5.80E-06
WBGene00012587	Y38E10A.9	10.1	20.1	0.0	0.00	-Inf	7.95E-08	6.22E-06
WBGene00009824	gpdh-1	1609.9	2251.9	967.8	0.43	-1.22	8.11E-08	6.32E-06

WBGene00012439	Y12A6A.1	2343.9	2837.4	1850.4	0.65	-0.62	9.19E-08	7.11E-06
WBGene00002257	lbp-5	2428.7	2957.9	1899.5	0.64	-0.64	9.45E-08	7.29E-06
WBGene00008073	C43F9.5	132.1	195.2	69.0	0.35	-1.50	1.01E-07	7.77E-06
WBGene00022621	ZC477.7	1743.8	2178.4	1309.2	0.60	-0.73	1.16E-07	8.84E-06
WBGene00004112	pqn-22	33814.2	40604.9	27023.5	0.67	-0.59	1.19E-07	9.01E-06
WBGene00012538	Y37A1B.5	6743.1	8499.1	4987.0	0.59	-0.77	1.24E-07	9.31E-06
WBGene00020592	ugt-12	4082.2	4905.2	3259.2	0.66	-0.59	1.23E-07	9.31E-06
WBGene00010965	ctc-2	87128.4	116393.2	57863.6	0.50	-1.01	1.30E-07	9.74E-06
WBGene00006530	tba-4	10939.1	13059.9	8818.2	0.68	-0.57	1.31E-07	9.74E-06
WBGene00017962	fbxa-72	4089.6	4905.8	3273.3	0.67	-0.58	1.36E-07	1.01E-05
WBGene00020509	hex-1	6005.9	7193.3	4818.5	0.67	-0.58	1.41E-07	1.04E-05
WBGene00007175	B0395.3	7880.5	9411.6	6349.4	0.67	-0.57	1.45E-07	1.07E-05
WBGene00014755	F40F12.8	180.2	262.0	98.5	0.38	-1.41	1.47E-07	1.08E-05
WBGene00001915	his-41	3284.9	3945.3	2624.6	0.67	-0.59	1.51E-07	1.10E-05
WBGene00013560	zip-12	2119.8	2613.3	1626.4	0.62	-0.68	1.54E-07	1.12E-05
WBGene00010659	K08D8.5	1700.1	2193.9	1206.4	0.55	-0.86	1.56E-07	1.13E-05
WBGene00015894	acdh-2	2014.2	2878.3	1150.2	0.40	-1.32	1.57E-07	1.14E-05
WBGene00010829	M02B1.4	855.5	1078.8	632.1	0.59	-0.77	1.61E-07	1.16E-05
WBGene00017301	hach-1	27583.2	32739.9	22426.5	0.68	-0.55	1.62E-07	1.17E-05
WBGene00004084	pph-2	337.9	453.5	222.3	0.49	-1.03	1.70E-07	1.22E-05
WBGene00010085	F55B11.3	7377.8	8795.0	5960.6	0.68	-0.56	1.73E-07	1.23E-05
WBGene00044953	D2096.13	45.4	72.3	18.5	0.26	-1.96	1.76E-07	1.25E-05
WBGene00007867	C32H11.4	1982.5	2772.6	1192.3	0.43	-1.22	1.82E-07	1.28E-05
WBGene00012717	Y39E4B.6	3996.2	4968.9	3023.5	0.61	-0.72	1.82E-07	1.28E-05
WBGene00013078	ttr-25	1567.4	1913.4	1221.5	0.64	-0.65	1.84E-07	1.29E-05
WBGene00014307	F07H5.3	10704.6	12731.2	8678.0	0.68	-0.55	1.86E-07	1.30E-05
WBGene00013484	Y69H2.9	283.4	379.4	187.3	0.49	-1.02	1.93E-07	1.34E-05
WBGene00000283	cah-5	4818.3	5762.9	3873.6	0.67	-0.57	1.94E-07	1.34E-05
WBGene00019895	aagr-2	30285.6	35971.2	24600.0	0.68	-0.55	1.98E-07	1.37E-05
WBGene00012217	W02H3.1	725.4	952.6	498.3	0.52	-0.93	1.99E-07	1.37E-05
WBGene00015236	B0511.11	2505.9	3035.7	1976.2	0.65	-0.62	2.15E-07	1.46E-05
WBGene00001776	gst-28	2193.9	2653.6	1734.1	0.65	-0.61	2.15E-07	1.46E-05
WBGene00004005	pgp-11	1195.9	1462.3	929.5	0.64	-0.65	2.42E-07	1.62E-05
WBGene00001852	hil-1	402.5	520.8	284.2	0.55	-0.87	2.55E-07	1.70E-05
WBGene00014262	ZK1321.4	11698.3	13891.4	9505.1	0.68	-0.55	2.56E-07	1.71E-05
WBGene00249808	Y48G8AL.20	508.7	734.0	283.5	0.39	-1.37	2.58E-07	1.71E-05
WBGene00007875	dod-24	7008.6	8443.4	5573.7	0.66	-0.60	2.64E-07	1.74E-05
WBGene00015497	nhr-76	1808.1	2187.2	1429.0	0.65	-0.61	2.67E-07	1.75E-05
WBGene00044107	F58G6.9	1924.5	2537.0	1312.0	0.52	-0.95	2.70E-07	1.76E-05
WBGene00018221	F40A3.6	3127.4	3756.4	2498.3	0.67	-0.59	2.69E-07	1.76E-05
WBGene00021875	Y54G2A.10	256.2	342.3	170.1	0.50	-1.01	2.76E-07	1.78E-05
WBGene00017747	F23F1.6	1723.4	2108.4	1338.4	0.63	-0.66	2.75E-07	1.78E-05
WBGene00045210	C54D2.6	32.2	56.2	8.3	0.15	-2.75	2.83E-07	1.81E-05
WBGene00019858	R03H10.6	194.9	292.3	97.6	0.33	-1.58	2.83E-07	1.81E-05
WBGene00010411	H25K10.1	292.9	426.4	159.4	0.37	-1.42	2.83E-07	1.81E-05
WBGene00010989	R03D7.2	4182.1	5190.8	3173.4	0.61	-0.71	2.83E-07	1.81E-05
WBGene00001578	ges-1	2690.4	3242.0	2138.7	0.66	-0.60	2.94E-07	1.87E-05
WBGene00018135	F37A4.5	1043.3	1349.2	737.3	0.55	-0.87	3.02E-07	1.91E-05
WBGene00003235	mif-2	3253.9	3903.9	2603.9	0.67	-0.58	3.10E-07	1.95E-05
WBGene00001155	ech-6	66232.7	78298.0	54167.4	0.69	-0.53	3.31E-07	2.07E-05
WBGene00015820	C16A11.7	983.5	1226.2	740.9	0.60	-0.73	3.44E-07	2.15E-05
WBGene00021869	vrp-1	7444.0	8851.3	6036.8	0.68	-0.55	3.81E-07	2.36E-05
WBGene00004810	skr-4	1841.5	2237.5	1445.4	0.65	-0.63	3.83E-07	2.37E-05
WBGene00019279	K01A2.4	475.8	606.8	344.8	0.57	-0.82	4.21E-07	2.60E-05
WBGene00001520	gas-1	20225.4	23881.3	16569.5	0.69	-0.53	4.30E-07	2.64E-05
WBGene00017041	D2007.1	508.5	664.8	352.3	0.53	-0.92	4.51E-07	2.75E-05
WBGene00010682	K08F8.5	405.8	528.1	283.4	0.54	-0.90	4.58E-07	2.79E-05
WBGene00008694	F11C1.5	19395.9	22849.5	15942.3	0.70	-0.52	4.62E-07	2.81E-05
WBGene00045276	F18E3.13	477.4	641.8	313.0	0.49	-1.04	4.75E-07	2.87E-05
WBGene00017567	F18E3.11	411.8	569.4	254.3	0.45	-1.16	4.93E-07	2.95E-05
WBGene00008986	F20G2.2	4016.5	4781.5	3251.5	0.68	-0.56	5.53E-07	3.30E-05
WBGene00019738	clec-265	3456.7	4264.4	2648.9	0.62	-0.69	5.69E-07	3.38E-05
WBGene00011879	pho-7	1281.7	1556.2	1007.1	0.65	-0.63	5.98E-07	3.53E-05
WBGene00013052	scrm-7	206.6	288.2	124.9	0.43	-1.21	6.04E-07	3.55E-05
WBGene00015116	pacs-1	5049.5	6025.4	4073.7	0.68	-0.56	6.16E-07	3.59E-05

WBGene00020311	T07D3.9	4220.2	5080.2	3360.3	0.66	-0.60	6.25E-07	3.62E-05
WBGene00016717	math-22	1277.3	1553.7	1000.8	0.64	-0.63	6.55E-07	3.78E-05
WBGene00000712	col-139	213707.4	266764.1	160650.6	0.60	-0.73	6.76E-07	3.89E-05
WBGene00008333	C55A6.4	1500.2	1824.3	1176.1	0.64	-0.63	7.04E-07	4.03E-05
WBGene00007331	pho-11	16835.8	21095.8	12575.8	0.60	-0.75	7.11E-07	4.05E-05
WBGene00015043	cyp-34A8	3271.4	3897.9	2645.0	0.68	-0.56	7.58E-07	4.30E-05
WBGene00017069	timm-17B.2	1664.6	2127.2	1201.9	0.57	-0.82	7.66E-07	4.32E-05
WBGene00022053	cisd-3.2	8068.0	9536.6	6599.4	0.69	-0.53	7.65E-07	4.32E-05
WBGene00006928	vit-4	341155.8	400212.5	282099.0	0.70	-0.50	7.68E-07	4.32E-05
WBGene00009396	clec-65	11487.9	13569.6	9406.2	0.69	-0.53	8.36E-07	4.69E-05
WBGene00009686	ent-7	1455.4	1777.7	1133.2	0.64	-0.65	8.41E-07	4.71E-05
WBGene00012213	W02D9.7	3681.9	4569.8	2794.0	0.61	-0.71	8.52E-07	4.76E-05
WBGene00003423	msi-1	8774.0	10375.1	7172.9	0.69	-0.53	8.60E-07	4.79E-05
WBGene00020630	T20F7.1	3530.6	4296.0	2765.2	0.64	-0.64	8.98E-07	4.95E-05
WBGene00019208	lips-14	359.2	496.2	222.2	0.45	-1.16	9.37E-07	5.12E-05
WBGene00011124	sdz-27	4775.2	5664.1	3886.4	0.69	-0.54	9.52E-07	5.19E-05
WBGene00000988	dhs-25	11432.8	14578.9	8286.7	0.57	-0.82	9.78E-07	5.30E-05
WBGene00001693	grd-4	207.7	285.5	129.8	0.45	-1.14	9.98E-07	5.40E-05
WBGene00010900	M28.9	2981.8	3713.9	2249.7	0.61	-0.72	1.01E-06	5.46E-05
WBGene00019026	F58A6.9	1902.8	2513.4	1292.3	0.51	-0.96	1.04E-06	5.61E-05
WBGene00050946	M162.12	280.0	365.6	194.3	0.53	-0.91	1.05E-06	5.62E-05
WBGene00008113	C46C2.5	754.7	976.5	532.9	0.55	-0.87	1.06E-06	5.68E-05
WBGene00008594	clec-57	1289.6	1618.9	960.3	0.59	-0.75	1.10E-06	5.88E-05
WBGene00020471	pho-14	5061.3	6002.6	4120.0	0.69	-0.54	1.18E-06	6.22E-05
WBGene00009360	F33E2.4	187.4	256.5	118.2	0.46	-1.12	1.19E-06	6.26E-05
WBGene00019937	R07E4.3	1752.6	2152.9	1352.3	0.63	-0.67	1.19E-06	6.27E-05
WBGene00015469	C05D2.8	5793.4	6937.3	4649.5	0.67	-0.58	1.20E-06	6.28E-05
WBGene00011668	clec-47	381.5	612.3	150.7	0.25	-2.02	1.21E-06	6.30E-05
WBGene00000140	anc-1	12359.3	14496.3	10222.2	0.71	-0.50	1.26E-06	6.55E-05
WBGene00011679	ucr-2.2	11479.5	13483.0	9475.9	0.70	-0.51	1.34E-06	6.96E-05
WBGene00219688	linc-21	187.0	255.0	119.0	0.47	-1.10	1.41E-06	7.26E-05
WBGene00077701	poml-3	4551.2	5379.9	3722.6	0.69	-0.53	1.46E-06	7.49E-05
WBGene00011683	phat-6	607.9	788.0	427.8	0.54	-0.88	1.51E-06	7.68E-05
WBGene00001794	gta-1	51362.3	60153.6	42571.0	0.71	-0.50	1.55E-06	7.87E-05
WBGene00009714	F44G4.5	493.1	630.0	356.2	0.57	-0.82	1.57E-06	7.94E-05
WBGene00013693	Y105E8B.9	975.6	1186.9	764.4	0.64	-0.63	1.59E-06	7.99E-05
WBGene00017440	upb-1	25801.2	30238.3	21364.1	0.71	-0.50	1.60E-06	8.01E-05
WBGene00018278	F41C6.4	12.5	22.1	2.9	0.13	-2.91	1.65E-06	8.26E-05
WBGene00000657	col-81	175175.1	219579.9	130770.3	0.60	-0.75	1.72E-06	8.58E-05
WBGene00002267	lec-4	6168.4	7266.8	5070.0	0.70	-0.52	1.79E-06	8.88E-05
WBGene00003652	nhr-62	586.6	736.0	437.1	0.59	-0.75	1.80E-06	8.90E-05
WBGene00009321	F32B6.4	1567.1	1994.6	1139.6	0.57	-0.81	1.83E-06	9.05E-05
WBGene00002269	lec-6	20660.9	24717.6	16604.3	0.67	-0.57	1.90E-06	9.31E-05
WBGene00016635	C44B11.6	799.5	983.6	615.3	0.63	-0.68	1.97E-06	9.65E-05
WBGene00007303	rnh-1.3	537.2	668.7	405.6	0.61	-0.72	2.14E-06	0.000103663
WBGene00008912	F17C8.7	1358.2	1672.2	1044.2	0.62	-0.68	2.15E-06	0.000103663
WBGene00194821	dmsr-16	16.4	31.0	1.8	0.06	-4.11	2.31E-06	0.000110738
WBGene00016885	fbxb-97	309.8	427.8	191.7	0.45	-1.16	2.36E-06	0.000112515
WBGene00017730	F22H10.6	598.5	768.5	428.4	0.56	-0.84	2.42E-06	0.000115389
WBGene00016825	C50E10.1	1561.5	1995.6	1127.3	0.56	-0.82	2.43E-06	0.000115722
WBGene00002050	ifa-1	14395.4	16866.3	11924.6	0.71	-0.50	2.46E-06	0.000116491
WBGene00022728	ZK402.1	37.0	61.4	12.6	0.20	-2.29	2.47E-06	0.000116564
WBGene00013310	Y57G11C.14	487.5	622.9	352.1	0.57	-0.82	2.57E-06	0.00012056
WBGene00003443	msp-50	5903.7	7388.0	4419.3	0.60	-0.74	2.62E-06	0.000122148
WBGene00017881	asp-13	27202.8	31824.0	22581.5	0.71	-0.49	2.62E-06	0.000122148
WBGene00011493	T05F1.8	1339.9	1650.3	1029.5	0.62	-0.68	2.70E-06	0.000125535
WBGene00012094	T27E9.2	9178.7	10772.2	7585.1	0.70	-0.51	2.79E-06	0.000128169
WBGene00000174	aqp-6	89.4	129.3	49.5	0.38	-1.38	2.80E-06	0.000128504
WBGene00007684	C18E9.4	7046.5	8272.9	5820.0	0.70	-0.51	2.88E-06	0.000131786
WBGene00008661	F10G8.1	570.6	721.7	419.5	0.58	-0.78	2.93E-06	0.000133023
WBGene00044527	Y39H10B.2	1788.3	2137.5	1439.2	0.67	-0.57	2.93E-06	0.000133023
WBGene00018491	mdh-1	66651.4	77604.0	55698.8	0.72	-0.48	2.92E-06	0.000133023
WBGene00000525	clc-4	38.4	62.5	14.2	0.23	-2.14	2.94E-06	0.000133388
WBGene00014454	MTCE.7	4866.7	6255.4	3478.0	0.56	-0.85	3.16E-06	0.000142182
WBGene00001055	dpf-2	5337.2	6266.1	4408.2	0.70	-0.51	3.20E-06	0.000143612

WBGene00008554	F07C6.3	752.7	917.7	587.7	0.64	-0.64	3.35E-06	0.000149937
WBGene00008388	D1086.1	314.5	407.3	221.6	0.54	-0.88	3.40E-06	0.000151577
WBGene00003738	nid-1	20513.2	23953.3	17073.2	0.71	-0.49	3.52E-06	0.000156079
WBGene00015803	C15H9.9	9285.7	10868.0	7703.4	0.71	-0.50	3.58E-06	0.000158245
WBGene00021397	Y38C1AA.6	225.6	297.3	153.9	0.52	-0.95	3.61E-06	0.000159274
WBGene00013007	Y48E1B.8	909.6	1701.4	117.8	0.07	-3.85	3.65E-06	0.000160643
WBGene00017436	F13H8.3	1849.2	2377.3	1321.2	0.56	-0.85	3.66E-06	0.000160828
WBGene00011330	T01D3.6	21151.5	26313.7	15989.3	0.61	-0.72	3.91E-06	0.000170545
WBGene00006408	tag-18	11261.5	13151.6	9371.5	0.71	-0.49	3.97E-06	0.000172528
WBGene00195183	R04A9.9	630.3	777.0	483.7	0.62	-0.68	3.97E-06	0.00017253
WBGene00001389	far-5	608.7	748.8	468.7	0.63	-0.68	4.00E-06	0.000173558
WBGene00010274	F58G6.3	1410.5	1856.6	964.4	0.52	-0.94	4.02E-06	0.000173922
WBGene00006886	vap-1	904.8	1107.3	702.3	0.63	-0.66	4.12E-06	0.000177359
WBGene00018811	pmt-2	78420.1	91385.3	65454.9	0.72	-0.48	4.14E-06	0.000177796
WBGene00045394	ZK813.7	12088.1	14745.3	9430.8	0.64	-0.64	4.15E-06	0.000178083
WBGene00007315	C04H5.7	544.8	727.3	362.3	0.50	-1.01	4.34E-06	0.000185394
WBGene00022085	Y69A2AR.14	357.6	466.9	248.3	0.53	-0.91	4.48E-06	0.000190992
WBGene00016999	D1005.5	16.1	29.0	3.2	0.11	-3.18	4.55E-06	0.00019341
WBGene00018718	F52H2.6	5031.7	5906.1	4157.2	0.70	-0.51	4.82E-06	0.000203585
WBGene00001430	fkb-5	1401.7	1684.1	1119.4	0.66	-0.59	4.85E-06	0.000204107
WBGene00010471	cdr-6	3703.8	4351.6	3056.0	0.70	-0.51	4.91E-06	0.000205911
WBGene00018174	F38B6.4	5222.4	6142.7	4302.1	0.70	-0.51	5.11E-06	0.000213974
WBGene00016266	idhg-2	3766.7	4431.3	3102.2	0.70	-0.51	5.17E-06	0.000215919
WBGene00009626	F42A8.1	14365.6	17406.5	11324.7	0.65	-0.62	5.27E-06	0.000219244
WBGene00021263	Y22D7AR.10	1060.5	1687.5	433.6	0.26	-1.96	5.32E-06	0.000220669
WBGene00020914	sulp-6	765.3	943.6	587.0	0.62	-0.68	5.55E-06	0.000229182
WBGene00020215	T04G9.4	2027.2	2409.2	1645.2	0.68	-0.55	5.58E-06	0.000230125
WBGene00022083	Y69A2AR.12	673.3	976.5	370.2	0.38	-1.40	5.78E-06	0.000235155
WBGene00000703	col-129	250701.4	312068.5	189334.2	0.61	-0.72	5.78E-06	0.000235155
WBGene00009513	sfxn-1.2	467.5	625.0	310.1	0.50	-1.01	5.88E-06	0.000238383
WBGene00008068	sdz-6	110.5	183.6	37.3	0.20	-2.30	5.94E-06	0.000239936
WBGene00010904	ugt-62	9683.7	12374.6	6992.8	0.57	-0.82	6.21E-06	0.000250344
WBGene00019017	F57F4.4	53226.7	64593.3	41860.1	0.65	-0.63	6.58E-06	0.000264617
WBGene00022079	Y69A2AR.8	675.5	878.2	472.9	0.54	-0.89	6.64E-06	0.00026519
WBGene00003786	npa-1	61986.9	71956.5	52017.2	0.72	-0.47	6.67E-06	0.000266075
WBGene00023417	swm-1	1116.5	1356.7	876.3	0.65	-0.63	6.88E-06	0.000273286
WBGene00008538	sqrd-1	517.0	747.1	286.9	0.38	-1.38	7.06E-06	0.000279183
WBGene00012909	spds-1	2579.8	3047.2	2112.4	0.69	-0.53	7.20E-06	0.000283454
WBGene00017703	F22E5.1	468.6	605.5	331.7	0.55	-0.87	7.22E-06	0.000283629
WBGene00001772	gst-24	528.0	659.8	396.2	0.60	-0.74	7.27E-06	0.000285045
WBGene00000239	bas-1	3436.9	4034.9	2839.0	0.70	-0.51	7.32E-06	0.000286539
WBGene00011984	T24C2.5	428.0	538.0	318.0	0.59	-0.76	7.40E-06	0.000288642
WBGene00014082	ZK795.2	1199.5	1473.5	925.5	0.63	-0.67	7.44E-06	0.000289498
WBGene00007557	C14A4.6	1267.4	1518.2	1016.6	0.67	-0.58	7.44E-06	0.000289498
WBGene00010079	F55A11.6	1839.5	2181.0	1498.1	0.69	-0.54	7.46E-06	0.000289665
WBGene00002130	inx-8	8377.2	9762.1	6992.2	0.72	-0.48	7.51E-06	0.000291227
WBGene00009408	F35C12.3	558.9	687.4	430.4	0.63	-0.68	7.54E-06	0.000291236
WBGene00044081	D1086.11	7791.2	9068.1	6514.3	0.72	-0.48	7.65E-06	0.000295126
WBGene00022072	cpg-9	6620.2	7797.2	5443.1	0.70	-0.52	7.68E-06	0.000295838
WBGene00015030	B0207.7	316.2	436.0	196.4	0.45	-1.15	7.87E-06	0.000302402
WBGene00020258	T05E7.1	1999.8	3083.6	916.1	0.30	-1.75	7.89E-06	0.000302438
WBGene00016312	C32D5.4	580.6	727.9	433.2	0.60	-0.75	8.08E-06	0.000308839
WBGene00012535	Y37A1A.2	1518.0	1890.9	1145.1	0.61	-0.72	8.47E-06	0.000321657
WBGene00010953	clec-190	98.8	170.3	27.3	0.16	-2.64	8.67E-06	0.000326339
WBGene00018142	oac-22	36.5	59.1	13.9	0.23	-2.09	8.62E-06	0.000326339
WBGene00006984	zig-7	2235.5	2700.8	1770.3	0.66	-0.61	8.62E-06	0.000326339
WBGene00020954	W02G9.4	1249.4	1494.3	1004.4	0.67	-0.57	8.64E-06	0.000326339
WBGene00019620	fah-1	17761.9	20600.0	14923.9	0.72	-0.47	8.66E-06	0.000326339
WBGene00007894	C33D3.3	135.2	193.5	77.0	0.40	-1.33	8.72E-06	0.000327939
WBGene00011474	aldo-1	17278.8	20030.2	14527.4	0.73	-0.46	8.78E-06	0.000329318
WBGene00011573	anmt-3	5251.3	6451.9	4050.7	0.63	-0.67	8.80E-06	0.00032983
WBGene00012582	clec-8	629.1	775.8	482.4	0.62	-0.69	8.84E-06	0.000330134
WBGene00010357	H03A11.2	4472.4	5479.4	3465.4	0.63	-0.66	8.84E-06	0.000330134
WBGene00002012	hsp-12.3	171.2	231.3	111.1	0.48	-1.06	8.98E-06	0.000334379
WBGene00022732	ZK418.2	659.6	827.2	492.1	0.59	-0.75	9.18E-06	0.000340847

WBGene00009636	F42F12.4	1033.2	1241.6	824.7	0.66	-0.59	9.25E-06	0.000342461
WBGene00018519	F46H5.3	190194.0	219878.6	160509.3	0.73	-0.45	9.32E-06	0.000344593
WBGene00021639	Y47G6A.13	595.4	746.4	444.4	0.60	-0.75	9.42E-06	0.000347628
WBGene00002268	lec-5	19962.3	23161.5	16763.2	0.72	-0.47	1.01E-05	0.000372301
WBGene00020917	W01B11.6	1565.4	1872.7	1258.0	0.67	-0.57	1.03E-05	0.00037893
WBGene00012115	T28B8.4	1340.8	1611.6	1070.0	0.66	-0.59	1.05E-05	0.00038106
WBGene00017688	ttr-35	1725.6	2047.9	1403.4	0.69	-0.55	1.04E-05	0.00038106
WBGene00002497	let-268	2930.6	3445.4	2415.9	0.70	-0.51	1.05E-05	0.00038106
WBGene00016752	C48E7.7	501.7	644.7	358.6	0.56	-0.85	1.06E-05	0.000383411
WBGene00021136	W10G11.3	926.2	1220.6	631.7	0.52	-0.95	1.11E-05	0.000400682
WBGene00016491	acdh-5	988.2	1244.0	732.4	0.59	-0.76	1.12E-05	0.000404384
WBGene00022130	Y71F9B.9	304.3	394.6	213.9	0.54	-0.88	1.15E-05	0.000410954
WBGene00022654	ZK105.3	175.5	242.7	108.3	0.45	-1.16	1.16E-05	0.000414257
WBGene00013357	clec-260	147.3	206.6	88.0	0.43	-1.23	1.20E-05	0.00042597
WBGene00044680	F30A10.13	136.9	184.3	89.4	0.48	-1.04	1.20E-05	0.000426783
WBGene00019656	slc-25A10	7579.0	8805.4	6352.7	0.72	-0.47	1.21E-05	0.000430571
WBGene00011439	T04F3.4	836.2	1008.5	663.9	0.66	-0.60	1.23E-05	0.000435206
WBGene00019189	H11L12.1	1521.8	2014.4	1029.2	0.51	-0.97	1.23E-05	0.000435363
WBGene00077563	peel-1	241.5	322.3	160.6	0.50	-1.01	1.27E-05	0.00044699
WBGene00000112	alh-6	21790.0	25203.3	18376.7	0.73	-0.46	1.28E-05	0.000449672
WBGene00010289	F58H1.6	818.3	1087.9	548.7	0.50	-0.99	1.29E-05	0.000450264
WBGene00017108	cyp-43A1	1945.7	2300.4	1591.0	0.69	-0.53	1.29E-05	0.00045103
WBGene00018146	F37C4.6	4149.9	4838.1	3461.7	0.72	-0.48	1.30E-05	0.000451881
WBGene00010706	cyp-14A2	318.9	405.6	232.1	0.57	-0.80	1.32E-05	0.000457692
WBGene00022090	Y69A2AR.19	4496.9	5597.0	3396.7	0.61	-0.72	1.38E-05	0.000476253
WBGene00007756	C27A7.5	9760.6	11348.4	8172.9	0.72	-0.47	1.39E-05	0.000477657
WBGene00016046	C24B5.4	694.6	889.5	499.7	0.56	-0.83	1.40E-05	0.000479492
WBGene00000835	cuc-1	3000.8	3628.6	2372.9	0.65	-0.61	1.42E-05	0.000484842
WBGene00006824	unc-95	2526.2	2969.4	2083.0	0.70	-0.51	1.43E-05	0.000487986
WBGene00008913	F17C11.1	6461.0	7535.4	5386.6	0.71	-0.48	1.45E-05	0.000491167
WBGene00045239	Y49E10.29	1931.4	2377.6	1485.1	0.62	-0.68	1.45E-05	0.000491469
WBGene00003860	oig-2	1363.6	1614.4	1112.9	0.69	-0.54	1.45E-05	0.000491469
WBGene00015298	C01F1.3	1398.8	1669.1	1128.6	0.68	-0.56	1.47E-05	0.000497354
WBGene00022445	Y110A2AL.9	117.3	195.1	39.5	0.20	-2.30	1.50E-05	0.000505899
WBGene00016918	test-1	10744.0	12436.7	9051.3	0.73	-0.46	1.52E-05	0.000508631
WBGene00020446	T12B3.3	2183.1	2663.6	1702.7	0.64	-0.65	1.53E-05	0.000510822
WBGene00016286	C31H1.1	492.2	638.6	345.8	0.54	-0.88	1.53E-05	0.00051187
WBGene00008214	gem-1	1590.5	1881.3	1299.6	0.69	-0.53	1.58E-05	0.000525008
WBGene00010617	K07A1.13	870.7	1049.5	691.9	0.66	-0.60	1.59E-05	0.000526791
WBGene00001603	gln-2	3860.2	4684.7	3035.6	0.65	-0.63	1.66E-05	0.000550205
WBGene00006428	tkr-3	232.2	302.3	162.1	0.54	-0.90	1.66E-05	0.000550919
WBGene00008192	C49C3.2	137.5	189.0	86.1	0.46	-1.14	1.68E-05	0.000555185
WBGene00003469	msp-142	3742.5	4697.1	2788.0	0.59	-0.75	1.74E-05	0.000572469
WBGene00007653	cysl-1	3841.1	4474.3	3208.0	0.72	-0.48	1.78E-05	0.000584163
WBGene00021070	cpr-8	585.7	704.6	466.7	0.66	-0.59	1.81E-05	0.000591774
WBGene00008487	F01D4.3	199.4	272.8	126.0	0.46	-1.11	1.84E-05	0.000598297
WBGene00011182	R09H10.5	33286.4	39871.5	26701.3	0.67	-0.58	1.89E-05	0.000610586
WBGene00001397	fat-5	3357.5	4840.7	1874.3	0.39	-1.37	1.96E-05	0.000629492
WBGene00000115	alh-9	33689.9	38796.2	28583.7	0.74	-0.44	1.97E-05	0.000629492
WBGene00008564	acox-1.1	7220.2	8362.7	6077.8	0.73	-0.46	1.97E-05	0.000629705
WBGene00008954	F19C6.5	259.9	333.7	186.0	0.56	-0.84	1.99E-05	0.000636631
WBGene00022856	cth-2	39521.3	45551.4	33491.3	0.74	-0.44	2.00E-05	0.000638584
WBGene00012166	nuo-6	13301.9	15367.8	11235.9	0.73	-0.45	2.13E-05	0.000676569
WBGene00022125	Y71F9B.1	1067.2	1285.3	849.1	0.66	-0.60	2.13E-05	0.000676948
WBGene00016274	C30G12.2	9374.1	13905.4	4842.8	0.35	-1.52	2.24E-05	0.000705488
WBGene00015381	C03B1.13	1063.6	1268.8	858.4	0.68	-0.56	2.24E-05	0.000705488
WBGene00018340	anmt-2	3945.0	4593.5	3296.5	0.72	-0.48	2.23E-05	0.000705488
WBGene00015765	C14C11.1	780.8	944.7	616.9	0.65	-0.61	2.25E-05	0.000706176
WBGene00010424	H36L18.2	7429.4	8602.9	6256.0	0.73	-0.46	2.25E-05	0.000706176
WBGene00022535	ZC178.1	29.5	51.4	7.5	0.15	-2.77	2.26E-05	0.000710922
WBGene00010209	fbxa-191	401.4	497.0	305.7	0.61	-0.70	2.37E-05	0.000738819
WBGene00004002	pgp-8	538.9	687.5	390.3	0.57	-0.82	2.38E-05	0.000740997
WBGene00015950	C18A11.4	117.1	158.4	75.8	0.48	-1.06	2.50E-05	0.000773259
WBGene00050943	ZC412.10	677.2	825.3	529.1	0.64	-0.64	2.53E-05	0.000779586
WBGene00010959	nduo-1	40789.8	47286.8	34292.8	0.73	-0.46	2.55E-05	0.000782604

WBGene00077579	R11H6.7	79.2	120.9	37.6	0.31	-1.69	2.56E-05	0.000786996
WBGene00018575	clec-119	861.3	1087.4	635.2	0.58	-0.78	2.65E-05	0.000808232
WBGene00013077	ttr-24	4078.0	4744.3	3411.6	0.72	-0.48	2.65E-05	0.000808232
WBGene00010035	F54C8.1	1151.7	1377.6	925.9	0.67	-0.57	2.68E-05	0.000817211
WBGene00014728	E03A3.1	160.7	229.1	92.4	0.40	-1.31	2.71E-05	0.000824803
WBGene00000298	cat-4	4416.5	5288.6	3544.3	0.67	-0.58	2.71E-05	0.000824803
WBGene00014137	clec-187	1893.0	2219.1	1566.9	0.71	-0.50	2.83E-05	0.000856735
WBGene00007598	C15A11.4	152.2	202.4	102.0	0.50	-0.99	2.98E-05	0.000897117
WBGene00013647	Y105C5B.5	3560.6	4292.7	2828.6	0.66	-0.60	3.05E-05	0.000916568
WBGene00012428	Y11D7A.3	10785.1	12596.3	8974.0	0.71	-0.49	3.05E-05	0.000918267
WBGene00003473	mtl-1	62.0	102.4	21.7	0.21	-2.24	3.09E-05	0.000924141
WBGene00019105	asp-8	726.9	934.8	519.1	0.56	-0.85	3.09E-05	0.000924141
WBGene00016462	C35E7.10	1247.9	1586.0	909.7	0.57	-0.80	3.13E-05	0.000931516
WBGene00017059	msrp-5	941.8	1193.3	690.4	0.58	-0.79	3.20E-05	0.000948709
WBGene00021288	clec-123	2357.1	2859.0	1855.2	0.65	-0.62	3.20E-05	0.000948709
WBGene00008743	F13D12.9	1456.3	1785.6	1127.0	0.63	-0.66	3.25E-05	0.000960779
WBGene00010963	nduo-4	47728.6	58950.3	36506.9	0.62	-0.69	3.29E-05	0.000970381
WBGene00077693	T04C12.11	1483.7	1743.7	1223.6	0.70	-0.51	3.30E-05	0.000970381
WBGene00001393	fat-1	48124.6	55210.1	41039.0	0.74	-0.43	3.29E-05	0.000970381
WBGene00022500	lfi-1	47615.9	54581.4	40650.3	0.74	-0.43	3.33E-05	0.000978935
WBGene00001859	hil-8	323.7	402.9	244.4	0.61	-0.72	3.36E-05	0.000987333
WBGene00020080	math-37	140.1	187.0	93.2	0.50	-1.00	3.41E-05	0.000997081
WBGene00011364	T02B5.3	1178.4	1495.8	861.1	0.58	-0.80	3.44E-05	0.001005094
WBGene00020977	oac-52	117.7	170.3	65.2	0.38	-1.39	3.50E-05	0.001022339
WBGene00010858	M04C9.3	759.6	915.8	603.3	0.66	-0.60	3.56E-05	0.00103809
WBGene00010434	H40L08.3	185.1	245.3	125.0	0.51	-0.97	3.63E-05	0.001052563
WBGene00012926	Y47D3A.13	1226.6	1471.6	981.7	0.67	-0.58	3.63E-05	0.001052563
WBGene00006452	heh-1	7073.3	8162.1	5984.4	0.73	-0.45	3.65E-05	0.001055182
WBGene00018783	cbs-2	594.0	734.5	453.4	0.62	-0.70	3.67E-05	0.001058975
WBGene00016053	C24D10.1	993.0	1226.9	759.2	0.62	-0.69	3.68E-05	0.001060509
WBGene00019680	K12H4.5	7325.8	8460.8	6190.8	0.73	-0.45	3.82E-05	0.001097226
WBGene00005291	srh-70	143.3	203.1	83.5	0.41	-1.28	3.91E-05	0.001120397
WBGene00009294	F31D4.9	4804.6	5567.1	4042.2	0.73	-0.46	3.92E-05	0.001122573
WBGene00013946	ZK228.3	2572.7	3171.7	1973.7	0.62	-0.68	3.94E-05	0.001124082
WBGene00000751	col-178	186494.2	213286.2	159702.3	0.75	-0.42	3.97E-05	0.001130942
WBGene00018784	F54A3.5	5785.0	6673.4	4896.6	0.73	-0.45	4.05E-05	0.00115115
WBGene00008392	D1086.5	316.3	403.1	229.4	0.57	-0.81	4.08E-05	0.001154667
WBGene00012330	zip-3	4960.6	5711.1	4210.2	0.74	-0.44	4.17E-05	0.001177412
WBGene00000172	aqp-4	2170.9	2544.3	1797.5	0.71	-0.50	4.18E-05	0.001178536
WBGene00010851	M04C3.2	398.1	504.0	292.3	0.58	-0.79	4.20E-05	0.001182865
WBGene00006048	ssp-31	1113.0	1343.3	882.7	0.66	-0.61	4.27E-05	0.001197419
WBGene00017945	F31D5.2	1101.9	1301.4	902.4	0.69	-0.53	4.31E-05	0.001206741
WBGene00045275	F18E3.12	400.2	576.4	224.1	0.39	-1.36	4.36E-05	0.001215031
WBGene00045245	ttr-34	2284.8	2690.3	1879.3	0.70	-0.52	4.47E-05	0.001240025
WBGene00013463	kdp-1	34446.7	39486.3	29407.1	0.74	-0.43	4.51E-05	0.00124858
WBGene00008926	F17H10.2	2480.5	2879.0	2082.0	0.72	-0.47	4.52E-05	0.001250462
WBGene00009577	F40F8.4	1237.3	1454.5	1020.1	0.70	-0.51	4.53E-05	0.001252685
WBGene00044062	snb-6	329.6	420.7	238.5	0.57	-0.82	4.56E-05	0.001257044
WBGene00010902	M79.2	1630.8	1916.4	1345.1	0.70	-0.51	4.56E-05	0.001257044
WBGene00017325	F10C1.3	266.1	348.5	183.6	0.53	-0.92	4.87E-05	0.001322656
WBGene00008677	F11A5.9	2535.0	3035.8	2034.2	0.67	-0.58	4.88E-05	0.001322656
WBGene00020117	R155.3	625.1	799.4	450.7	0.56	-0.83	4.89E-05	0.00132385
WBGene00012602	Y38E10A.24	3058.4	3729.7	2387.2	0.64	-0.64	4.94E-05	0.001335595
WBGene00016900	C53C11.2	206.7	267.5	145.9	0.55	-0.87	5.06E-05	0.001364247
WBGene00044712	pals-15	74.6	105.1	44.1	0.42	-1.25	5.07E-05	0.001365827
WBGene00003124	mai-1	1098.4	1371.9	825.0	0.60	-0.73	5.12E-05	0.001377018
WBGene00011491	T05F1.5	2020.2	2546.4	1494.0	0.59	-0.77	5.14E-05	0.00137922
WBGene00023399	ZC239.1	72.5	105.3	39.8	0.38	-1.40	5.16E-05	0.001383168
WBGene00022337	pals-16	227.6	291.3	163.9	0.56	-0.83	5.19E-05	0.001389092
WBGene00015421	C04E6.4	102.4	146.8	58.0	0.40	-1.34	5.28E-05	0.001402842
WBGene00013158	Y53F4B.11	539.9	707.9	371.8	0.53	-0.93	5.28E-05	0.001402842
WBGene00008708	F11E6.4	160.8	214.9	106.6	0.50	-1.01	5.29E-05	0.001404864
WBGene00013875	ZC376.3	1225.6	1488.5	962.8	0.65	-0.63	5.33E-05	0.001415015
WBGene00013495	clec-236	203.1	275.4	130.8	0.47	-1.07	5.38E-05	0.001425065
WBGene00009430	F35E12.6	8763.3	10049.9	7476.7	0.74	-0.43	5.38E-05	0.001425065

WBGene00011226	slc-25A21	1105.9	1337.4	874.4	0.65	-0.61	5.39E-05	0.001425837
WBGene00003442	msp-49	5637.6	6931.0	4344.1	0.63	-0.67	5.41E-05	0.001429563
WBGene00003844	odc-1	4362.2	5394.9	3329.4	0.62	-0.70	5.46E-05	0.001438157
WBGene00007248	catp-4	6255.5	7735.9	4775.1	0.62	-0.70	5.45E-05	0.001438157
WBGene00015465	C05C8.8	75.0	129.2	20.8	0.16	-2.64	5.50E-05	0.001442542
WBGene00022194	Y71H2B.4	2056.6	2651.6	1461.7	0.55	-0.86	5.54E-05	0.001452222
WBGene00010658	K08D8.4	1181.6	1496.5	866.8	0.58	-0.79	5.66E-05	0.001480041
WBGene00022771	ZK616.1	133.3	176.9	89.7	0.51	-0.98	5.77E-05	0.001504111
WBGene00014244	ZK1307.1	4663.6	5665.3	3661.9	0.65	-0.63	5.76E-05	0.001504111
WBGene00016534	C39D10.7	77453.5	88258.5	66648.5	0.76	-0.41	5.82E-05	0.001514979
WBGene00010031	F54B11.8	53.6	80.9	26.3	0.32	-1.62	5.85E-05	0.001521063
WBGene00008415	mce-1	3265.6	3784.7	2746.5	0.73	-0.46	5.86E-05	0.001522384
WBGene00077673	B0563.10	20.1	36.5	3.8	0.10	-3.27	5.88E-05	0.001524754
WBGene00004958	spe-4	967.0	1184.7	749.4	0.63	-0.66	5.92E-05	0.001532784
WBGene00016742	C48B6.4	1085.0	1291.0	879.1	0.68	-0.55	5.92E-05	0.001532784
WBGene00020756	T24A6.20	1444.1	1689.2	1199.0	0.71	-0.49	6.00E-05	0.001550888
WBGene00020414	T10E9.4	8386.4	10075.2	6697.7	0.66	-0.59	6.04E-05	0.00155969
WBGene00017726	F22H10.2	304.4	385.8	223.0	0.58	-0.79	6.09E-05	0.001569439
WBGene00018459	F45D11.14	170.2	298.9	41.6	0.14	-2.85	6.12E-05	0.001575039
WBGene00020146	got-1.2	8473.2	9715.4	7231.0	0.74	-0.43	6.18E-05	0.001588417
WBGene00017659	F21C10.10	1392.5	1752.7	1032.2	0.59	-0.76	6.24E-05	0.001601787
WBGene00009846	F48F5.2	773.2	994.8	551.6	0.55	-0.85	6.34E-05	0.001622695
WBGene00020611	T20D4.5	420.7	614.2	227.2	0.37	-1.43	6.46E-05	0.001650425
WBGene00016838	C50F2.4	1731.0	2026.7	1435.2	0.71	-0.50	6.57E-05	0.001675132
WBGene00011803	T16G12.1	15455.9	17811.1	13100.6	0.74	-0.44	6.68E-05	0.001697767
WBGene00194849	K09A9.8	101.3	139.4	63.3	0.45	-1.14	6.69E-05	0.001698451
WBGene00008001	C38C10.3	365.9	479.2	252.6	0.53	-0.92	6.76E-05	0.001712713
WBGene00219374	C25A11.10	871.1	1032.5	709.6	0.69	-0.54	6.83E-05	0.001723915
WBGene00018951	F56C9.7	12073.1	13902.3	10243.8	0.74	-0.44	6.88E-05	0.001734158
WBGene00003457	msp-64	7195.8	8994.1	5397.4	0.60	-0.74	6.93E-05	0.001743318
WBGene00004497	rps-28	26354.6	32069.1	20640.0	0.64	-0.64	7.02E-05	0.001763819
WBGene00009592	F40F12.3	958.1	1249.1	667.2	0.53	-0.90	7.08E-05	0.001773507
WBGene00000215	asp-2	71281.4	81275.3	61287.6	0.75	-0.41	7.09E-05	0.001773507
WBGene00006625	try-7	397.4	498.7	296.2	0.59	-0.75	7.14E-05	0.00178304
WBGene00017443	F13H8.11	529.2	641.6	416.9	0.65	-0.62	7.14E-05	0.00178304
WBGene00013931	clec-97	764.3	909.8	618.9	0.68	-0.56	7.20E-05	0.001795756
WBGene00019575	K09E3.4	42.8	66.6	19.0	0.29	-1.81	7.21E-05	0.001795817
WBGene00021358	Y37E11AL.2	648.9	790.1	507.8	0.64	-0.64	7.24E-05	0.001799695
WBGene00007249	C01G12.9	304.3	387.8	220.8	0.57	-0.81	7.28E-05	0.00180673
WBGene00018353	fbxa-182	772.6	1012.8	532.3	0.53	-0.93	7.39E-05	0.001827027
WBGene00021621	Y47D7A.9	11.0	21.7	0.3	0.01	-6.44	7.48E-05	0.001846294
WBGene00017485	F15E6.4	570.0	842.3	297.7	0.35	-1.50	7.54E-05	0.001854434
WBGene00220076	T21B4.21	57.1	88.2	25.9	0.29	-1.77	7.64E-05	0.001874436
WBGene00020841	T27A3.5	1139.4	1493.1	785.7	0.53	-0.93	7.63E-05	0.001874436
WBGene00015084	B0244.9	366.6	458.6	274.6	0.60	-0.74	7.65E-05	0.001874542
WBGene00006728	ubq-2	106971.0	122746.3	91195.7	0.74	-0.43	7.67E-05	0.001876913
WBGene00020181	T02H6.11	21384.9	24431.3	18338.5	0.75	-0.41	7.72E-05	0.001888505
WBGene00008040	ttr-5	1476.3	1730.3	1222.3	0.71	-0.50	7.74E-05	0.001889764
WBGene00011619	T08G3.7	345.9	484.6	207.3	0.43	-1.22	7.79E-05	0.001897968
WBGene00013690	hprt-1	11327.0	12991.7	9662.2	0.74	-0.43	7.79E-05	0.001897968
WBGene00007480	glna-1	1800.0	2110.1	1489.8	0.71	-0.50	7.88E-05	0.00191578
WBGene00045484	F34D10.9	865.9	1056.1	675.8	0.64	-0.64	7.94E-05	0.001928969
WBGene00015010	ptps-1	472.3	572.3	372.2	0.65	-0.62	7.94E-05	0.001928969
WBGene00017902	F28E10.4	355.6	450.8	260.4	0.58	-0.79	7.99E-05	0.00193828
WBGene00012087	T27E7.1	3523.7	4297.8	2749.7	0.64	-0.64	8.02E-05	0.001940437
WBGene00235106	F08H9.15	284.7	378.7	190.8	0.50	-0.99	8.03E-05	0.001941094
WBGene00003409	mrp-3	4388.9	5043.0	3734.7	0.74	-0.43	8.16E-05	0.001966776
WBGene00013904	ugt-6	1025.4	1216.1	834.6	0.69	-0.54	8.18E-05	0.001970238
WBGene00013762	Y113G7B.12	1576.5	1839.3	1313.7	0.71	-0.49	8.22E-05	0.001971772
WBGene00018877	aman-1	5132.3	5891.9	4372.7	0.74	-0.43	8.22E-05	0.001971772
WBGene00010719	K09E4.1	2130.2	2523.3	1737.1	0.69	-0.54	8.27E-05	0.001982343
WBGene00010072	F54F12.1	713.9	935.2	492.6	0.53	-0.92	8.30E-05	0.001986886
WBGene00008499	cyp-37A1	1599.6	1866.2	1333.1	0.71	-0.49	8.43E-05	0.002010524
WBGene00007274	C03C11.1	862.6	1065.5	659.8	0.62	-0.69	8.53E-05	0.002033349
WBGene00077764	F59C6.16	611.8	933.3	290.3	0.31	-1.69	8.56E-05	0.002037778

WBGene00019335	K02F6.1	149.6	207.9	91.3	0.44	-1.19	8.58E-05	0.002037778
WBGene00010134	F55H12.3	4143.2	4767.1	3519.3	0.74	-0.44	8.58E-05	0.002037778
WBGene00009178	uggt-2	487.2	637.0	337.5	0.53	-0.92	8.64E-05	0.002040743
WBGene00021190	Y14H12A.1	578.5	697.8	459.1	0.66	-0.60	8.63E-05	0.002040743
WBGene00019229	ipla-5	192.9	254.6	131.2	0.52	-0.96	8.66E-05	0.002042553
WBGene00004454	rpl-36.A	90402.4	105900.9	74903.9	0.71	-0.50	8.70E-05	0.00204991
WBGene00013473	Y69E1A.1	6318.2	7607.4	5028.9	0.66	-0.60	8.79E-05	0.002065447
WBGene00013684	Y105E8A.27	935.2	1147.7	722.7	0.63	-0.67	8.92E-05	0.002091964
WBGene00010793	LLC1.2	10467.6	11988.4	8946.8	0.75	-0.42	8.92E-05	0.002091964
WBGene00015907	C17F3.1	1606.0	2048.9	1163.0	0.57	-0.82	9.00E-05	0.00210847
WBGene00003061	lpd-5	10017.7	11462.0	8573.4	0.75	-0.42	9.11E-05	0.002126804
WBGene00001692	grd-3	13336.6	15210.5	11462.6	0.75	-0.41	9.23E-05	0.002149421
WBGene00016512	C38C3.3	1466.7	1760.0	1173.5	0.67	-0.58	9.33E-05	0.002170637
WBGene00019547	K09C4.1	531.6	719.3	344.0	0.48	-1.06	9.36E-05	0.002176386
WBGene00015094	B0261.6	2020.5	2446.3	1594.7	0.65	-0.62	9.38E-05	0.002179646
WBGene00000788	cpz-1	24184.8	27650.4	20719.3	0.75	-0.42	9.47E-05	0.002196293
WBGene00000005	aat-4	1638.0	1908.1	1367.9	0.72	-0.48	9.49E-05	0.002196918
WBGene00022849	acs-6	1572.6	1845.1	1300.0	0.70	-0.51	9.53E-05	0.002204414
WBGene00008395	D1086.8	803.1	953.2	652.9	0.68	-0.55	9.68E-05	0.002233851
WBGene00022276	nlp-40	9058.2	10878.4	7238.1	0.67	-0.59	9.74E-05	0.002241464
WBGene00003876	pept-2	4677.8	5365.3	3990.2	0.74	-0.43	9.84E-05	0.00225896
WBGene00000210	asg-2	12056.4	14203.9	9908.9	0.70	-0.52	0.00010006	0.002289385
WBGene00019837	R02F2.8	1345.1	1564.8	1125.3	0.72	-0.48	0.000102129	0.002334543
WBGene00045508	D1081.10	75.4	112.6	38.3	0.34	-1.55	0.000103377	0.002358701
WBGene00015096	B0261.8	929.8	1096.3	763.3	0.70	-0.52	0.00010422	0.002375733
WBGene00012376	nduf-7	15865.4	18084.5	13646.3	0.75	-0.41	0.000105136	0.002389971
WBGene00018885	drd-5	1497.3	1757.3	1237.2	0.70	-0.51	0.000105747	0.002401647
WBGene00018271	F41C3.5	59263.5	67449.2	51077.8	0.76	-0.40	0.000106616	0.002419163
WBGene00015629	C09B9.4	1042.4	1268.6	816.2	0.64	-0.64	0.000106819	0.00242153
WBGene00016707	C46E10.1	1097.6	1329.1	866.2	0.65	-0.62	0.000107134	0.00242441
WBGene00017550	nep-6	577.4	703.7	451.1	0.64	-0.64	0.000107856	0.002433834
WBGene00019001	ipgm-1	27122.8	30910.0	23335.5	0.75	-0.41	0.00010785	0.002433834
WBGene00020445	T12B3.2	2767.4	3198.2	2336.6	0.73	-0.45	0.000108513	0.002446418
WBGene00001758	gst-10	4802.6	5705.0	3900.2	0.68	-0.55	0.000109858	0.002469945
WBGene00008498	F01D5.8	1136.1	1344.6	927.6	0.69	-0.54	0.000110404	0.002477698
WBGene00007885	ugt-21	516.7	623.8	409.7	0.66	-0.61	0.000111443	0.002497477
WBGene00044605	ttr-36	1768.0	2116.2	1419.8	0.67	-0.58	0.000111488	0.002497477
WBGene00022549	ZC196.5	578.7	693.9	463.6	0.67	-0.58	0.000112047	0.002505434
WBGene00010505	K02D3.2	72.6	106.5	38.6	0.36	-1.47	0.00011315	0.002527797
WBGene00000133	amt-1	1388.1	2289.4	486.9	0.21	-2.23	0.000113353	0.002530035
WBGene00021839	nduf-5	7650.8	8748.4	6553.3	0.75	-0.42	0.000113689	0.002535247
WBGene00017555	nep-10	260.5	331.6	189.5	0.57	-0.81	0.000114159	0.002543421
WBGene00015860	C16D9.5	154.9	208.2	101.7	0.49	-1.03	0.000114653	0.002547507
WBGene00013826	Y116F11B.10	721.0	896.9	545.0	0.61	-0.72	0.000114507	0.002547507
WBGene00020070	rmd-6	805.9	967.3	644.4	0.67	-0.59	0.000114556	0.002547507
WBGene00007257	C01H6.8	656.7	798.6	514.8	0.64	-0.63	0.000115655	0.002563751
WBGene00001508	fut-8	2101.8	2435.4	1768.1	0.73	-0.46	0.000116533	0.002577653
WBGene00022751	msrp-2	6317.8	7639.7	4995.9	0.65	-0.61	0.00011676	0.002580345
WBGene00006863	gyg-1	10840.6	12376.6	9304.7	0.75	-0.41	0.000116989	0.002583094
WBGene00015623	C09B8.4	511.0	690.8	331.1	0.48	-1.06	0.000117651	0.002590751
WBGene00021871	dml-1	346.3	435.5	257.0	0.59	-0.76	0.000117639	0.002590751
WBGene00013874	ZC376.2	3462.1	3969.1	2955.2	0.74	-0.43	0.000118164	0.002595863
WBGene00000608	col-19	197270.6	224012.7	170528.6	0.76	-0.39	0.0001182	0.002595863
WBGene00018804	F54D10.3	298.8	373.4	224.1	0.60	-0.74	0.000119908	0.002631026
WBGene00005002	spp-17	21708.2	25822.4	17594.0	0.68	-0.55	0.000120339	0.002633972
WBGene00007848	cytb-5.1	6770.9	7751.0	5790.9	0.75	-0.42	0.000120968	0.002644861
WBGene00012754	Y41C4A.7	203.8	266.6	141.0	0.53	-0.92	0.000124572	0.002716417
WBGene00000221	atf-5	8630.5	9849.9	7411.1	0.75	-0.41	0.000124937	0.002721966
WBGene00002173	itr-1	19645.3	22386.2	16904.4	0.76	-0.41	0.000125372	0.002729026
WBGene00000698	col-124	432095.1	490316.9	373873.4	0.76	-0.39	0.000126375	0.002743586
WBGene00017554	nep-9	301.3	390.0	212.7	0.55	-0.87	0.000126923	0.002753049
WBGene00008566	acox-1.3	1952.1	2290.9	1613.3	0.70	-0.51	0.000129473	0.002798512
WBGene00009016	F21D9.2	613.4	763.2	463.6	0.61	-0.72	0.000130375	0.002815532
WBGene00008139	C47D12.5	1389.6	1620.3	1158.8	0.72	-0.48	0.00013107	0.002827556
WBGene00077761	zip-9	3737.7	4341.4	3134.1	0.72	-0.47	0.000131185	0.002827556

WBGene00013435	Y66D12A.9	8195.7	9355.3	7036.1	0.75	-0.41	0.000131277	0.002827556
WBGene00021448	Y39D8A.1	1466.8	1764.6	1169.0	0.66	-0.59	0.000132648	0.002847126
WBGene00011777	T14G10.8	1404.6	1638.5	1170.8	0.71	-0.48	0.000132573	0.002847126
WBGene00009898	dod-23	5972.1	7778.9	4165.4	0.54	-0.90	0.000133201	0.002856513
WBGene00000118	alh-12	13962.9	15884.5	12041.3	0.76	-0.40	0.000133599	0.002860063
WBGene00007254	C01H6.4	1073.9	1262.6	885.2	0.70	-0.51	0.000135084	0.002881824
WBGene00010966	nduo-3	560.5	778.6	342.4	0.44	-1.19	0.000135765	0.002893853
WBGene00012545	Y37D8A.3	2153.6	2569.3	1738.0	0.68	-0.56	0.000136804	0.002908443
WBGene00011269	R17.3	1604.3	1862.7	1345.9	0.72	-0.47	0.000136763	0.002908443
WBGene00000534	cpi-2	7664.7	8754.3	6575.1	0.75	-0.41	0.000136722	0.002908443
WBGene00007791	C28A5.6	2572.9	2999.8	2146.1	0.72	-0.48	0.00013941	0.002956179
WBGene00013181	Y53H1B.2	3880.6	4439.7	3321.5	0.75	-0.42	0.000139979	0.002965708
WBGene00008730	F13B12.2	533.2	642.8	423.7	0.66	-0.60	0.000140581	0.0029759
WBGene00017765	gcst-1	16593.5	18901.9	14285.1	0.76	-0.40	0.000141706	0.00298943
WBGene00013886	ZC412.5	211.4	276.0	146.9	0.53	-0.91	0.000142071	0.002990872
WBGene00022801	pcp-5	4500.2	5159.3	3841.1	0.74	-0.43	0.000141966	0.002990872
WBGene00016631	C44B7.11	5637.6	6434.3	4840.9	0.75	-0.41	0.000142139	0.002990872
WBGene00018537	F47B7.6	33.3	54.8	11.9	0.22	-2.21	0.000142342	0.00299258
WBGene00044005	F37C12.18	639.4	768.8	509.9	0.66	-0.59	0.000143673	0.003015426
WBGene00003434	msp-38	4695.7	5816.4	3575.0	0.61	-0.70	0.000143876	0.003017097
WBGene00019406	acdh-8	3702.0	4525.0	2879.0	0.64	-0.65	0.000145832	0.003052924
WBGene00004976	spe-41	1998.8	2332.9	1664.7	0.71	-0.49	0.000146941	0.003073516
WBGene00009416	F35E2.9	1294.7	1590.3	999.1	0.63	-0.67	0.000147207	0.003076478
WBGene00001581	gfi-1	47043.3	55876.3	38210.4	0.68	-0.55	0.000147875	0.003087824
WBGene00000169	aqp-1	5218.8	6083.1	4354.4	0.72	-0.48	0.000149114	0.003111039
WBGene00010065	F54F7.3	3003.4	3477.9	2529.0	0.73	-0.46	0.000150636	0.003137492
WBGene00019086	F59A6.4	1130.1	1400.0	860.3	0.61	-0.70	0.000151478	0.003152364
WBGene00009412	F35E2.5	242.2	313.4	171.0	0.55	-0.87	0.000151819	0.003156787
WBGene00008657	clec-154	140.8	190.6	91.0	0.48	-1.07	0.000154074	0.003200978
WBGene00001392	far-8	6009.2	6856.5	5161.9	0.75	-0.41	0.000154769	0.003209992
WBGene00021007	W03F11.4	3919.5	4986.7	2852.2	0.57	-0.81	0.000157668	0.003261922
WBGene00001487	frk-1	772.6	922.5	622.8	0.68	-0.57	0.00015767	0.003261922
WBGene00016551	C40A11.8	91.2	125.9	56.4	0.45	-1.16	0.000158473	0.00327079
WBGene00194912	ZK856.18	648.3	828.0	468.6	0.57	-0.82	0.000158498	0.00327079
WBGene00019580	oac-58	252.6	320.6	184.5	0.58	-0.80	0.000158323	0.00327079
WBGene00010225	ttr-31	2394.2	2754.0	2034.3	0.74	-0.44	0.000159787	0.00329187
WBGene00000722	col-149	23501.4	30294.9	16708.0	0.55	-0.86	0.000162017	0.003326689
WBGene00006979	zig-2	326.0	398.0	254.1	0.64	-0.65	0.000162305	0.003329826
WBGene00019963	R08E5.3	2697.7	3586.6	1808.8	0.50	-0.99	0.000165328	0.003377766
WBGene00020143	T01C8.2	1393.9	1614.8	1173.1	0.73	-0.46	0.00016639	0.003396636
WBGene00016058	nspd-3	1285.2	1684.2	886.2	0.53	-0.93	0.000168679	0.003440523
WBGene00015101	rpia-1	9143.7	10404.3	7883.2	0.76	-0.40	0.000169485	0.003454089
WBGene00019097	F59B1.2	8651.8	9847.3	7456.3	0.76	-0.40	0.000170245	0.003463843
WBGene00015991	C18H2.4	192.1	251.6	132.7	0.53	-0.92	0.000172499	0.003501041
WBGene00003438	msp-45	6515.5	7912.1	5118.9	0.65	-0.63	0.00017246	0.003501041
WBGene00015855	C16C8.18	851.9	1036.0	667.8	0.64	-0.63	0.000175856	0.003557444
WBGene00019007	ucr-11	5875.2	7155.3	4595.1	0.64	-0.64	0.000176329	0.003564075
WBGene00022102	Y69F12A.1	275.9	352.3	199.6	0.57	-0.82	0.000178468	0.003601391
WBGene00044270	F35E2.10	131.8	183.4	80.1	0.44	-1.20	0.000179221	0.003607724
WBGene00008560	pho-13	3903.1	4473.3	3332.9	0.75	-0.42	0.000179452	0.003609413
WBGene00022032	Y65B4A.9	703.8	842.2	565.3	0.67	-0.58	0.000179816	0.003613793
WBGene00021161	Y4C6B.7	1327.8	1551.4	1104.1	0.71	-0.49	0.000180993	0.003628551
WBGene00000638	col-62	6657.6	9295.7	4019.4	0.43	-1.21	0.00018352	0.003673231
WBGene00007963	cyp-25A1	758.4	1171.6	345.2	0.29	-1.76	0.000186109	0.003715986
WBGene00005726	srv-15	139.8	183.7	96.0	0.52	-0.94	0.000187152	0.003733794
WBGene00022515	ttr-48	4906.2	5771.6	4040.8	0.70	-0.51	0.000187704	0.003741773
WBGene00014157	ZK930.7	222.8	287.0	158.6	0.55	-0.86	0.000188796	0.003760501
WBGene00013872	ZC374.2	496.5	597.8	395.3	0.66	-0.60	0.000189426	0.003766938
WBGene00050920	Y54H5A.5	89.4	124.2	54.6	0.44	-1.19	0.0001911	0.00379717
WBGene00018543	ugt-32	284.0	385.6	182.3	0.47	-1.08	0.000191907	0.003808416
WBGene00020084	R105.1	1750.1	2187.2	1312.9	0.60	-0.74	0.000191975	0.003808416
WBGene00044156	Y66C5A.1	224.5	284.1	164.9	0.58	-0.78	0.000193261	0.00383083
WBGene00010876	M05D6.3	260.7	333.3	188.1	0.56	-0.82	0.00019343	0.00383109
WBGene00016382	C33H5.16	374.6	466.3	282.9	0.61	-0.72	0.000194303	0.003842204
WBGene00015665	C10A4.4	334.0	405.5	262.6	0.65	-0.63	0.000195173	0.003856302

WBGene00008529	F02E9.3	1188.4	1412.9	964.0	0.68	-0.55	0.000195794	0.003865473
WBGene00011833	T19B10.5	1295.7	1504.6	1086.8	0.72	-0.47	0.000196157	0.00386954
WBGene00016010	C23G10.1	358.0	446.0	270.0	0.61	-0.72	0.000199891	0.003936884
WBGene00013633	Y105C5A.8	2368.6	2725.6	2011.6	0.74	-0.44	0.000201522	0.003965847
WBGene00004493	rps-24	94585.2	107330.8	81839.5	0.76	-0.39	0.000203721	0.004002711
WBGene00020245	T05B11.1	964.1	1126.8	801.5	0.71	-0.49	0.00020647	0.004043815
WBGene00012486	Y18D10A.21	303.2	384.9	221.5	0.58	-0.80	0.00020771	0.004064867
WBGene00008548	F07A11.5	3186.2	3687.6	2684.8	0.73	-0.46	0.000207905	0.004065465
WBGene00195178	ZC581.10	226.5	292.2	160.7	0.55	-0.86	0.000209174	0.004083778
WBGene00008375	D1054.8	2538.8	2910.6	2167.0	0.74	-0.43	0.000209684	0.004090491
WBGene00006897	ver-4	639.9	827.9	451.9	0.55	-0.87	0.00021268	0.00413424
WBGene00015751	C14A11.6	333.6	408.7	258.6	0.63	-0.66	0.000212766	0.00413424
WBGene00007354	C06A1.3	1475.7	1787.2	1164.1	0.65	-0.62	0.000212596	0.00413424
WBGene00021236	pud-1.2	6891.0	10572.5	3209.5	0.30	-1.72	0.000214249	0.004151163
WBGene00012169	W01B6.2	1836.9	2163.2	1510.5	0.70	-0.52	0.000214486	0.004151273
WBGene00011232	pck-2	110689.0	124939.4	96438.7	0.77	-0.37	0.000216933	0.004192051
WBGene00007536	daf-36	2497.4	2872.6	2122.2	0.74	-0.44	0.000219242	0.004230028
WBGene00007306	C04G2.5	413.1	507.8	318.4	0.63	-0.67	0.00021999	0.004237257
WBGene00020377	T09B4.3	333.2	414.4	252.1	0.61	-0.72	0.000221209	0.004248016
WBGene00022279	sesn-1	4949.3	5642.4	4256.2	0.75	-0.41	0.000221128	0.004248016
WBGene00010373	H08M01.1	761.3	911.6	611.0	0.67	-0.58	0.000224963	0.004313375
WBGene00044744	F10G7.12	106.7	149.0	64.4	0.43	-1.21	0.000226038	0.004323868
WBGene00019589	K09F6.6	1417.9	1645.9	1189.8	0.72	-0.47	0.000225934	0.004323868
WBGene00002258	lbp-6	26411.1	29956.3	22866.0	0.76	-0.39	0.000229335	0.004373161
WBGene00044481	ZK185.5	929.4	1142.5	716.2	0.63	-0.67	0.000230875	0.004386247
WBGene00014207	ZK1058.9	10882.1	12312.1	9452.2	0.77	-0.38	0.000231466	0.004393576
WBGene00010155	F56F3.4	1223.7	1511.7	935.6	0.62	-0.69	0.000234791	0.004446391
WBGene00015954	C18B2.3	4214.5	4806.1	3623.0	0.75	-0.41	0.000234671	0.004446391
WBGene00009708	F44G3.7	1139.6	1387.7	891.5	0.64	-0.64	0.000237243	0.004485935
WBGene00009101	F25B3.4	479.0	578.5	379.5	0.66	-0.61	0.000238791	0.004508274
WBGene00009880	F49C12.11	9954.8	11750.3	8159.3	0.69	-0.53	0.000239162	0.004511821
WBGene00023419	F53F4.16	1594.4	1838.0	1350.8	0.73	-0.44	0.000240162	0.004527224
WBGene00022261	clec-210	58.0	86.5	29.5	0.34	-1.55	0.000243065	0.004571436
WBGene00009531	F38B2.4	4000.5	4561.9	3439.1	0.75	-0.41	0.000253297	0.004749358
WBGene00012045	T26E4.3	6.6	13.0	0.3	0.02	-5.64	0.000258795	0.004827062
WBGene00001500	ftn-1	117.9	161.2	74.5	0.46	-1.11	0.000258808	0.004827062
WBGene00014197	ZK1053.2	1733.0	2113.2	1352.8	0.64	-0.64	0.000258641	0.004827062
WBGene00219646	linc-89	82.4	113.6	51.1	0.45	-1.15	0.000259783	0.00484148
WBGene00010238	F58B4.5	4024.9	4851.5	3198.3	0.66	-0.60	0.000265674	0.004932604
WBGene00022380	Y94H6A.8	9532.3	10815.8	8248.7	0.76	-0.39	0.000267452	0.004961878
WBGene00044207	Y6G8.5	49.3	75.1	23.4	0.31	-1.68	0.000269022	0.004987239
WBGene00007503	C09H10.9	337.4	417.2	257.5	0.62	-0.70	0.000270945	0.005019101
WBGene00019270	H41C03.3	1229.2	1430.0	1028.4	0.72	-0.48	0.000273215	0.005053552
WBGene00019477	K07C11.4	1252.2	1456.6	1047.7	0.72	-0.48	0.000273022	0.005053552
WBGene00012866	afmd-2	492.4	590.3	394.4	0.67	-0.58	0.000276769	0.005111604
WBGene00015929	C17H12.3	2038.0	2562.0	1514.1	0.59	-0.76	0.00027706	0.005113144
WBGene00011823	T18D3.6	898.1	1047.6	748.6	0.71	-0.48	0.000277792	0.00512281
WBGene00014229	ZK1128.3	696.8	840.6	553.1	0.66	-0.60	0.000278617	0.005130626
WBGene00021197	Y17G9A.4	152.5	207.8	97.2	0.47	-1.10	0.000280499	0.00515343
WBGene00013474	Y69E1A.2	9175.2	10986.5	7363.9	0.67	-0.58	0.000282432	0.005185081
WBGene00009835	F47H4.2	376.0	458.4	293.6	0.64	-0.64	0.000287127	0.00526734
WBGene00195189	ZC449.8	367.5	445.9	289.1	0.65	-0.63	0.000288846	0.005288343
WBGene00020531	T15B12.2	667.6	806.1	529.0	0.66	-0.61	0.000288916	0.005288343
WBGene00020627	T20F5.5	840.8	1008.4	673.2	0.67	-0.58	0.000288748	0.005288343
WBGene00000693	col-119	234447.1	264309.5	204584.6	0.77	-0.37	0.000289606	0.005297037
WBGene00016447	msd-4	7747.8	9431.2	6064.5	0.64	-0.64	0.000290057	0.005298978
WBGene00004485	rps-16	100546.2	113792.3	87300.0	0.77	-0.38	0.000290143	0.005298978
WBGene00015051	B0218.7	2532.1	3058.8	2005.3	0.66	-0.61	0.000293074	0.005348538
WBGene00020042	R13A1.3	320.5	409.3	231.7	0.57	-0.82	0.000295911	0.00538436
WBGene00010082	F55A11.11	999.6	1186.6	812.6	0.68	-0.55	0.00029691	0.00539456
WBGene00012633	Y38H6C.21	45.3	65.4	25.3	0.39	-1.37	0.000302619	0.005485963
WBGene00017194	F07C3.3	92.7	131.5	53.9	0.41	-1.29	0.000305383	0.005507853
WBGene00013863	ZC302.3	204.6	259.0	150.3	0.58	-0.78	0.00030528	0.005507853
WBGene00012747	Y40H7A.10	6810.4	7714.7	5906.0	0.77	-0.39	0.000305221	0.005507853
WBGene00017247	F08D12.3	599.9	708.2	491.5	0.69	-0.53	0.000306424	0.005521446

WBGene00001633	gly-8	3769.6	4308.8	3230.3	0.75	-0.42	0.000306585	0.005521446
WBGene00003530	nas-11	8637.5	9804.5	7470.5	0.76	-0.39	0.000308803	0.005557333
WBGene00020359	math-40	485.3	586.2	384.4	0.66	-0.61	0.00030965	0.005568495
WBGene00007415	C07E3.4	228.9	293.9	163.9	0.56	-0.84	0.000310023	0.005571137
WBGene00022498	hsd-2	73.0	102.3	43.8	0.43	-1.23	0.000312094	0.00560018
WBGene00077569	F53F4.18	196.0	255.0	137.0	0.54	-0.90	0.000316588	0.005664294
WBGene00012781	nspd-7	1967.9	2522.5	1413.3	0.56	-0.84	0.000318288	0.005684317
WBGene00009115	F25F2.1	1206.4	1432.9	980.0	0.68	-0.55	0.000319783	0.005700754
WBGene00017123	maoc-1	5172.4	5876.4	4468.4	0.76	-0.40	0.000320425	0.005708063
WBGene00010507	K02E2.6	1097.3	1280.0	914.7	0.71	-0.48	0.000321537	0.005719598
WBGene00009185	F27C8.5	1629.7	2013.2	1246.2	0.62	-0.69	0.000322546	0.005724682
WBGene00017982	hpo-18	10758.0	12800.2	8715.8	0.68	-0.55	0.0003228	0.005724682
WBGene00219297	T23F11.11	11.8	20.6	3.0	0.15	-2.78	0.000324289	0.005739518
WBGene00021160	gba-4	8378.4	10436.2	6320.7	0.61	-0.72	0.000324164	0.005739518
WBGene00015917	C17G10.3	681.8	811.8	551.7	0.68	-0.56	0.000325737	0.005758456
WBGene00014174	ZK970.8	236.0	302.1	169.9	0.56	-0.83	0.000329402	0.005809136
WBGene00020610	T20D4.4	139.0	209.4	68.6	0.33	-1.61	0.000334878	0.005878835
WBGene00021787	Y51H7C.9	909.7	1070.1	749.4	0.70	-0.51	0.000335907	0.005890093
WBGene00018336	F42A9.7	1129.6	1379.8	879.5	0.64	-0.65	0.000338949	0.005926545
WBGene00018939	fbxa-190	374.1	451.9	296.3	0.66	-0.61	0.000341503	0.005958512
WBGene00017051	afmd-1	520.2	617.1	423.2	0.69	-0.54	0.000341794	0.005959364
WBGene00018004	F33D11.7	686.7	846.2	527.1	0.62	-0.68	0.000342922	0.005974802
WBGene00018232	F40E3.5	485.3	587.4	383.2	0.65	-0.62	0.000344493	0.00598946
WBGene00015179	B0416.3	315.9	387.0	244.8	0.63	-0.66	0.000345986	0.006006937
WBGene00000181	ard-1	17337.6	19584.1	15091.2	0.77	-0.38	0.000346302	0.006008174
WBGene00022562	ZC204.12	2231.3	2704.0	1758.5	0.65	-0.62	0.000347051	0.006012699
WBGene00004825	skr-19	1967.8	2254.1	1681.5	0.75	-0.42	0.000348136	0.006023023
WBGene00020533	T16A1.2	251.5	319.2	183.7	0.58	-0.80	0.000348619	0.006027149
WBGene00021579	clec-73	3142.4	3831.3	2453.4	0.64	-0.64	0.00035052	0.006052728
WBGene00006509	tag-164	1060.3	1286.2	834.4	0.65	-0.62	0.000350836	0.006052728
WBGene00020990	W03D8.9	6656.7	8087.3	5226.2	0.65	-0.63	0.000351231	0.006054175
WBGene00008074	nkb-2	1520.2	1836.5	1203.9	0.66	-0.61	0.000351412	0.006054175
WBGene00022634	ZC581.7	620.0	745.2	494.7	0.66	-0.59	0.000356286	0.006116743
WBGene00011260	cnnm-5	226.8	291.9	161.7	0.55	-0.85	0.000357196	0.00612457
WBGene00011919	T22C1.9	547.2	655.5	438.8	0.67	-0.58	0.00035724	0.00612457
WBGene00008772	irld-4	235.3	297.8	172.8	0.58	-0.79	0.000357828	0.006130394
WBGene00003214	mel-32	73176.8	82557.0	63796.6	0.77	-0.37	0.000358999	0.006146178
WBGene00020393	T10B5.7	5699.2	6461.4	4937.1	0.76	-0.39	0.000361297	0.006176926
WBGene00020453	fbxa-55	594.3	703.8	484.8	0.69	-0.54	0.000372254	0.006330256
WBGene00014001	pyk-2	7271.1	8297.4	6244.8	0.75	-0.41	0.000371855	0.006330256
WBGene00008414	D2030.4	7365.3	8487.6	6242.9	0.74	-0.44	0.000373592	0.006332527
WBGene00009051	nduf-6	7094.2	8048.5	6140.0	0.76	-0.39	0.000372848	0.006332527
WBGene00016644	abhd-3.2	7208.9	8168.5	6249.3	0.77	-0.39	0.000373742	0.006332527
WBGene00010834	mct-3	13587.5	15373.5	11801.5	0.77	-0.38	0.000374588	0.006342498
WBGene00020015	nhr-210	455.1	563.2	347.0	0.62	-0.70	0.000376346	0.006363503
WBGene00012179	W01D2.1	55624.1	63119.7	48128.4	0.76	-0.39	0.00037611	0.006363503
WBGene00003577	ndg-4	10180.9	11507.0	8854.7	0.77	-0.38	0.000377165	0.006370412
WBGene00006057	sss-2	4286.7	5433.1	3140.3	0.58	-0.79	0.000379297	0.006395831
WBGene00009918	gcsh-2	5447.4	6180.5	4714.2	0.76	-0.39	0.000380857	0.006413347
WBGene00008944	F19B2.5	1574.2	2108.7	1039.7	0.49	-1.02	0.000381626	0.006414663
WBGene00019169	H06I04.5	567.9	733.4	402.4	0.55	-0.87	0.000381651	0.006414663
WBGene00011968	T23G11.1	3496.7	4211.7	2781.7	0.66	-0.60	0.000381717	0.006414663
WBGene00018117	nlp-47	929.1	1081.9	776.3	0.72	-0.48	0.000382887	0.00642801
WBGene00008313	C54G4.3	874.5	1065.0	684.1	0.64	-0.64	0.000383853	0.006432995
WBGene00019642	K11C4.1	845.3	1036.6	654.0	0.63	-0.66	0.000385336	0.006453465
WBGene00007672	fbxa-136	31.0	50.2	11.9	0.24	-2.08	0.000386511	0.006468737
WBGene00022170	Y71H2AM.5	33411.1	37635.7	29186.6	0.78	-0.37	0.000388284	0.006493998
WBGene00003412	mrp-6	1495.3	1718.2	1272.3	0.74	-0.43	0.000389298	0.00650654
WBGene00005269	srh-46	24.8	41.4	8.3	0.20	-2.32	0.000389954	0.006513082
WBGene00009685	F44D12.8	698.7	850.8	546.6	0.64	-0.64	0.000390559	0.006514342
WBGene00185055	Y47D3B.12	191.3	242.1	140.4	0.58	-0.79	0.000391119	0.006519265
WBGene00015284	C01B10.10	713.5	845.5	581.4	0.69	-0.54	0.000392234	0.006533426
WBGene00007060	wht-6	1341.1	1590.4	1091.8	0.69	-0.54	0.00039697	0.00659893
WBGene00007112	B0035.13	4527.2	5140.7	3913.6	0.76	-0.39	0.000398778	0.006620044
WBGene00018548	clec-79	2463.2	2962.8	1963.6	0.66	-0.59	0.000399741	0.006628276

WBGene00019479	K07C11.7	4328.1	4902.8	3753.5	0.77	-0.39	0.000401067	0.006640134
WBGene00015370	C03A7.12	277.0	346.5	207.6	0.60	-0.74	0.000401593	0.006644364
WBGene00021792	Y52D5A.1	86.1	123.1	49.1	0.40	-1.33	0.000402003	0.006646689
WBGene00022333	fbxa-27	152.6	216.5	88.6	0.41	-1.29	0.000403361	0.006652549
WBGene00008583	ugt-65	489.3	675.3	303.3	0.45	-1.15	0.000403439	0.006652549
WBGene00185014	F17C8.9	1875.6	2151.0	1600.2	0.74	-0.43	0.000403439	0.006652549
WBGene00007236	C01G10.9	1421.7	1645.9	1197.4	0.73	-0.46	0.000403983	0.006652618
WBGene00009221	acs-2	1234.8	1635.8	833.8	0.51	-0.97	0.000406517	0.006680934
WBGene00000266	bre-1	3393.9	3886.3	2901.6	0.75	-0.42	0.000407822	0.006696519
WBGene00195147	F14E5.8	154.3	203.5	105.1	0.52	-0.95	0.000411837	0.006750335
WBGene00008194	C49C3.4	25721.9	29500.1	21943.7	0.74	-0.43	0.000419812	0.006858222
WBGene00022868	ZK1240.3	1540.0	1768.8	1311.3	0.74	-0.43	0.00042323	0.006909488
WBGene00006644	tsp-18	149.2	198.9	99.5	0.50	-1.00	0.000423613	0.006911154
WBGene00010117	nkb-3	16645.9	18735.9	14555.9	0.78	-0.36	0.000430961	0.007017082
WBGene00010485	ant-1.3	1629.3	2021.5	1237.1	0.61	-0.71	0.00043255	0.007038299
WBGene00008510	lipl-7	1430.6	1660.3	1201.0	0.72	-0.47	0.000435126	0.007070877
WBGene00016388	C34B2.3	553.6	666.1	441.2	0.66	-0.59	0.000437007	0.007089176
WBGene00013477	Y69E1A.5	3480.7	3957.2	3004.2	0.76	-0.40	0.000441771	0.007159945
WBGene00044162	F49C5.10	8.0	15.7	0.3	0.02	-5.54	0.00044792	0.007240535
WBGene00013771	Y113G7C.1	4490.3	5413.6	3566.9	0.66	-0.60	0.000448887	0.007251412
WBGene00014253	ZK1320.3	13429.5	16047.2	10811.7	0.67	-0.57	0.000454053	0.007320446
WBGene00008802	acp-2	722.4	848.0	596.8	0.70	-0.51	0.000456232	0.007341153
WBGene00044684	T08G11.2	708.6	857.7	559.6	0.65	-0.62	0.000460842	0.0074105
WBGene00013696	Y106G6A.4	2337.2	2782.9	1891.5	0.68	-0.56	0.000461921	0.007421984
WBGene00010634	K07F5.6	564.6	700.1	429.1	0.61	-0.71	0.000464488	0.00745451
WBGene00011954	T23F11.2	1622.4	1954.5	1290.2	0.66	-0.60	0.00046571	0.007469254
WBGene00014240	htas-1	1150.6	1340.8	960.3	0.72	-0.48	0.000473241	0.007580176
WBGene00220225	Y105E8A.50	206.0	259.0	153.0	0.59	-0.76	0.000474189	0.007590421
WBGene00021287	Y24D9B.1	667.8	791.4	544.3	0.69	-0.54	0.000478101	0.007648058
WBGene00013476	Y69E1A.4	156.8	214.8	98.8	0.46	-1.12	0.00047845	0.007648355
WBGene00003429	msp-31	7583.3	9212.1	5954.5	0.65	-0.63	0.000478741	0.007648355
WBGene00012158	ucr-2.1	20564.0	23114.5	18013.6	0.78	-0.36	0.000480585	0.007667876
WBGene00011181	R09H10.3	2494.1	2966.0	2022.1	0.68	-0.55	0.000481223	0.007673078
WBGene00022709	ZK354.8	1081.8	1307.9	855.6	0.65	-0.61	0.000486685	0.007750135
WBGene00000002	aat-1	724.9	850.5	599.3	0.70	-0.51	0.000487385	0.00775625
WBGene00012883	Y45F10D.2	166.1	224.5	107.7	0.48	-1.06	0.000488297	0.007763019
WBGene00018332	F42A9.3	280.9	358.9	202.9	0.57	-0.82	0.000488797	0.00776368
WBGene00009471	F36D3.5	946.1	1214.3	678.0	0.56	-0.84	0.000489331	0.007767149
WBGene00012207	W02B12.12	4114.9	4974.6	3255.1	0.65	-0.61	0.000492911	0.007809502
WBGene00020053	R13A5.11	555.7	666.8	444.5	0.67	-0.59	0.000493377	0.007811218
WBGene00016544	math-18	590.0	700.8	479.1	0.68	-0.55	0.000501288	0.007921185
WBGene00018930	F56B3.6	1835.2	2188.3	1482.1	0.68	-0.56	0.000503626	0.007937755
WBGene00010050	F54D5.4	18503.8	22386.3	14621.3	0.65	-0.61	0.000505994	0.007969976
WBGene00004227	ptr-13	3260.8	3708.4	2813.3	0.76	-0.40	0.000511595	0.008042754
WBGene00002262	ldh-1	10688.9	12040.1	9337.7	0.78	-0.37	0.000512726	0.008055397
WBGene00018926	F56A11.6	1550.5	1823.9	1277.1	0.70	-0.51	0.000514904	0.008079296
WBGene00006495	cpna-1	10684.0	12002.4	9365.6	0.78	-0.36	0.000514611	0.008079296
WBGene00006667	twk-12	340.4	415.8	265.0	0.64	-0.65	0.000515995	0.008091266
WBGene00010920	M117.4	667.0	794.7	539.3	0.68	-0.56	0.000518035	0.008097464
WBGene00000175	aqp-7	43449.1	48752.4	38145.8	0.78	-0.35	0.000517727	0.008097464
WBGene00007347	C05G5.1	1252.0	1445.0	1059.0	0.73	-0.45	0.000519405	0.008108576
WBGene00005001	spp-16	1035.0	1203.2	866.7	0.72	-0.47	0.000522199	0.008147035
WBGene00015165	B0361.11	286.7	366.4	206.9	0.56	-0.82	0.000523191	0.008152169
WBGene00009397	clec-66	3373.4	4065.8	2680.9	0.66	-0.60	0.000524076	0.008160798
WBGene00000609	col-20	281983.1	316802.2	247164.0	0.78	-0.36	0.000527426	0.008207779
WBGene00000675	col-101	111802.2	128615.0	94989.3	0.74	-0.44	0.000530365	0.008248296
WBGene00000177	aqp-9	706.1	827.7	584.5	0.71	-0.50	0.00053563	0.008306917
WBGene00000528	clh-1	10137.7	11432.7	8842.7	0.77	-0.37	0.000535821	0.008306917
WBGene00010188	F57B1.5	363.8	439.7	288.0	0.65	-0.61	0.000536455	0.008309169
WBGene00019373	K04A8.1	1337.2	1540.4	1133.9	0.74	-0.44	0.000537393	0.008315567
WBGene00009125	F25H5.2	278.6	344.4	212.8	0.62	-0.69	0.00053802	0.008316732
WBGene00000831	ctl-2	6306.2	7117.4	5495.0	0.77	-0.37	0.000538143	0.008316732
WBGene00000713	col-140	317283.9	355640.1	278927.6	0.78	-0.35	0.000540974	0.008349994
WBGene00003091	lys-2	16504.2	23280.6	9727.8	0.42	-1.26	0.000546865	0.008430352
WBGene00021325	Y34B4A.9	12589.3	14280.1	10898.5	0.76	-0.39	0.000547675	0.00843755

WBGene00019666	sago-1	8477.6	9554.3	7400.8	0.77	-0.37	0.000550031	0.008457976
WBGene00045305	ZC250.4	2081.1	2381.4	1780.8	0.75	-0.42	0.000550499	0.008459891
WBGene00004901	snf-2	594.2	722.6	465.8	0.64	-0.63	0.000551685	0.008472823
WBGene00077443	Y71A12B.19	286.3	364.9	207.7	0.57	-0.81	0.000554064	0.008493968
WBGene00011120	R07E5.15	2282.8	2774.3	1791.2	0.65	-0.63	0.000553427	0.008493968
WBGene00014666	C05D12.3	18790.8	21781.7	15799.8	0.73	-0.46	0.000554097	0.008493968
WBGene00014062	ZK673.6	197.8	254.4	141.3	0.56	-0.85	0.000555437	0.008509218
WBGene00007122	B0250.5	10341.9	12005.2	8678.6	0.72	-0.47	0.000558098	0.008544663
WBGene00007230	C01G10.1	735.3	983.7	486.9	0.50	-1.01	0.000559208	0.008556341
WBGene00009143	F26A3.5	934.1	1144.8	723.4	0.63	-0.66	0.0005597	0.008558543
WBGene00009959	F53B6.4	6175.2	7106.2	5244.2	0.74	-0.44	0.000560187	0.008560675
WBGene00044447	ZK688.10	857.3	1093.7	620.8	0.57	-0.82	0.000564995	0.008623444
WBGene00013335	Y57G11C.46	76.8	108.3	45.3	0.42	-1.26	0.000570499	0.008696662
WBGene00003762	nlp-24	3367.5	4199.9	2535.2	0.60	-0.73	0.000573546	0.008737698
WBGene00003812	nrf-5	9570.7	10776.2	8365.1	0.78	-0.37	0.000577736	0.008785224
WBGene00016797	C50A2.3	917.3	1119.4	715.2	0.64	-0.65	0.00057925	0.008802815
WBGene00021256	Y22D7AR.2	307.5	376.6	238.3	0.63	-0.66	0.000581128	0.008822479
WBGene00001398	fat-6	44409.0	49921.5	38896.6	0.78	-0.36	0.000581261	0.008822479
WBGene00018407	F44B9.2	3179.0	3608.7	2749.4	0.76	-0.39	0.000584769	0.008870262
WBGene00015755	C14B9.10	9329.8	10924.6	7735.0	0.71	-0.50	0.000585612	0.008877574
WBGene00015262	B0563.5	177.0	229.5	124.6	0.54	-0.88	0.000591239	0.008935363
WBGene00021878	Y54G2A.13	1274.3	1560.7	987.8	0.63	-0.66	0.00059092	0.008935363
WBGene00009641	F42G4.2	747.7	877.6	617.8	0.70	-0.51	0.000593023	0.008951337
WBGene00017058	msrp-6	793.6	959.5	627.7	0.65	-0.61	0.000596404	0.008991353
WBGene00012011	T25B9.5	228.7	289.6	167.8	0.58	-0.79	0.000599044	0.009008333
WBGene00010933	M162.7	955.8	1115.9	795.6	0.71	-0.49	0.000598532	0.009008333
WBGene00001404	fbp-1	20439.2	22918.1	17960.3	0.78	-0.35	0.000599478	0.009008333
WBGene00012615	dct-16	53818.6	66406.8	41230.4	0.62	-0.69	0.000601639	0.009026044
WBGene00006409	hdl-2	759.6	896.2	623.1	0.70	-0.52	0.000605547	0.009079143
WBGene00011469	dylt-3	108.1	150.0	66.2	0.44	-1.18	0.000606507	0.009088006
WBGene00013400	Y62H9A.12	148.6	190.0	107.2	0.56	-0.83	0.000609006	0.009119905
WBGene00219912	F22H10.10	19.4	33.5	5.4	0.16	-2.64	0.00061182	0.009150913
WBGene00007185	nlp-36	4782.7	5422.1	4143.3	0.76	-0.39	0.000611783	0.009150913
WBGene00004054	AC8.1	186.4	251.4	121.5	0.48	-1.05	0.000616406	0.009208314
WBGene00022076	daao-1	298.4	369.3	227.5	0.62	-0.70	0.000620711	0.009266997
WBGene00014562	Y17D7B.7	1156.2	1418.9	893.4	0.63	-0.67	0.000623247	0.009287958
WBGene00009259	hpo-34	57577.7	65137.6	50017.8	0.77	-0.38	0.000623173	0.009287958
WBGene00022260	Y73C8B.3	2006.5	2293.1	1719.8	0.75	-0.42	0.000625256	0.00930341
WBGene00006404	tag-10	6837.3	7689.1	5985.4	0.78	-0.36	0.000625942	0.009305592
WBGene00021060	dct-11	2358.5	2681.0	2035.9	0.76	-0.40	0.000627697	0.009326062
WBGene00022705	ZK354.2	2250.0	2636.5	1863.5	0.71	-0.50	0.000630394	0.009360474
WBGene00000019	abt-1	1308.7	1618.6	998.8	0.62	-0.70	0.000635118	0.009407917
		2732590.	3050482.	2414698.				
WBGene00006930	vit-6	5	1	9	0.79	-0.34	0.000636132	0.00941162
WBGene00013366	Y60A3A.21	1055.6	1256.0	855.2	0.68	-0.55	0.000643339	0.009484052
WBGene00015828	math-14	645.4	882.5	408.3	0.46	-1.11	0.000647788	0.009532519
WBGene00009973	F53C11.3	4323.8	4880.2	3767.5	0.77	-0.37	0.000647512	0.009532519
WBGene00022143	Y71G12B.3	410.4	496.3	324.4	0.65	-0.61	0.000652808	0.009599581
WBGene00008273	C53B4.3	1882.1	2141.6	1622.7	0.76	-0.40	0.000653126	0.009599581
WBGene00004932	sod-3	328.0	453.4	202.6	0.45	-1.16	0.000654314	0.009611313
WBGene00017468	F14F9.5	475.9	565.5	386.4	0.68	-0.55	0.000655632	0.009624922
WBGene00011070	msrp-7	204.0	255.5	152.5	0.60	-0.74	0.000661271	0.009701928
WBGene00009645	F42G10.1	5454.7	6159.4	4750.0	0.77	-0.37	0.00067049	0.009802137
WBGene00013823	Y116F11B.7	206.3	260.6	152.0	0.58	-0.78	0.00067337	0.009828665
WBGene00003813	nrf-6	27128.8	30395.5	23862.0	0.79	-0.35	0.000673902	0.009828665
WBGene00012404	Y6G8.2	1059.3	1528.0	590.7	0.39	-1.37	0.000675483	0.009840073
WBGene00012357	W09D6.4	863.1	1011.1	715.0	0.71	-0.50	0.000683686	0.009947791
WBGene00007563	C14A4.13	495.9	596.5	395.3	0.66	-0.59	0.000684778	0.009951912
WBGene00009091	F23D12.7	257.4	318.2	196.6	0.62	-0.69	0.000685688	0.009959267
WBGene00011379	T02E1.7	613.0	757.3	468.7	0.62	-0.69	0.000686473	0.009964785
WBGene00017431	F13H6.3	3227.7	3653.6	2801.9	0.77	-0.38	0.000691153	0.010015005
WBGene00004903	snf-4	110.2	154.3	66.1	0.43	-1.22	0.000694025	0.010050713
WBGene00020847	cgr-1	2779.9	3152.2	2407.6	0.76	-0.39	0.000698955	0.010110204
WBGene00001778	gst-30	110.1	142.9	77.3	0.54	-0.89	0.000701845	0.010134155
WBGene00195233	F31E9.11	305.0	378.8	231.1	0.61	-0.71	0.00070108	0.010134155

WBGene00011795	T16A9.5	4699.9	5576.4	3823.4	0.69	-0.54	0.00070285	0.010136774
WBGene00016559	C41A3.2	1190.6	1374.3	1006.9	0.73	-0.45	0.000704218	0.010150547
WBGene00000207	asb-2	38151.2	42739.0	33563.3	0.79	-0.35	0.000707957	0.010186553
WBGene00003467	msp-81	13395.8	16486.6	10305.0	0.63	-0.68	0.00071596	0.010265701
WBGene00009712	F44G4.2	13799.4	15481.9	12117.0	0.78	-0.35	0.000717473	0.010275426
WBGene00019322	ahcy-1	251854.2	281827.6	221880.8	0.79	-0.35	0.00071865	0.01028631
WBGene00010648	K08C7.6	1136.6	1311.0	962.3	0.73	-0.45	0.000723972	0.010356456
WBGene00012293	W06A7.4	1839.3	2213.9	1464.6	0.66	-0.60	0.000726361	0.010384601
WBGene00016636	perm-2	57219.9	64031.2	50408.5	0.79	-0.35	0.000739855	0.010559121
WBGene00016800	C50C3.2	1142.1	1361.8	922.5	0.68	-0.56	0.000744812	0.010615735
WBGene00000240	pah-1	11021.6	12712.6	9330.6	0.73	-0.45	0.000745514	0.010615735
WBGene00011748	T13F2.9	6871.7	8595.6	5147.8	0.60	-0.74	0.000746582	0.010624336
WBGene00000752	col-179	66088.6	74015.7	58161.6	0.79	-0.35	0.000749449	0.01065897
WBGene00077437	Y59H11AR.6	1295.2	1491.8	1098.6	0.74	-0.44	0.000751289	0.01067898
WBGene00015279	C01B10.4	545.3	643.9	446.6	0.69	-0.53	0.000751986	0.01068168
WBGene00002183	kat-1	32393.1	36250.8	28535.4	0.79	-0.35	0.000752347	0.01068168
WBGene00016086	C25A11.1	308.1	372.0	244.3	0.66	-0.61	0.000753078	0.0106859
WBGene00000977	dhs-14	1721.5	1965.3	1477.7	0.75	-0.41	0.000756923	0.010709584
WBGene00014108	ZK856.7	1582.7	1809.0	1356.4	0.75	-0.42	0.000761311	0.010759303
WBGene00044134	D1025.10	1104.9	1327.5	882.3	0.66	-0.59	0.000762537	0.01077045
WBGene00004494	rps-25	106743.3	122704.0	90782.6	0.74	-0.43	0.000765107	0.010794365
WBGene00003773	nlt-1	3689.5	4346.6	3032.3	0.70	-0.52	0.000769159	0.010845325
WBGene00007056	crn-7	1143.9	1314.4	973.4	0.74	-0.43	0.000770587	0.01085924
WBGene00001993	hpd-1	28450.7	31924.4	24977.0	0.78	-0.35	0.000776917	0.010931464
WBGene00022541	ZC190.7	154.3	200.8	107.7	0.54	-0.90	0.000784864	0.011028867
WBGene00007337	C05C12.5	1207.5	1425.3	989.8	0.69	-0.53	0.000786054	0.011039282
WBGene00016558	pks-1	2916.2	3303.0	2529.5	0.77	-0.38	0.000792414	0.011122253
WBGene00000716	col-143	105385.7	119787.9	90983.4	0.76	-0.40	0.000805434	0.011292136
WBGene00013033	Y49E10.10	1267.5	1520.5	1014.5	0.67	-0.58	0.000809686	0.011325943
WBGene00014214	ZK1073.2	556.8	655.9	457.6	0.70	-0.52	0.000809253	0.011325943
WBGene00006621	try-3	120.9	158.8	83.0	0.52	-0.94	0.000815226	0.011389561
WBGene00023492	T24D3.2	354.2	441.4	267.0	0.60	-0.73	0.000815622	0.011389561
WBGene00009941	F52F12.8	309.9	382.2	237.7	0.62	-0.69	0.000823281	0.011476979
WBGene00016843	C50F7.3	477.2	586.2	368.2	0.63	-0.67	0.000824234	0.011478366
WBGene00014223	ZK1098.6	386.0	467.8	304.2	0.65	-0.62	0.000826151	0.011478366
WBGene00019255	H32C10.1	958.4	1135.1	781.6	0.69	-0.54	0.000825816	0.011478366
WBGene00016234	C29G2.6	1908.4	2164.3	1652.5	0.76	-0.39	0.000826178	0.011478366
WBGene00021430	Y38F2AR.12	4145.5	4683.5	3607.6	0.77	-0.38	0.000825313	0.011478366
WBGene00019164	H06H21.8	6902.7	7952.3	5853.0	0.74	-0.44	0.000829513	0.011518211
WBGene00007641	C17E4.1	201.8	259.5	144.2	0.56	-0.85	0.00083008	0.011519576
WBGene00017542	F17E9.5	7605.5	9208.6	6002.4	0.65	-0.62	0.000837024	0.011609405
WBGene00009377	F34D10.8	928.1	1099.0	757.3	0.69	-0.54	0.000841874	0.011670098
WBGene00019813	ger-1	1643.7	1875.3	1412.0	0.75	-0.41	0.000853264	0.011807436
WBGene00020256	T05C3.6	2794.0	3165.8	2422.2	0.77	-0.39	0.000856404	0.011824905
WBGene00019957	R08E3.1	23032.4	26639.8	19425.0	0.73	-0.46	0.000858042	0.011840882
WBGene00023424	C53D6.10	686.7	835.2	538.1	0.64	-0.63	0.000861361	0.011866727
WBGene00019211	H18N23.2	4023.2	4546.3	3500.1	0.77	-0.38	0.00086525	0.011913646
WBGene00012987	Y48C3A.3	1611.5	1838.5	1384.5	0.75	-0.41	0.000870151	0.011947713
WBGene00015634	C09D4.3	1277.3	1540.3	1014.2	0.66	-0.60	0.00087306	0.011974302
WBGene00008341	ttr-44	2207.9	3053.7	1362.0	0.45	-1.16	0.000879232	0.012032138
WBGene00009126	pyk-1	68997.8	77099.6	60896.0	0.79	-0.34	0.000884213	0.012086865
WBGene00021633	Y47G6A.3	517.5	617.2	417.9	0.68	-0.56	0.000891922	0.01214408
WBGene00001501	ftn-2	22099.4	24726.3	19472.5	0.79	-0.34	0.000892345	0.01214408
WBGene00016393	C34B2.8	17964.2	20161.0	15767.4	0.78	-0.35	0.000897045	0.012199942
WBGene00022093	Y69A2AR.22	1048.0	1201.7	894.4	0.74	-0.43	0.000903891	0.01228084
WBGene00000597	col-8	135064.6	153114.7	117014.5	0.76	-0.39	0.000909364	0.012341065
WBGene00018949	acbp-4	196.7	251.4	142.1	0.57	-0.82	0.000911323	0.012345327
WBGene00022096	Y69A2AR.25	240.5	320.4	160.6	0.50	-1.00	0.000915295	0.012384343
WBGene00000389	cdc-25.4	234.2	295.3	173.0	0.59	-0.77	0.000915533	0.012384343
WBGene00004904	snf-5	6497.0	7783.0	5211.0	0.67	-0.58	0.000916139	0.012385739
WBGene00001777	gst-29	63.2	92.9	33.4	0.36	-1.48	0.00091896	0.012410238
WBGene00004972	spe-26	1330.1	1548.7	1111.5	0.72	-0.48	0.00091856	0.012410238
WBGene00007239	C01G10.14	529.0	662.9	395.0	0.60	-0.75	0.00092209	0.012438864
WBGene00022876	ZK1248.5	951.3	1165.6	737.1	0.63	-0.66	0.000927151	0.012493447
WBGene00007190	rmd-3	4525.6	5294.2	3757.0	0.71	-0.49	0.000926649	0.012493447

WBGene00010241	F58D2.2	2522.5	3046.5	1998.5	0.66	-0.61	0.000929593	0.012512656
WBGene00077519	T27C10.8	605.5	763.9	447.1	0.59	-0.77	0.000933284	0.012555469
WBGene00001922	his-48	199.5	257.5	141.5	0.55	-0.86	0.00093432	0.012562549
WBGene00012291	W06A7.2	2305.4	2606.2	2004.5	0.77	-0.38	0.000940723	0.012641741
WBGene00020120	R160.3	376.7	448.2	305.3	0.68	-0.55	0.000941802	0.012649333
WBGene00021233	Y19D10B.4	42.7	64.2	21.2	0.33	-1.60	0.000942717	0.012649534
WBGene00012605	Y38F1A.1	1291.3	1486.6	1096.0	0.74	-0.44	0.000942845	0.012649534
WBGene00021193	math-44	430.3	511.2	349.4	0.68	-0.55	0.000943812	0.012655609
WBGene00012175	W01C9.1	33.3	49.0	17.6	0.36	-1.48	0.000945667	0.012673579
WBGene00017802	F26A1.3	580.3	686.1	474.5	0.69	-0.53	0.000946917	0.012683438
WBGene00008354	gcsh-1	2949.6	3534.9	2364.2	0.67	-0.58	0.000947988	0.01269087
WBGene00008485	ugt-43	500.0	661.9	338.1	0.51	-0.97	0.000964826	0.012846664
WBGene00017736	F23C8.7	710.0	853.3	566.7	0.66	-0.59	0.000964843	0.012846664
WBGene00013587	Y80D3A.9	1528.6	1746.2	1310.9	0.75	-0.41	0.000969092	0.012889286
WBGene00000968	dhs-4	425.4	507.2	343.7	0.68	-0.56	0.00097343	0.012933007
WBGene00013284	daf-22	6541.8	7436.8	5646.8	0.76	-0.40	0.000975684	0.012955965
WBGene00022597	ZC395.5	187.5	257.8	117.2	0.45	-1.14	0.000979978	0.013005972
WBGene00017213	F07E5.8	340.1	440.1	240.0	0.55	-0.87	0.000982226	0.013022399
WBGene00020651	T21D12.12	2119.9	2397.2	1842.6	0.77	-0.38	0.000993792	0.013160932
WBGene00017727	F22H10.3	7948.4	8984.5	6912.2	0.77	-0.38	0.000997074	0.013197294
WBGene00019135	math-32	121.7	163.0	80.4	0.49	-1.02	0.000999643	0.01321708
WBGene00003996	pgp-2	9207.0	10341.1	8072.9	0.78	-0.36	0.001003513	0.013254015
WBGene00014121	ZK858.8	996.1	1170.8	821.5	0.70	-0.51	0.001005317	0.01327072
WBGene00008019	C38H2.2	3490.2	3939.0	3041.3	0.77	-0.37	0.001009352	0.013316842
WBGene00003162	mdh-2	98407.2	109779.7	87034.7	0.79	-0.33	0.00101053	0.013325246
WBGene00045355	D1086.17	2413.4	2897.5	1929.4	0.67	-0.59	0.001015026	0.013372383
WBGene00043980	F11D5.7	905.5	1174.6	636.4	0.54	-0.88	0.001019766	0.013425468
WBGene00010326	F59C6.5	23467.5	26259.9	20675.1	0.79	-0.34	0.001021518	0.013441338
WBGene00003163	mdl-1	2544.1	3216.0	1872.3	0.58	-0.78	0.001025534	0.01347977
WBGene00003065	lpd-9	6429.8	7239.1	5620.4	0.78	-0.37	0.001025411	0.01347977
WBGene00000367	cca-1	1951.5	2214.9	1688.1	0.76	-0.39	0.001026601	0.013486602
WBGene00018163	F38A5.6	260.7	322.5	198.9	0.62	-0.70	0.001034232	0.013579603
WBGene00010214	F57G8.5	432.8	516.6	349.0	0.68	-0.57	0.00103825	0.013625089
WBGene00006920	vha-11	31511.6	35198.0	27825.2	0.79	-0.34	0.001039437	0.013633403
WBGene00005688	sru-25	42.9	62.1	23.8	0.38	-1.38	0.001040928	0.013645685
WBGene00015295	acl-12	2397.7	3123.0	1672.4	0.54	-0.90	0.001045707	0.01369375
WBGene00011910	alg-3	4806.8	5800.1	3813.5	0.66	-0.60	0.001046996	0.013703344
WBGene00012952	Y47H9C.9	341.1	407.6	274.6	0.67	-0.57	0.001053209	0.013755414
WBGene00017175	irld-3	472.5	581.3	363.6	0.63	-0.68	0.001054884	0.013769982
WBGene00000267	bre-2	345.9	414.0	277.9	0.67	-0.58	0.001055961	0.013776735
WBGene00018921	sago-2	1630.4	1853.0	1407.8	0.76	-0.40	0.00105735	0.013780248
WBGene00011374	T02D1.8	2862.0	3227.4	2496.6	0.77	-0.37	0.0010632	0.013834526
WBGene00022650	ZK84.2	830.7	1000.8	660.7	0.66	-0.60	0.001070119	0.013899206
WBGene00022075	Y69A2AR.3	2614.1	3144.4	2083.9	0.66	-0.59	0.001070429	0.013899206
WBGene00022047	Y66H1A.5	2868.2	3242.3	2494.1	0.77	-0.38	0.001069483	0.013899206
WBGene00219493	C18D4.12	142.6	181.8	103.4	0.57	-0.82	0.001075818	0.013961818
WBGene00010612	K07A1.5	1026.4	1192.3	860.5	0.72	-0.47	0.001079547	0.013995449
WBGene00013854	cyc-2.2	1861.2	2262.5	1460.0	0.65	-0.63	0.001085929	0.014059265
WBGene00000370	ccg-1	6222.4	6998.9	5445.9	0.78	-0.36	0.001086182	0.014059265
WBGene00012636	Y38H8A.2	208.8	264.5	153.0	0.58	-0.79	0.001089238	0.014084002
WBGene00018999	F57B9.8	541.2	643.2	439.3	0.68	-0.55	0.001088716	0.014084002
WBGene00009308	F32A11.3	5032.0	6013.9	4050.1	0.67	-0.57	0.001096966	0.014176482
WBGene00021386	Y37F4.5	425.3	508.8	341.7	0.67	-0.57	0.001099447	0.01419365
WBGene00013437	Y66D12A.11	586.3	712.2	460.4	0.65	-0.63	0.001101536	0.014213162
WBGene00010196	F57C2.4	1509.5	1856.8	1162.3	0.63	-0.68	0.001111477	0.014309463
WBGene00020353	T08B6.4	4767.6	5659.8	3875.3	0.68	-0.55	0.001112715	0.014309463
WBGene00009295	fbxa-180	804.0	927.2	680.8	0.73	-0.45	0.001116296	0.014343471
WBGene00005271	srh-48	150.0	194.0	106.0	0.55	-0.87	0.001117252	0.014348264
WBGene00009962	F53B6.7	1296.6	1536.8	1056.5	0.69	-0.54	0.001119886	0.014367099
WBGene00004480	rps-11	133321.0	149089.1	117552.9	0.79	-0.34	0.001133876	0.014531435
WBGene00014259	ZK1320.11	536.3	638.1	434.6	0.68	-0.55	0.001166301	0.014885002
WBGene00018145	F37C4.5	22116.9	24694.7	19539.1	0.79	-0.34	0.0011689	0.014895009
WBGene00006839	unc-115	15178.1	16921.5	13434.7	0.79	-0.33	0.001168261	0.014895009
WBGene00008603	F09B9.4	2502.2	2830.2	2174.3	0.77	-0.38	0.001185498	0.015083092
WBGene00007070	ugt-49	5318.8	5964.1	4673.5	0.78	-0.35	0.001184292	0.015083092

WBGene00010510	ent-3	1544.2	1839.7	1248.7	0.68	-0.56	0.001194375	0.01518034
WBGene00044554	F41E6.15	1202.1	1449.7	954.5	0.66	-0.60	0.00119743	0.015189183
WBGene00011203	R10E4.7	1628.6	1861.1	1396.0	0.75	-0.41	0.001196742	0.015189183
WBGene00006919	vha-10	31057.9	34650.5	27465.4	0.79	-0.34	0.00119601	0.015189183
WBGene00022230	Y73B6A.3	63.8	88.4	39.2	0.44	-1.17	0.001198715	0.015196281
WBGene00020688	T22D1.11	343.0	412.8	273.2	0.66	-0.60	0.001205603	0.015275734
WBGene00012140	T28F4.5	6597.5	7816.2	5378.9	0.69	-0.54	0.001208145	0.015293031
WBGene00011207	R10E8.1	673.7	783.4	564.0	0.72	-0.47	0.001218858	0.015364601
WBGene00022474	zig-9	1700.6	1985.3	1415.8	0.71	-0.49	0.001219895	0.015369808
WBGene00001911	his-37	2694.9	3083.8	2305.9	0.75	-0.42	0.001226677	0.015447343
WBGene00017386	nspd-5	1974.4	2527.5	1421.3	0.56	-0.83	0.001229982	0.01546791
WBGene00013809	Y116A8C.33	873.6	1033.3	713.8	0.69	-0.53	0.001230823	0.01546791
WBGene00023209	ZC513.7	21570.0	24463.0	18677.1	0.76	-0.39	0.001230368	0.01546791
WBGene00015516	C06A8.6	1445.2	1744.7	1145.7	0.66	-0.61	0.001236169	0.015525611
WBGene00019912	R06B10.1	774.7	1017.9	531.6	0.52	-0.94	0.001241185	0.015566349
WBGene00010516	K02E11.7	213.7	262.9	164.5	0.63	-0.68	0.001242065	0.015569445
WBGene00001910	C50F4.6	773.4	891.8	654.9	0.73	-0.45	0.001256387	0.015701016
WBGene00010163	F56H6.2	10.0	17.9	2.2	0.12	-3.04	0.001260383	0.015741719
WBGene00017748	F23F1.7	508.9	601.0	416.9	0.69	-0.53	0.001261563	0.015741719
WBGene00017329	ugt-39	669.1	846.0	492.1	0.58	-0.78	0.001275564	0.01586124
WBGene00018217	F40A3.2	3151.7	3549.0	2754.4	0.78	-0.37	0.001275651	0.01586124
WBGene00008394	D1086.7	5036.0	5647.9	4424.1	0.78	-0.35	0.001278876	0.015893308
WBGene00008945	F19B2.6	566.8	662.4	471.2	0.71	-0.49	0.001285688	0.015945771
WBGene00013429	Y66D12A.3	344.8	417.9	271.7	0.65	-0.62	0.001304082	0.016141379
WBGene00021398	Y38C1AA.7	8434.5	9814.3	7054.7	0.72	-0.48	0.001307626	0.016177112
WBGene00004981	spl-1	11589.9	12958.3	10221.4	0.79	-0.34	0.001310891	0.016209353
WBGene00007323	fbxa-155	181.8	234.0	129.5	0.55	-0.85	0.001324343	0.016342855
WBGene00006980	zig-3	83.0	113.6	52.4	0.46	-1.12	0.001328794	0.016389573
WBGene00001752	gst-4	2467.0	3018.0	1916.0	0.63	-0.66	0.001332524	0.01641912
WBGene00000652	col-76	2080.4	2591.5	1569.4	0.61	-0.72	0.001335221	0.016444124
WBGene00020526	T15B7.14	204.7	254.5	154.9	0.61	-0.72	0.001343513	0.0165154
WBGene00001784	gst-36	4734.4	5323.8	4145.1	0.78	-0.36	0.001343576	0.0165154
WBGene00020417	nuo-2	15498.2	17291.6	13704.8	0.79	-0.34	0.001343692	0.0165154
WBGene00021492	comt-5	75.9	101.8	50.0	0.49	-1.02	0.001354728	0.016626152
WBGene00020924	W02B3.4	508.7	596.0	421.5	0.71	-0.50	0.001354239	0.016626152
WBGene00018235	F40E12.2	560.3	710.0	410.5	0.58	-0.79	0.001355468	0.016626942
WBGene00044452	Y102E9.5	484.7	594.4	375.1	0.63	-0.66	0.001364077	0.016707567
WBGene00007335	C05C12.1	625.3	740.4	510.2	0.69	-0.54	0.001364952	0.016709973
WBGene00016698	C46A5.1	1080.5	1264.9	896.1	0.71	-0.50	0.001366962	0.016716261
WBGene00010679	K08F4.5	728.0	917.0	538.9	0.59	-0.77	0.001375007	0.016799652
WBGene00020293	nep-20	381.8	460.1	303.5	0.66	-0.60	0.001384833	0.016902932
WBGene00012809	Y43F8A.2	3609.7	4235.2	2984.1	0.70	-0.51	0.001384512	0.016902932
WBGene00022451	Y110A2AM.4	142.7	179.1	106.3	0.59	-0.75	0.001389801	0.016946758
WBGene00015390	C03F11.4	1008.3	1157.9	858.7	0.74	-0.43	0.001395995	0.016997028
WBGene00016753	oac-9	1178.3	1392.7	963.9	0.69	-0.53	0.001400789	0.017038548
WBGene00008229	C50F4.1	3843.6	4593.3	3093.8	0.67	-0.57	0.001410128	0.017143672
WBGene00011884	enol-1	95732.0	106558.1	84905.8	0.80	-0.33	0.001418552	0.01723758
WBGene00011119	mpc-1	8634.9	9630.9	7638.9	0.79	-0.33	0.001426692	0.017319389
WBGene00007685	C18E9.5	3379.1	3796.8	2961.3	0.78	-0.36	0.001442097	0.017437622
WBGene00017691	ilys-5	33863.9	38387.0	29340.9	0.76	-0.39	0.001448258	0.017494934
WBGene00006719	ubc-24	143.8	186.0	101.5	0.55	-0.87	0.001450611	0.017506177
WBGene00010246	F58D5.7	1285.1	1529.1	1041.1	0.68	-0.55	0.00145245	0.017519781
WBGene00015839	math-10	87.2	121.4	53.1	0.44	-1.19	0.001455238	0.01754403
WBGene00019920	acs-15	901.8	1095.3	708.3	0.65	-0.63	0.00146298	0.017603662
WBGene00002206	kin-24	386.8	483.0	290.6	0.60	-0.73	0.001466421	0.017634258
WBGene00022615	ZC449.5	4347.4	4891.3	3803.5	0.78	-0.36	0.001466955	0.017634258
WBGene00007155	B0379.1	3291.5	3769.7	2813.4	0.75	-0.42	0.001470206	0.017664721
WBGene00010245	F58D5.6	128.7	168.6	88.9	0.53	-0.92	0.001474246	0.01768736
WBGene00016322	C32E8.4	654.9	817.6	492.3	0.60	-0.73	0.001473796	0.01768736
WBGene00010136	F55H12.5	1295.1	1573.6	1016.5	0.65	-0.63	0.00147972	0.017718493
WBGene00004979	sph-1	1270.8	1447.0	1094.7	0.76	-0.40	0.001479242	0.017718493
WBGene00011893	T21C9.6	3730.5	4229.7	3231.3	0.76	-0.39	0.001479131	0.017718493
WBGene00013986	ZK512.7	7493.5	9125.8	5861.1	0.64	-0.64	0.001483456	0.01775459
WBGene00000263	F23H11.5	19530.4	22145.2	16915.6	0.76	-0.39	0.00149771	0.017899086
WBGene00003571	ncx-6	639.3	780.6	498.0	0.64	-0.65	0.001502994	0.017944811

WBGene00019598	K09H9.7	2451.5	2785.2	2117.9	0.76	-0.40	0.001502427	0.017944811
WBGene00010705	cyp-14A1	474.9	555.2	394.7	0.71	-0.49	0.001506294	0.017975493
WBGene00011906	hsp-12.1	128.9	166.3	91.6	0.55	-0.86	0.001512969	0.018037673
WBGene00003248	mig-17	546.2	638.1	454.2	0.71	-0.49	0.001514833	0.018051143
WBGene00015345	C02F5.2	258.5	316.8	200.2	0.63	-0.66	0.001517495	0.018074116
WBGene00000881	cyn-5	33573.2	37368.8	29777.5	0.80	-0.33	0.001521463	0.018095116
WBGene00013707	Y106G6E.3	12.5	22.9	2.0	0.09	-3.48	0.00152483	0.018117655
WBGene00015306	C01G5.4	747.8	898.6	597.1	0.66	-0.59	0.001525599	0.018118055
WBGene00000371	cco-1	29848.0	33260.4	26435.6	0.79	-0.33	0.001530479	0.018158488
WBGene00013478	Y69E1A.8	388.7	479.4	298.0	0.62	-0.69	0.001538036	0.018221803
WBGene00007948	C35A5.4	354.3	445.1	263.6	0.59	-0.76	0.001542593	0.018267008
WBGene00018384	F43C11.7	720.0	832.3	607.7	0.73	-0.45	0.00154661	0.018296963
WBGene00004965	spe-11	2639.0	3139.5	2138.6	0.68	-0.55	0.001555486	0.018362161
WBGene00000230	atp-3	58594.7	65181.5	52008.0	0.80	-0.33	0.001553914	0.018362161
WBGene00002255	lbp-3	3940.3	4424.6	3456.0	0.78	-0.36	0.001559434	0.018386835
WBGene00022546	ZC196.2	164.2	205.3	123.0	0.60	-0.74	0.001572681	0.01853415
WBGene00012225	W03G11.3	1234.6	1410.2	1059.0	0.75	-0.41	0.001598261	0.018799609
WBGene00001909	his-35	4368.1	4888.3	3847.9	0.79	-0.35	0.00160233	0.018838478
WBGene00014814	R03D7.3	168.3	210.9	125.6	0.60	-0.75	0.001607384	0.018888873
WBGene00020636	T20H4.5	15453.9	17235.1	13672.7	0.79	-0.33	0.00162024	0.019015311
WBGene00009902	drd-1	3057.4	3433.5	2681.3	0.78	-0.36	0.001632235	0.019130818
WBGene00003474	mtl-2	1857.9	2575.8	1140.1	0.44	-1.18	0.001636205	0.019159045
WBGene00021585	clec-74	151.8	188.8	114.8	0.61	-0.72	0.001638832	0.019176054
WBGene00003987	pes-23	1707.1	1932.4	1481.8	0.77	-0.38	0.001640719	0.019189007
WBGene00011297	R102.10	723.3	888.9	557.6	0.63	-0.67	0.001649187	0.019269738
WBGene00004408	rla-0	348773.3	387315.6	310230.9	0.80	-0.32	0.001663271	0.019391909
WBGene00019586	K09F6.3	2502.6	2950.9	2054.2	0.70	-0.52	0.001666049	0.019411478
WBGene00017978	msrp-1	1336.6	1660.8	1012.3	0.61	-0.71	0.001676252	0.019495222
WBGene00007977	gska-3	2001.5	2465.3	1537.7	0.62	-0.68	0.001676404	0.019495222
WBGene00006670	twk-16	322.4	389.9	254.8	0.65	-0.61	0.001675626	0.019495222
WBGene00019988	R09F10.5	331.9	399.0	264.8	0.66	-0.59	0.001678	0.019504573
WBGene00001245	elo-7	377.4	465.2	289.6	0.62	-0.68	0.001686353	0.019592412
WBGene00007728	C25F9.9	139.7	176.5	102.8	0.58	-0.78	0.001691943	0.019648092
WBGene00016655	acbp-1	13005.7	15145.2	10866.1	0.72	-0.48	0.001694635	0.019670067
WBGene00011222	R10H10.3	12074.9	14071.9	10078.0	0.72	-0.48	0.001695624	0.019672279
WBGene00019785	M70.3	2589.6	3180.9	1998.3	0.63	-0.67	0.001701586	0.019727518
WBGene00021800	Y53G8AL.2	19103.0	21315.7	16890.2	0.79	-0.34	0.001706243	0.01975823
WBGene00020116	moa-1	1707.0	2039.5	1374.4	0.67	-0.57	0.001736859	0.020051517
WBGene00020448	fbxa-51	591.4	700.8	482.0	0.69	-0.54	0.001737271	0.020051517
WBGene00003435	msp-40	9257.7	11062.8	7452.7	0.67	-0.57	0.001744804	0.020129024
WBGene00014224	mrps-23	1713.6	1940.4	1486.7	0.77	-0.38	0.001760325	0.02029857
WBGene00194935	M02G9.4	123.1	169.7	76.5	0.45	-1.15	0.00176142	0.020301683
WBGene00000245	bca-1	2935.9	3332.8	2539.0	0.76	-0.39	0.001766926	0.020355611
WBGene00013475	Y69E1A.3	313.6	381.6	245.6	0.64	-0.64	0.001779987	0.020448667
WBGene00013449	Y67A6A.1	543.0	670.2	415.7	0.62	-0.69	0.001782844	0.020471937
WBGene00018001	F33D11.2	375.7	454.5	296.9	0.65	-0.61	0.001793792	0.020578457
WBGene00016719	math-24	504.2	589.5	418.9	0.71	-0.49	0.001798968	0.020599436
WBGene00021024	W04C9.2	4874.7	5465.7	4283.7	0.78	-0.35	0.001811551	0.020704998
WBGene00016541	C39H7.1	5920.2	6993.0	4847.5	0.69	-0.53	0.001815772	0.020743611
WBGene00044158	Y53C12A.8	140.7	203.3	78.1	0.38	-1.38	0.001818458	0.020764668
WBGene00013290	Y57G11A.2	8777.1	10316.3	7238.0	0.70	-0.51	0.001820733	0.020781006
WBGene00019337	K02F6.3	2134.4	2525.0	1743.8	0.69	-0.53	0.001827678	0.02082272
WBGene00012722	Y39G8B.1	5104.8	5724.2	4485.4	0.78	-0.35	0.001829669	0.020834698
WBGene00003470	msp-152	9435.4	11258.6	7612.1	0.68	-0.56	0.001832122	0.020852991
WBGene00008595	clec-56	4778.4	5335.6	4221.1	0.79	-0.34	0.001839463	0.020926506
WBGene00016920	C54E4.5	1096.3	1410.1	782.5	0.55	-0.85	0.001855282	0.021040319
WBGene00044921	F53C11.9	187.7	234.1	141.3	0.60	-0.73	0.001853433	0.021040319
WBGene00014089	ZK822.1	341.1	413.1	269.2	0.65	-0.62	0.001854964	0.021040319
WBGene00013237	Y56A3A.19	10711.8	11939.5	9484.1	0.79	-0.33	0.001852095	0.021040319
WBGene00020350	T08B2.12	495.3	604.8	385.9	0.64	-0.65	0.001859268	0.021074271
WBGene00007350	sucl-1	15375.7	17125.6	13625.7	0.80	-0.33	0.001860902	0.021083083
WBGene00018100	math-26	3013.9	3390.4	2637.4	0.78	-0.36	0.001867932	0.021152996
WBGene00044177	C30G7.3	2040.2	2397.1	1683.4	0.70	-0.51	0.001869328	0.021159073
WBGene00019333	moma-1	9285.2	10353.1	8217.3	0.79	-0.33	0.00187045	0.021162046
WBGene00018178	F38E1.3	355.9	439.7	272.2	0.62	-0.69	0.001877638	0.021219691

WBGene00012827	Y43F8C.5	955.2	1134.5	775.9	0.68	-0.55	0.001878131	0.021219691
WBGene00013723	Y106G6H.13	2270.8	2656.3	1885.3	0.71	-0.49	0.001877819	0.021219691
WBGene00006587	tnt-2	66123.1	73392.5	58853.7	0.80	-0.32	0.001885661	0.021294989
WBGene00011617	T08G3.4	544.2	690.8	397.7	0.58	-0.80	0.001888749	0.021320082
WBGene00020613	T20D4.7	143.1	185.6	100.5	0.54	-0.88	0.001894068	0.021370326
WBGene00010221	F57G12.1	6363.6	7186.5	5540.7	0.77	-0.38	0.001895948	0.021381737
WBGene00022780	ZK622.1	585.3	689.0	481.6	0.70	-0.52	0.00189736	0.021387869
WBGene00020557	T19B4.3	5093.2	5680.1	4506.3	0.79	-0.33	0.001903777	0.021450385
WBGene00235383	ZK616.65	472.2	581.9	362.5	0.62	-0.68	0.001915914	0.021559888
WBGene00011291	R102.4	4853.4	5432.8	4274.1	0.79	-0.35	0.001916999	0.021559888
WBGene00011023	R05A10.6	30.9	47.4	14.5	0.31	-1.71	0.001931728	0.02170571
WBGene00010086	F55B11.4	2060.0	2424.9	1695.1	0.70	-0.52	0.001958993	0.021971957
WBGene00001644	gly-19	571.2	662.7	479.7	0.72	-0.47	0.001964055	0.022003302
WBGene00015056	B0222.5	4106.9	4698.8	3514.9	0.75	-0.42	0.001964868	0.022003302
WBGene00011094	R07B7.10	977.8	1117.2	838.3	0.75	-0.41	0.001979731	0.022133973
WBGene00013524	Y73F8A.15	162.6	206.3	118.8	0.58	-0.80	0.001985007	0.022182883
WBGene00015456	C04G6.6	897.0	1037.3	756.7	0.73	-0.46	0.00198795	0.022205688
WBGene00011767	agxt-1	3292.5	3689.8	2895.3	0.78	-0.35	0.001990534	0.022224467
WBGene00011951	T23F6.3	713.6	912.7	514.5	0.56	-0.83	0.002000094	0.022290768
WBGene00010880	M05D6.8	6.1	11.0	1.1	0.10	-3.30	0.002001289	0.022293967
WBGene00011200	R10E4.3	158.2	207.4	109.0	0.53	-0.93	0.002003097	0.022293967
WBGene00014870	Y37H9A.4	129.2	162.6	95.8	0.59	-0.76	0.002002302	0.022293967
WBGene00001638	gly-13	3396.5	3799.6	2993.4	0.79	-0.34	0.002007685	0.022314764
WBGene00000217	asp-4	30156.2	33514.4	26797.9	0.80	-0.32	0.002008672	0.022315658
WBGene00206418	M04C3.5	124.1	158.5	89.7	0.57	-0.82	0.002020379	0.022421678
WBGene00019405	K05F1.1	277.5	344.1	210.9	0.61	-0.71	0.002022676	0.022421678
WBGene00002204	kin-21	419.5	500.4	338.5	0.68	-0.56	0.00202459	0.022421678
WBGene00007777	C27D8.1	2189.4	2611.9	1766.9	0.68	-0.56	0.002019319	0.022421678
WBGene00018347	F42C5.5	956.5	1137.0	775.9	0.68	-0.55	0.002023898	0.022421678
WBGene00020765	T24C12.3	3685.6	4121.6	3249.6	0.79	-0.34	0.002023565	0.022421678
WBGene00016954	C55C3.4	535.8	630.7	440.9	0.70	-0.52	0.002026829	0.022436382
WBGene00013956	ZK265.3	4165.6	4861.7	3469.4	0.71	-0.49	0.002029758	0.02243853
WBGene00022683	ZK185.3	1375.8	1564.2	1187.3	0.76	-0.40	0.002028618	0.02243853
WBGene00017490	pud-2.1	5.6	11.2	0.0	0.00	-Inf	0.002029459	0.02243853
WBGene00011205	R10E4.9	1070.2	1220.0	920.4	0.75	-0.41	0.00203344	0.022469145
WBGene00022631	nekl-2	1076.6	1264.2	889.1	0.70	-0.51	0.002035086	0.022477244
WBGene00013388	Y62F5A.10	301.3	374.6	228.1	0.61	-0.72	0.002043649	0.022541486
WBGene00009269	F30A10.12	409.0	505.4	312.5	0.62	-0.69	0.002048204	0.022561404
WBGene00008754	F13E9.5	492.7	592.2	393.1	0.66	-0.59	0.002047396	0.022561404
WBGene00007349	C05G5.3	265.2	327.9	202.6	0.62	-0.69	0.002054079	0.022615998
WBGene00014309	F07H5.5	87971.9	97705.6	78238.3	0.80	-0.32	0.002073948	0.022824554
WBGene00012689	Y39B6A.30	1599.1	1960.1	1238.1	0.63	-0.66	0.002076941	0.022847283
WBGene00014048	ZK666.8	165.2	219.4	110.9	0.51	-0.98	0.002081454	0.022876477
WBGene00011378	T02E1.6	943.2	1159.9	726.6	0.63	-0.67	0.002085607	0.022905133
WBGene00009739	F45H10.2	7556.7	8722.2	6391.3	0.73	-0.45	0.002085922	0.022905133
WBGene00019561	K09C6.7	1755.2	2074.6	1435.9	0.69	-0.53	0.002100043	0.023029385
WBGene00010650	K08C9.1	999.2	1230.6	767.9	0.62	-0.68	0.002106732	0.023061647
WBGene00017393	nep-5	276.1	351.6	200.5	0.57	-0.81	0.002108737	0.02307333
WBGene00010204	F57F5.1	70651.2	78241.9	63060.5	0.81	-0.31	0.002111466	0.023092932
WBGene00017955	F31E8.5	1766.7	2127.4	1406.0	0.66	-0.60	0.002113502	0.023094674
WBGene00009501	F37A8.1	263.4	325.8	200.9	0.62	-0.70	0.002132426	0.023270474
WBGene00044723	K11H12.11	165.0	206.1	123.9	0.60	-0.73	0.002139247	0.02330359
WBGene00011089	kmo-1	1502.5	1832.0	1173.0	0.64	-0.64	0.002137007	0.02330359
WBGene00001154	ech-5	6651.7	7420.0	5883.4	0.79	-0.33	0.002138984	0.02330359
WBGene00015417	C04C3.7	41.9	59.1	24.6	0.42	-1.27	0.00214263	0.023330128
WBGene00020674	T22B7.7	3319.9	6057.6	582.2	0.10	-3.38	0.002146214	0.023358816
WBGene00003090	lys-1	72928.5	89185.5	56671.5	0.64	-0.65	0.002153666	0.023429565
WBGene00023067	rpl-41.1	4214.6	5013.0	3416.2	0.68	-0.55	0.002160301	0.023480995
WBGene00008850	F15B9.6	43.4	60.1	26.8	0.45	-1.17	0.002171683	0.023583888
WBGene00015810	C16A3.5	17929.2	19905.7	15952.8	0.80	-0.32	0.00217513	0.023600498
WBGene00011128	R07H5.8	79036.3	87557.4	70515.2	0.81	-0.31	0.002176969	0.02361004
WBGene00013279	Y57A10B.7	278.0	348.4	207.6	0.60	-0.75	0.002181083	0.023644245
WBGene00015097	B0273.1	1196.7	1425.3	968.0	0.68	-0.56	0.002187168	0.023699774
WBGene00077438	C18D4.10	25.8	40.3	11.3	0.28	-1.83	0.002188819	0.023707233
WBGene00019663	K11H12.7	5357.9	5972.3	4743.5	0.79	-0.33	0.002202491	0.023804675

WBGene00021880	Y54G2A.15	577.6	675.3	480.0	0.71	-0.49	0.002205544	0.023815039
WBGene00020426	T10H10.2	1176.5	1338.2	1014.7	0.76	-0.40	0.002209159	0.023822723
WBGene00019951	R08C7.8	267.2	331.1	203.2	0.61	-0.70	0.002216031	0.023875914
WBGene00000232	avr-14	607.5	699.4	515.7	0.74	-0.44	0.002221192	0.023921053
WBGene00018647	F49F1.7	455.3	535.3	375.3	0.70	-0.51	0.002227943	0.023972788
WBGene00018525	F47B3.1	252.3	319.7	184.9	0.58	-0.79	0.002235424	0.024021786
WBGene00021354	fpn-1.1	2660.1	2992.6	2327.7	0.78	-0.36	0.002237985	0.024038809
WBGene00001885	his-11	146.6	201.6	91.6	0.45	-1.14	0.002239954	0.024049464
WBGene00018134	F37A4.4	2261.0	2738.7	1783.2	0.65	-0.62	0.002241538	0.024055983
WBGene00006601	tpi-1	25852.0	28672.6	23031.4	0.80	-0.32	0.002252123	0.024159047
WBGene00019731	M02D8.5	685.5	788.6	582.4	0.74	-0.44	0.00225929	0.024220107
WBGene00015633	C09D4.2	2286.2	2570.4	2002.0	0.78	-0.36	0.002267284	0.02425826
WBGene00016217	C29F9.2	70.3	95.5	45.2	0.47	-1.08	0.002275092	0.024320668
WBGene00017717	F22F4.4	4719.4	5416.6	4022.1	0.74	-0.43	0.002280084	0.024352877
WBGene00010794	dld-1	41889.8	46436.6	37343.1	0.80	-0.31	0.00228004	0.024352877
WBGene00019431	K06A5.3	211.0	263.0	159.0	0.60	-0.73	0.002306942	0.024618381
WBGene00011478	T05D4.5	1016.7	1189.6	843.8	0.71	-0.50	0.002313291	0.024654074
WBGene00015333	slc-17.3	615.1	706.3	523.9	0.74	-0.43	0.002312473	0.024654074
WBGene00010899	M28.8	1070.8	1256.9	884.7	0.70	-0.51	0.002319383	0.024697619
WBGene00018175	F38B6.6	298.8	356.3	241.2	0.68	-0.56	0.002326766	0.024744125
WBGene00000546	clp-6	1673.9	1984.5	1363.3	0.69	-0.54	0.002325993	0.024744125
WBGene00008508	F01G10.5	804.8	967.5	642.1	0.66	-0.59	0.002340403	0.024867663
WBGene00018841	F54H5.5	815.1	949.6	680.5	0.72	-0.48	0.00235186	0.024967847
WBGene00008724	F13A7.1	2543.9	2918.1	2169.6	0.74	-0.43	0.002359043	0.025028504
WBGene00004492	rps-23	169884.2	188196.7	151571.8	0.81	-0.31	0.002359607	0.025028504
WBGene00020661	smz-2	3637.0	4300.8	2973.2	0.69	-0.53	0.002365622	0.025059919
WBGene00044636	B0393.9	1256.6	1439.6	1073.6	0.75	-0.42	0.002364782	0.025059919
WBGene00010386	H12D21.10	764.8	879.1	650.4	0.74	-0.43	0.002375763	0.0251457
WBGene00044763	ZK688.12	239.5	291.6	187.4	0.64	-0.64	0.002376886	0.025146781
WBGene00003572	ncx-7	2065.2	2418.2	1712.3	0.71	-0.50	0.002381532	0.025170409
WBGene00019730	asns-2	2230.6	2947.7	1513.4	0.51	-0.96	0.002409226	0.025409114
WBGene00018046	F35D11.5	1725.6	1943.7	1507.5	0.78	-0.37	0.00242606	0.025524432
WBGene00013858	ssp-34	2059.8	2384.8	1734.7	0.73	-0.46	0.002434784	0.025594341
WBGene00016161	C27D6.3	1275.5	1548.4	1002.6	0.65	-0.63	0.002436301	0.025599361
WBGene00014179	ZK1010.5	3519.4	4273.4	2765.4	0.65	-0.63	0.002447472	0.025702688
WBGene00004778	ser-3	825.1	938.1	712.1	0.76	-0.40	0.002448223	0.025702688
WBGene00014169	ZK945.7	3337.8	3934.3	2741.3	0.70	-0.52	0.002467189	0.025868707
WBGene00015172	B0410.3	985.6	1127.2	844.1	0.75	-0.42	0.002473172	0.025920398
WBGene00000991	dhs-28	13437.0	14918.1	11955.9	0.80	-0.32	0.002480104	0.025970935
WBGene00019263	H35B03.1	1165.9	1319.0	1012.7	0.77	-0.38	0.002486142	0.026000991
WBGene00000785	cpr-5	23349.5	26891.2	19807.7	0.74	-0.44	0.002492023	0.026040372
WBGene00007159	B0379.7	3101.8	3598.1	2605.5	0.72	-0.47	0.002521108	0.026313943
WBGene00010114	F55D12.6	738.9	858.0	619.8	0.72	-0.47	0.002524453	0.026323384
WBGene00021471	Y39G10AR.15	483.2	570.4	396.1	0.69	-0.53	0.002528243	0.026329445
WBGene00016890	lst-5	787.8	908.2	667.4	0.73	-0.44	0.002527389	0.026329445
WBGene00017063	mctp-1	2171.1	2435.4	1906.8	0.78	-0.35	0.002529465	0.026331038
WBGene00009079	F23B12.1	337.8	408.1	267.5	0.66	-0.61	0.002558652	0.026589895
WBGene00002260	lbp-8	67.5	89.8	45.3	0.50	-0.99	0.002560624	0.026599158
WBGene00005063	sra-37	32.1	47.1	17.0	0.36	-1.47	0.002570422	0.026678423
WBGene00013586	Y80D3A.8	110.7	146.4	75.0	0.51	-0.96	0.002573091	0.026683622
WBGene00012191	W02A2.8	410.1	488.7	331.4	0.68	-0.56	0.002572758	0.026683622
WBGene00013083	Y51A2D.18	3584.6	4004.5	3164.6	0.79	-0.34	0.002580063	0.026744659
WBGene00194687	F57C12.6	82.9	114.8	50.9	0.44	-1.17	0.002581375	0.026747004
WBGene00009893	F49E11.7	307.0	375.3	238.7	0.64	-0.65	0.002592053	0.026819461
WBGene00022157	Y71G12B.22	718.8	842.7	594.9	0.71	-0.50	0.002597761	0.026850603
WBGene00016292	tbc-7	2580.0	2884.7	2275.4	0.79	-0.34	0.002597918	0.026850603
WBGene00006692	twk-42	620.6	729.8	511.4	0.70	-0.51	0.00261166	0.026981305
WBGene00086554	D1081.12	597.5	719.6	475.4	0.66	-0.60	0.002615781	0.027012552
WBGene00016288	C31H1.5	1528.1	1810.4	1245.8	0.69	-0.54	0.002619786	0.027042559
WBGene00007849	tbc-19	1296.2	1460.2	1132.3	0.78	-0.37	0.002659397	0.027336821
WBGene00002827	let-653	876.8	1034.5	719.0	0.70	-0.52	0.002665052	0.027352998
WBGene00009682	msd-2	5963.5	6879.5	5047.5	0.73	-0.45	0.002665625	0.027352998
WBGene00008200	C49C3.10	936.6	1070.7	802.5	0.75	-0.42	0.002666526	0.027352998
WBGene00011864	T20F10.2	2489.3	2789.2	2189.5	0.78	-0.35	0.002665673	0.027352998
WBGene00001803	lite-1	281.1	335.5	226.7	0.68	-0.57	0.002682333	0.027492236

WBGene00219271	F36H5.14	730.5	837.9	623.2	0.74	-0.43	0.002688542	0.027540704
WBGene00014103	best-26	187.8	242.7	132.9	0.55	-0.87	0.00269143	0.027551071
WBGene00007591	zipt-13	8332.1	9271.2	7393.1	0.80	-0.33	0.002717058	0.027767223
WBGene00194864	Y66A7A.9	161.7	214.3	109.2	0.51	-0.97	0.002719587	0.027778811
WBGene00012549	Y37D8A.8	140.6	176.3	104.8	0.59	-0.75	0.002721577	0.027778811
WBGene00019133	F59H6.2	194.1	242.0	146.1	0.60	-0.73	0.002721367	0.027778811
WBGene00022754	nspd-1	2595.7	3274.0	1917.5	0.59	-0.77	0.002734931	0.027903553
WBGene00022641	ZK6.6	238.9	296.6	181.2	0.61	-0.71	0.002755034	0.02808538
WBGene00006518	bckd-1B	17710.6	19607.3	15813.9	0.81	-0.31	0.002760341	0.02812783
WBGene00013847	cls-3	1987.9	2349.6	1626.1	0.69	-0.53	0.002772622	0.028241278
WBGene00020905	T28H11.7	1420.3	1688.5	1152.1	0.68	-0.55	0.002776878	0.028269769
WBGene00022695	ZK328.6	564.6	663.1	466.2	0.70	-0.51	0.002777715	0.028269769
WBGene00006764	unc-27	69027.5	76512.1	61542.9	0.80	-0.31	0.002779475	0.028275986
WBGene00010046	F54D1.1	818.3	961.0	675.7	0.70	-0.51	0.002781531	0.028285215
WBGene00000973	dhs-9	1632.6	1846.5	1418.6	0.77	-0.38	0.002791573	0.028352196
WBGene00007117	spe-42	174.8	222.9	126.6	0.57	-0.82	0.002799698	0.028412205
WBGene00015931	C17H12.5	1303.8	1528.4	1079.1	0.71	-0.50	0.00280121	0.028412205
WBGene00004453	rpl-39	31645.1	39266.3	24023.8	0.61	-0.71	0.002813957	0.028520711
WBGene00007305	C04G2.2	766.0	911.6	620.3	0.68	-0.56	0.002834733	0.02870765
WBGene00008581	acl-13	606.6	731.1	482.1	0.66	-0.60	0.002839324	0.028718706
WBGene00021537	Y42H9AR.2	366.4	436.4	296.4	0.68	-0.56	0.002841685	0.028730778
WBGene00007455	ugt-22	16295.6	19226.8	13364.4	0.70	-0.52	0.002843494	0.028737261
WBGene00010644	K07G5.5	476.3	552.2	400.4	0.73	-0.46	0.002848412	0.028763355
WBGene00010068	F54F7.8	69.8	106.8	32.8	0.31	-1.70	0.002856166	0.028794409
WBGene00011273	R53.4	64680.2	71486.4	57874.0	0.81	-0.30	0.00286372	0.028846943
WBGene00009688	F44E5.1	13249.5	15508.3	10990.6	0.71	-0.50	0.002867447	0.028872667
WBGene00015088	B0252.3	2409.5	2704.9	2114.1	0.78	-0.36	0.002868693	0.028873408
WBGene00001782	gst-34	42.1	60.0	24.3	0.41	-1.30	0.002873843	0.028878015
WBGene00011433	pde-1	817.9	931.5	704.2	0.76	-0.40	0.002871877	0.028878015
WBGene00019682	K12H4.7	67429.6	74559.3	60299.9	0.81	-0.31	0.002879221	0.028908461
WBGene00006603	tps-2	9295.9	10718.4	7873.3	0.73	-0.45	0.002889147	0.028984475
WBGene00013452	Y67A10A.3	440.7	535.8	345.7	0.65	-0.63	0.00291706	0.029216885
WBGene00020299	T07A9.12	175.2	213.5	136.9	0.64	-0.64	0.002929982	0.029322447
WBGene00011466	T05C12.1	1100.9	1303.1	898.7	0.69	-0.54	0.002945388	0.029428776
WBGene00013304	Y57G11C.6	680.4	814.8	545.9	0.67	-0.58	0.002971269	0.029656134
WBGene00014158	ZK938.1	6688.4	7804.8	5572.0	0.71	-0.49	0.002973765	0.029657119
WBGene00012588	lips-16	240.9	288.9	192.9	0.67	-0.58	0.002977995	0.029670284
WBGene00016414	C34F11.2	626.8	728.8	524.9	0.72	-0.47	0.002999983	0.029865172
WBGene00004193	prx-3	1236.3	1395.2	1077.3	0.77	-0.37	0.003003893	0.029892017
WBGene00011015	R04F11.2	24794.2	27418.3	22170.2	0.81	-0.31	0.003007926	0.029908586
WBGene00020289	T06C10.3	773.9	921.5	626.3	0.68	-0.56	0.003009934	0.029915855
WBGene00044122	T28B8.6	322.1	388.6	255.6	0.66	-0.60	0.003016694	0.029970939
WBGene00007340	C05D12.2	1608.1	1853.8	1362.4	0.73	-0.44	0.003018337	0.029975162
WBGene00020675	T22B11.1	115.2	148.1	82.3	0.56	-0.85	0.003048971	0.030206282
WBGene00013906	ugt-5	1214.2	1386.2	1042.3	0.75	-0.41	0.003054423	0.030248121
WBGene00010181	F57A8.6	329.7	395.0	264.4	0.67	-0.58	0.003067752	0.030343507
WBGene00020397	pcbd-1	2053.8	2412.5	1695.0	0.70	-0.51	0.003069371	0.03034733
WBGene00010300	F59A1.15	400.2	476.5	323.9	0.68	-0.56	0.003079031	0.030418409
WBGene00019277	sgcb-1	535.1	617.8	452.5	0.73	-0.45	0.003081562	0.030431198
WBGene00010874	M05D6.1	154.0	194.9	113.2	0.58	-0.78	0.003104103	0.030629224
WBGene00023490	F36A2.14	1252.1	1501.5	1002.8	0.67	-0.58	0.003121026	0.030783872
WBGene00007327	C05C9.3	1167.0	1335.5	998.5	0.75	-0.42	0.00312923	0.030840078
WBGene00008741	F13D12.6	32147.5	35440.0	28854.9	0.81	-0.30	0.003147557	0.031008286
WBGene00006272	str-245	29.6	43.3	15.9	0.37	-1.44	0.003150377	0.031023652
WBGene00015495	C05E11.6	73.2	101.3	45.1	0.45	-1.17	0.003153841	0.031045345
WBGene00018123	F36H12.9	185.2	231.8	138.6	0.60	-0.74	0.003184148	0.03130613
WBGene00019332	K02F3.9	2659.9	2978.4	2341.3	0.79	-0.35	0.003190667	0.031345188
WBGene00011540	T06E6.10	1472.8	1656.5	1289.0	0.78	-0.36	0.003194527	0.031370591
WBGene00004157	pqn-75	861.4	1021.6	701.3	0.69	-0.54	0.003196965	0.031380012
WBGene00021849	Y54F10AM.5	10473.7	11623.8	9323.6	0.80	-0.32	0.003198036	0.031380012
WBGene00016875	C52D10.1	1127.6	1335.8	919.4	0.69	-0.54	0.003202792	0.031389146
WBGene00023246	C33E10.4	681.0	777.8	584.2	0.75	-0.41	0.003256077	0.03182269
WBGene00005643	srp-2	2248.2	2814.1	1682.3	0.60	-0.74	0.003294153	0.032143775
WBGene00004455	rpl-42	249.9	328.0	171.8	0.52	-0.93	0.003308073	0.032224229
WBGene00010728	K09G1.2	373.7	449.1	298.3	0.66	-0.59	0.003310251	0.032224229

WBGene00016629	C44B7.7	991.1	1142.3	839.9	0.74	-0.44	0.003307368	0.032224229
WBGene00007308	C04G2.9	16705.7	19211.0	14200.4	0.74	-0.44	0.003309267	0.032224229
WBGene00020808	clik-1	94653.9	104475.8	84831.9	0.81	-0.30	0.003309693	0.032224229
WBGene00015933	C17H12.8	5480.8	8043.9	2917.8	0.36	-1.46	0.003322127	0.032310569
WBGene00003431	msp-33	7435.6	8877.7	5993.4	0.68	-0.57	0.003323058	0.032310569
WBGene00007734	C25G4.7	208.2	259.2	157.3	0.61	-0.72	0.003325719	0.03232368
WBGene00005040	sra-14	182.9	223.1	142.6	0.64	-0.65	0.003341787	0.032428642
WBGene00016705	C46C11.2	1652.5	1857.3	1447.7	0.78	-0.36	0.003341442	0.032428642
WBGene00018206	ugt-61	1308.7	1476.8	1140.6	0.77	-0.37	0.003343522	0.032432687
WBGene00020895	T28D9.3	1178.5	1332.5	1024.5	0.77	-0.38	0.003347648	0.032450065
WBGene00009446	F35H8.1	153.6	193.8	113.3	0.58	-0.77	0.003352381	0.032467454
WBGene00011214	R10E9.2	7483.6	8929.0	6038.2	0.68	-0.56	0.003356884	0.032498278
WBGene00008725	F13A7.7	228.9	299.9	157.9	0.53	-0.93	0.003361716	0.032505438
WBGene00019151	pck-3	1391.6	1621.5	1161.7	0.72	-0.48	0.003362905	0.032505438
WBGene00011003	R04B5.5	1984.0	2386.7	1581.3	0.66	-0.59	0.003368001	0.032529152
WBGene00021370	nape-2	2186.6	2453.5	1919.7	0.78	-0.35	0.003374218	0.03256365
WBGene00020105	R148.7	1364.4	1554.1	1174.6	0.76	-0.40	0.003412914	0.032872665
WBGene00020187	gsp-4	5646.5	6589.0	4704.0	0.71	-0.49	0.003441415	0.033082471
WBGene00016061	hpo-15	14830.2	16435.0	13225.5	0.80	-0.31	0.003446989	0.033123116
WBGene00017541	F17E9.4	4999.2	5561.2	4437.1	0.80	-0.33	0.003448579	0.033125463
WBGene00010422	H32K16.2	304.2	400.8	207.7	0.52	-0.95	0.003456034	0.033158261
WBGene00018488	acs-1	38766.8	43489.0	34044.6	0.78	-0.35	0.003466251	0.033217455
WBGene00017215	F07F6.1	965.5	1169.2	761.8	0.65	-0.62	0.003470001	0.033240452
WBGene00015230	tag-344	361.3	457.1	265.4	0.58	-0.78	0.003476211	0.033286986
WBGene00019647	K11D12.7	2371.6	2651.7	2091.6	0.79	-0.34	0.003489176	0.033385159
WBGene00013868	ZC373.3	95.1	122.5	67.6	0.55	-0.86	0.003494796	0.033425944
WBGene00019563	K09C6.9	483.2	604.5	362.0	0.60	-0.74	0.003501702	0.033465997
WBGene00012634	Y38H6C.23	172.7	208.4	136.9	0.66	-0.61	0.00350643	0.033498174
WBGene00008662	F10G8.2	159.0	202.0	116.1	0.57	-0.80	0.003510405	0.033510145
WBGene00009738	hecw-1	505.7	603.7	407.8	0.68	-0.57	0.00350928	0.033510145
WBGene00013121	spe-38	50.8	71.9	29.7	0.41	-1.28	0.003521937	0.03359418
WBGene00019949	R08C7.5	668.1	813.0	523.2	0.64	-0.64	0.00352686	0.033628108
WBGene00014141	ZK899.2	3765.5	4183.5	3347.6	0.80	-0.32	0.003529946	0.033644503
WBGene00007658	pals-4	133.0	164.2	101.8	0.62	-0.69	0.003538587	0.033687733
WBGene00006056	sss-1	10515.8	12204.2	8827.3	0.72	-0.47	0.003549777	0.033781194
WBGene00019476	K07C11.3	692.3	789.8	594.8	0.75	-0.41	0.003557649	0.033832112
WBGene00002023	hsp-25	13063.3	14414.5	11712.2	0.81	-0.30	0.003560675	0.033845658
WBGene00011362	cest-1	39.1	68.2	10.1	0.15	-2.75	0.003563011	0.033854788
WBGene00019282	mps-2	914.3	1039.2	789.3	0.76	-0.40	0.003564704	0.03385781
WBGene00219590	linc-72	15.1	24.2	6.0	0.25	-2.01	0.00359186	0.033910669
WBGene00010957	nduo-6	821.0	1095.2	546.7	0.50	-1.00	0.003582208	0.033910669
WBGene00006044	ssp-16	2105.7	2543.3	1668.1	0.66	-0.61	0.003582845	0.033910669
WBGene00007269	C03C10.2	275.9	332.9	219.0	0.66	-0.60	0.003587463	0.033910669
WBGene00018465	F45E1.4	1020.0	1155.1	885.0	0.77	-0.38	0.003592308	0.033910669
WBGene00014088	ZK809.8	4961.9	5572.2	4351.5	0.78	-0.36	0.003579324	0.033910669
WBGene00044637	rft-1	921.3	1047.5	795.0	0.76	-0.40	0.003598121	0.033952523
WBGene00011446	T04F8.8	20094.2	22315.4	17872.9	0.80	-0.32	0.003606034	0.034014155
WBGene00005642	srp-1	1103.4	1263.9	942.8	0.75	-0.42	0.003627274	0.034175219
WBGene00002127	inx-5	5018.0	5567.0	4469.1	0.80	-0.32	0.003633107	0.034217085
WBGene00018035	sek-4	440.6	513.3	367.9	0.72	-0.48	0.003681492	0.034606584
WBGene00013800	Y116A8C.23	462.1	543.6	380.5	0.70	-0.51	0.00368619	0.034611099
WBGene00010488	endu-1	1810.6	2037.1	1584.2	0.78	-0.36	0.003690183	0.03462319
WBGene00007446	mboa-4	490.2	583.9	396.5	0.68	-0.56	0.00369886	0.034677169
WBGene00014054	dbt-1	22453.0	24797.7	20108.4	0.81	-0.30	0.003702331	0.034687966
WBGene00016118	C25H3.9	22816.1	25216.8	20415.3	0.81	-0.30	0.003716265	0.034734517
WBGene00016398	C34D4.2	659.4	847.9	471.0	0.56	-0.85	0.003724468	0.034797978
WBGene00015944	C18A3.7	386.3	461.7	310.9	0.67	-0.57	0.003733941	0.034873254
WBGene00003424	msp-3	4275.7	5168.8	3382.6	0.65	-0.61	0.003745338	0.034953177
WBGene00015988	C18H2.1	822.9	980.5	665.4	0.68	-0.56	0.003751111	0.034993784
WBGene00004486	rps-17	93910.4	105374.6	82446.2	0.78	-0.35	0.003784366	0.035237261
WBGene00001816	haf-6	4341.5	4821.4	3861.6	0.80	-0.32	0.003793225	0.035288096
WBGene00015049	B0218.5	315.8	378.4	253.3	0.67	-0.58	0.003808558	0.035391045
WBGene00011059	R06C1.4	9563.5	10851.5	8275.4	0.76	-0.39	0.003809508	0.035391045
WBGene00004441	rpl-27	101718.9	114471.6	88966.1	0.78	-0.36	0.003809456	0.035391045
WBGene00020840	spch-3	4767.4	5318.6	4216.2	0.79	-0.34	0.003827375	0.035518153

WBGene00017344	F10E7.2	3726.7	4158.4	3295.0	0.79	-0.34	0.003857977	0.035760367
WBGene00010336	acox-1.6	1368.9	1610.8	1127.0	0.70	-0.52	0.003862315	0.035763803
WBGene00007192	B0491.5	23614.5	26025.1	21203.8	0.81	-0.30	0.003862058	0.035763803
WBGene00012637	Y38H8A.3	2901.1	3699.9	2102.2	0.57	-0.82	0.00386435	0.03576558
WBGene00004436	rpl-24.1	139600.9	153921.0	125280.9	0.81	-0.30	0.003869714	0.035801764
WBGene00015371	C03A7.13	230.6	279.1	182.2	0.65	-0.62	0.003876301	0.035822314
WBGene00001152	ech-3	840.0	956.3	723.8	0.76	-0.40	0.003875439	0.035822314
WBGene00012379	Y1A5A.1	394.5	494.8	294.3	0.59	-0.75	0.003878839	0.035830213
WBGene00000833	cts-1	132582.0	145969.5	119194.5	0.82	-0.29	0.003880066	0.035830213
WBGene00012912	Y46G5A.22	789.2	948.7	629.6	0.66	-0.59	0.003882643	0.035840569
WBGene00021969	Y57G7A.6	2565.3	2980.4	2150.2	0.72	-0.47	0.003944602	0.036344369
WBGene00016765	C49C8.1	448.1	527.9	368.3	0.70	-0.52	0.00397317	0.036566533
WBGene00008137	sfxn-1.4	344.6	408.3	280.9	0.69	-0.54	0.003976533	0.036570138
WBGene00002052	ifa-4	8971.9	9931.7	8012.2	0.81	-0.31	0.003979888	0.036573673
WBGene00015422	C04E6.5	471.9	563.0	380.8	0.68	-0.56	0.003981678	0.036576466
WBGene00016440	gipc-1	11703.5	13512.7	9894.3	0.73	-0.45	0.003991413	0.036652215
WBGene00044634	C29E4.14	119.3	158.7	79.9	0.50	-0.99	0.004008754	0.036770315
WBGene00004033	pkc-2	8528.9	9446.6	7611.2	0.81	-0.31	0.004038795	0.036976975
WBGene00013978	ZK507.1	398.6	478.2	319.1	0.67	-0.58	0.004056318	0.037109804
WBGene00010189	F57B1.6	60.5	81.9	39.0	0.48	-1.07	0.004062145	0.037149311
WBGene00013318	Y57G11C.23	591.4	687.7	495.1	0.72	-0.47	0.004079556	0.037280846
WBGene00012295	nmat-1	511.5	586.5	436.5	0.74	-0.43	0.004098059	0.037418214
WBGene00012407	Y7A5A.1	8895.3	9908.7	7881.8	0.80	-0.33	0.004099148	0.037418214
WBGene00007610	C15H7.3	1083.8	1277.2	890.4	0.70	-0.52	0.004102727	0.03743064
WBGene00020435	T11F8.4	419.4	511.1	327.7	0.64	-0.64	0.004107372	0.037437758
WBGene00010724	K09E9.1	1396.6	1565.7	1227.5	0.78	-0.35	0.004106478	0.037437758
WBGene00045293	fbxa-175	126.4	158.7	94.1	0.59	-0.75	0.004116783	0.037509653
WBGene00021214	hasp-2	718.3	845.2	591.3	0.70	-0.52	0.004124433	0.037551563
WBGene00019592	K09F6.9	1094.9	1242.4	947.4	0.76	-0.39	0.004147861	0.037736955
WBGene00012252	W04E12.7	667.6	767.9	567.4	0.74	-0.44	0.00417048	0.037842353
WBGene00000761	coq-1	6725.9	7439.8	6012.1	0.81	-0.31	0.004177	0.037876081
WBGene00018850	gpx-8	162.5	206.7	118.2	0.57	-0.81	0.004195092	0.037998151
WBGene00010324	F59C6.3	252.3	310.2	194.3	0.63	-0.67	0.0041936	0.037998151
WBGene00012162	sek-6	263.4	314.5	212.2	0.67	-0.57	0.004215314	0.038143156
WBGene00018435	btb-9	623.8	714.6	533.1	0.75	-0.42	0.004224736	0.038210428
WBGene00018036	F35C8.5	4370.2	4927.2	3813.2	0.77	-0.37	0.004233051	0.038257521
WBGene00007724	C25F9.4	799.1	943.5	654.7	0.69	-0.53	0.004236783	0.038277192
WBGene00008306	C54E10.1	6.8	11.7	1.9	0.16	-2.65	0.004244611	0.038305747
WBGene00007200	vamp-8	345.4	405.7	285.0	0.70	-0.51	0.004242281	0.038305747
WBGene00023519	Y60A3A.24	210.3	262.6	158.0	0.60	-0.73	0.004249813	0.038329507
WBGene00017737	F23C8.8	376.0	443.9	308.1	0.69	-0.53	0.004255004	0.038357362
WBGene00001414	fer-1	969.6	1196.4	742.7	0.62	-0.69	0.004263623	0.038420989
WBGene00013975	ZK455.5	193.9	235.7	152.1	0.65	-0.63	0.004272194	0.038458467
WBGene00014030	glb-1	1031.5	1230.8	832.2	0.68	-0.56	0.004272469	0.038458467
WBGene00011088	kmo-2	436.2	512.5	359.9	0.70	-0.51	0.004286065	0.038524514
WBGene00194700	B0025.5	752.3	884.7	619.9	0.70	-0.51	0.004289309	0.038537666
WBGene00007209	BE10.1	727.0	838.8	615.2	0.73	-0.45	0.004334174	0.038843475
WBGene00011180	R09H10.2	177.2	217.3	137.1	0.63	-0.66	0.004346098	0.038918752
WBGene00015592	C08D8.1	79.7	102.7	56.8	0.55	-0.85	0.004359059	0.039009693
WBGene00077685	C04F12.12	271.1	330.9	211.3	0.64	-0.65	0.004362269	0.039010059
WBGene00023263	D1005.t1	112.6	152.6	72.6	0.48	-1.07	0.004364908	0.039013346
WBGene00021133	tomm-22	4556.8	5040.5	4073.0	0.81	-0.31	0.00436965	0.039033532
WBGene00000179	aqp-11	6781.3	7500.9	6061.8	0.81	-0.31	0.004411539	0.039336354
WBGene00021322	Y34B4A.6	15683.3	17941.6	13425.1	0.75	-0.42	0.004417327	0.039373705
WBGene00235165	Y47D7A.18	11.0	20.4	1.6	0.08	-3.70	0.004421652	0.039383742
WBGene00013087	Y51B9A.5	428.6	501.7	355.6	0.71	-0.50	0.00443017	0.039445333
WBGene00007180	B0457.6	1722.4	1926.7	1518.1	0.79	-0.34	0.004451434	0.039606017
WBGene00017647	F20H11.4	1206.9	1369.6	1044.2	0.76	-0.39	0.004467451	0.039719819
WBGene00009549	F38H4.5	340.6	405.2	276.0	0.68	-0.55	0.004527631	0.040138906
WBGene00017428	F13D11.3	384.7	446.1	323.4	0.72	-0.46	0.004527378	0.040138906
WBGene00019216	H20J04.1	428.4	535.1	321.8	0.60	-0.73	0.004541129	0.040217863
WBGene00010811	hmit-1.3	3918.2	4509.7	3326.7	0.74	-0.44	0.004541438	0.040217863
WBGene00014085	ZK809.1	336.8	404.8	268.9	0.66	-0.59	0.004557696	0.040324873
WBGene00010055	F54D5.12	19425.4	21431.3	17419.4	0.81	-0.30	0.004560073	0.040324873
WBGene00010701	ent-2	14449.8	15911.2	12988.3	0.82	-0.29	0.004559768	0.040324873

WBGene00001455	flp-12	579.3	692.3	466.3	0.67	-0.57	0.004580268	0.04044534
WBGene00022867	ZK1240.2	943.8	1083.7	803.9	0.74	-0.43	0.004607335	0.040640625
WBGene00013822	Y116F11B.6	144.9	181.2	108.5	0.60	-0.74	0.004645998	0.040923012
WBGene00010611	K07A1.4	591.9	730.1	453.7	0.62	-0.69	0.004643862	0.040923012
WBGene00007987	C36H8.1	2250.1	2710.9	1789.4	0.66	-0.60	0.004644826	0.040923012
WBGene00016605	C43E11.5	873.9	1025.4	722.4	0.70	-0.51	0.00466517	0.041047831
WBGene00019834	R02F2.5	84.3	112.9	55.7	0.49	-1.02	0.004699283	0.041274224
WBGene00008577	F08G2.5	207.7	262.0	153.5	0.59	-0.77	0.004709726	0.041351195
WBGene00008950	wht-5	1028.8	1242.2	815.3	0.66	-0.61	0.004719623	0.041423316
WBGene00003934	pat-10	88376.9	97486.7	79267.1	0.81	-0.30	0.004745547	0.041591534
WBGene00016327	C32E12.1	1646.1	1985.4	1306.8	0.66	-0.60	0.004750104	0.041616661
WBGene00019183	npr-30	166.2	204.6	127.8	0.62	-0.68	0.004771616	0.041745706
WBGene00012786	Y43C5B.3	1757.8	2084.6	1431.1	0.69	-0.54	0.004769923	0.041745706
WBGene00016542	C39H7.4	2674.2	2980.2	2368.2	0.79	-0.33	0.004775386	0.041749014
WBGene00021637	Y47G6A.7	2391.2	2668.2	2114.2	0.79	-0.34	0.00477834	0.041760011
WBGene00019550	K09C4.5	473.1	781.6	164.5	0.21	-2.25	0.004791882	0.041863502
WBGene00008272	C53B4.2	160.7	218.3	103.1	0.47	-1.08	0.004822268	0.042039449
WBGene00010597	K06A4.7	3715.5	4506.3	2924.8	0.65	-0.62	0.004818438	0.042039449
WBGene00012925	wht-8	1027.9	1220.7	835.1	0.68	-0.55	0.004820375	0.042039449
WBGene00001791	gst-43	664.5	757.8	571.2	0.75	-0.41	0.004818736	0.042039449
WBGene00004908	snf-9	3679.6	4085.8	3273.3	0.80	-0.32	0.004836092	0.042118178
WBGene00014127	ZK892.3	577.2	676.0	478.5	0.71	-0.50	0.00484509	0.042175444
WBGene00007751	C26G2.2	3658.6	4167.1	3150.1	0.76	-0.40	0.004846433	0.042175444
WBGene00010991	R03D7.5	189.9	235.4	144.3	0.61	-0.71	0.004855587	0.042240172
WBGene00015348	C02F5.5	1858.3	2151.3	1565.4	0.73	-0.46	0.004874976	0.042378892
WBGene00022778	ZK616.8	289.3	353.2	225.4	0.64	-0.65	0.004894438	0.042503059
WBGene00050879	D1081.11	74.9	103.9	45.9	0.44	-1.18	0.004912833	0.042617705
WBGene00016181	C28C12.11	766.6	928.6	604.6	0.65	-0.62	0.004934028	0.04275637
WBGene00016461	C35E7.9	1010.0	1228.5	791.5	0.64	-0.63	0.00494509	0.04280634
WBGene00012018	T25C12.3	91231.4	102738.2	79724.6	0.78	-0.37	0.004945894	0.04280634
WBGene00010491	K02B7.3	1480.3	1662.7	1297.9	0.78	-0.36	0.004964	0.042925437
WBGene00022146	Y71G12B.6	2371.8	2647.3	2096.3	0.79	-0.34	0.004972993	0.042973012
WBGene00013815	Y116A8C.44	24.2	44.5	3.9	0.09	-3.53	0.004993235	0.043087439
WBGene00010803	M01B2.10	362.4	423.4	301.4	0.71	-0.49	0.004999318	0.043124814
WBGene00010368	H06A10.1	1795.3	2002.6	1588.1	0.79	-0.33	0.005003042	0.043126715
WBGene00017354	F10E9.2	363.5	432.1	294.9	0.68	-0.55	0.005008336	0.043157234
WBGene00006918	vha-9	14920.7	16407.6	13433.7	0.82	-0.29	0.005055516	0.04351809
WBGene00219660	linc-19	50.2	68.2	32.2	0.47	-1.08	0.00506506	0.043569779
WBGene00019425	K06A1.2	299.7	371.6	227.8	0.61	-0.71	0.005067858	0.043578624
WBGene00020003	R11E3.1	1438.8	1634.6	1243.1	0.76	-0.39	0.005077141	0.043627971
WBGene00013094	Y51H1A.3	12525.2	14038.5	11012.0	0.78	-0.35	0.005111721	0.043833319
WBGene00022589	ZC317.6	562.0	658.7	465.3	0.71	-0.50	0.005120595	0.043894123
WBGene00015186	misc-1	7678.6	8475.2	6882.0	0.81	-0.30	0.005127004	0.04391848
WBGene00004450	rpl-36	70149.8	77151.7	63147.9	0.82	-0.29	0.005136493	0.043953884
WBGene00016193	C28H8.2	77.9	102.8	52.9	0.51	-0.96	0.005155652	0.044102501
WBGene00019260	H34I24.1	391.1	460.3	321.9	0.70	-0.52	0.00519022	0.044351966
WBGene00009635	F42F12.3	1173.2	1319.6	1026.8	0.78	-0.36	0.005201886	0.044430161
WBGene00013810	Y116A8C.37	58.4	80.4	36.3	0.45	-1.15	0.005209147	0.044451719
WBGene00018755	bcmo-2	539.7	648.3	431.1	0.66	-0.59	0.005210767	0.044451719
WBGene00017964	F31F7.1	7837.3	8607.7	7066.9	0.82	-0.28	0.005222407	0.044523235
WBGene00008167	acox-1.5	6167.8	7350.9	4984.7	0.68	-0.56	0.005237591	0.044601955
WBGene00012180	W01D2.3	443.2	527.2	359.2	0.68	-0.55	0.0052502	0.044678423
WBGene00015767	hex-2	3801.4	4224.6	3378.2	0.80	-0.32	0.005258887	0.044736885
WBGene00013657	Y105C5B.18	526.0	611.3	440.7	0.72	-0.47	0.005267973	0.044798697
WBGene00185097	C49C3.20	72.3	95.8	48.8	0.51	-0.97	0.005282222	0.044888858
WBGene00018122	ttbk-2	394.0	463.2	324.8	0.70	-0.51	0.005320576	0.04509028
WBGene00007197	B0513.5	5189.0	5730.7	4647.3	0.81	-0.30	0.005370379	0.045465391
WBGene00011749	ssp-36	86.9	115.5	58.3	0.50	-0.99	0.005390087	0.045585211
WBGene00008567	acox-1.4	4122.9	5194.3	3051.4	0.59	-0.77	0.005396114	0.045612893
WBGene00017910	F28H1.5	172.5	214.9	130.1	0.61	-0.72	0.005407004	0.045649871
WBGene00015331	C02B10.6	167.7	212.4	123.0	0.58	-0.79	0.005410178	0.045657036
WBGene00044445	C02F5.14	452.6	526.7	378.4	0.72	-0.48	0.0054148	0.045668712
WBGene00011171	R09E10.1	518.6	655.1	382.1	0.58	-0.78	0.005419874	0.045695852
WBGene00010323	dhhc-12	225.7	285.1	166.3	0.58	-0.78	0.005440464	0.045853746
WBGene00016680	C45G9.9	1615.9	1908.4	1323.4	0.69	-0.53	0.005443948	0.045867405

WBGene00017536	F17A9.4	3871.0	4324.5	3417.6	0.79	-0.34	0.005461819	0.045970775
WBGene00019977	fpn-1.2	1228.7	1463.8	993.5	0.68	-0.56	0.005468542	0.04601163
WBGene00020139	T01B11.2	11234.5	13262.8	9206.2	0.69	-0.53	0.005489366	0.046139538
WBGene00010651	K08C9.2	2642.5	3043.0	2242.0	0.74	-0.44	0.005499479	0.046145769
WBGene00018361	F42G8.10	12515.7	13797.1	11234.2	0.81	-0.30	0.005514538	0.046240601
WBGene00018249	F40H3.1	2691.0	2979.0	2403.0	0.81	-0.31	0.00552656	0.046278361
WBGene00012784	Y43C5A.4	302.1	373.8	230.3	0.62	-0.70	0.005542416	0.046369624
WBGene00001303	emo-1	24425.6	26860.7	21990.6	0.82	-0.29	0.005543109	0.046369624
WBGene00017279	F09C12.8	972.7	1157.5	787.9	0.68	-0.55	0.005579813	0.046603332
WBGene00017640	F20D6.11	2253.7	2509.1	1998.2	0.80	-0.33	0.005580512	0.046603332
WBGene00004432	rpl-20	123217.7	134993.4	111442.0	0.83	-0.28	0.005605943	0.046768118
WBGene00016358	C33F10.12	1831.4	2123.8	1539.0	0.72	-0.46	0.005611755	0.046800745
WBGene00012627	Y38H6C.15	212.3	264.0	160.7	0.61	-0.72	0.005618873	0.04682061
WBGene00016614	trpp-12	2245.4	2762.5	1728.3	0.63	-0.68	0.005619843	0.04682061
WBGene00010574	K04H4.5	2397.2	2801.0	1993.5	0.71	-0.49	0.005616092	0.04682061
WBGene00003607	nhr-8	2515.7	2884.2	2147.2	0.74	-0.43	0.005641745	0.046987188
WBGene00045397	Y54G2A.52	290.9	342.8	239.0	0.70	-0.52	0.005660048	0.047123678
WBGene00010745	dod-17	2772.5	3263.5	2281.4	0.70	-0.52	0.005711706	0.047489528
WBGene00008768	F13G3.10	3017.2	3378.9	2655.5	0.79	-0.35	0.005715097	0.047501675
WBGene00014156	ZK930.6	165.9	205.9	125.9	0.61	-0.71	0.005722619	0.047516073
WBGene00018241	F40G9.5	338.1	405.9	270.4	0.67	-0.59	0.005721879	0.047516073
WBGene00022104	acsd-1	714.2	815.8	612.7	0.75	-0.41	0.005721	0.047516073
WBGene00195370	F29B9.13	3.9	7.5	0.3	0.05	-4.47	0.005729906	0.047560541
WBGene00015391	sdha-1	21101.4	23181.7	19021.1	0.82	-0.29	0.005738759	0.047617964
WBGene00007461	C08F11.14	164.1	216.5	111.6	0.52	-0.96	0.005744871	0.04764606
WBGene00018851	F55A3.6	106.3	136.8	75.7	0.55	-0.85	0.005751821	0.04764606
WBGene00013085	mpz-6	283.8	351.2	216.4	0.62	-0.70	0.00575141	0.04764606
WBGene00004890	smp-2	3873.8	4457.4	3290.1	0.74	-0.44	0.005749718	0.04764606
WBGene00000116	alh-10	2685.0	2985.0	2385.0	0.80	-0.32	0.005763917	0.047730199
WBGene00015684	C10G8.8	9439.1	10424.5	8453.6	0.81	-0.30	0.005769449	0.047759944
WBGene00016287	C31H1.2	50.8	71.4	30.3	0.42	-1.24	0.005780085	0.047831904
WBGene00008312	C54G4.2	608.2	745.6	470.8	0.63	-0.66	0.00579134	0.047908937
WBGene00014922	Y57G11B.4	28.6	43.4	13.7	0.31	-1.67	0.005803316	0.047971959
WBGene00013955	kri-1	284.6	346.3	222.9	0.64	-0.64	0.005803047	0.047971959
WBGene00020693	lron-8	1929.5	2150.3	1708.7	0.79	-0.33	0.005804804	0.047971959
WBGene00015026	B0207.1	387.3	519.0	255.5	0.49	-1.02	0.005819785	0.048079628
WBGene00009158	F26E4.3	3290.6	3638.5	2942.6	0.81	-0.31	0.005824764	0.048104616
WBGene00007649	C17G1.2	2542.2	2819.0	2265.4	0.80	-0.32	0.00585251	0.048285168
WBGene00019572	K09E2.3	5310.2	5865.9	4754.5	0.81	-0.30	0.005852007	0.048285168
WBGene00194664	K09E9.7	32.1	46.1	18.0	0.39	-1.35	0.005876046	0.048446875
WBGene00016357	C33F10.11	2810.5	3398.8	2222.2	0.65	-0.61	0.005895599	0.048555803
WBGene00008486	ugt-44	4564.4	5473.4	3655.5	0.67	-0.58	0.005896737	0.048555803
WBGene00010970	glb-20	383.9	454.5	313.3	0.69	-0.54	0.00591783	0.048677263
WBGene00019262	dmsr-12	4.7	8.4	0.9	0.11	-3.18	0.00594077	0.04883333
WBGene00002139	inx-17	1911.3	2129.7	1692.9	0.79	-0.33	0.005960818	0.048920398
WBGene00016018	C23H3.2	9355.2	10287.8	8422.6	0.82	-0.29	0.005960016	0.048920398
WBGene00020985	W03D8.2	407.1	492.1	322.1	0.65	-0.61	0.005970813	0.048965841
WBGene00019456	K06H7.2	624.1	710.3	538.0	0.76	-0.40	0.005983006	0.049049492
WBGene00007944	C34F6.10	4721.9	5211.5	4232.3	0.81	-0.30	0.005994204	0.049108585
WBGene00007993	idhb-1	13136.4	14432.9	11839.9	0.82	-0.29	0.006001469	0.049135403
WBGene00009454	F36A2.7	40550.3	44547.5	36553.0	0.82	-0.29	0.006006986	0.049164223
WBGene00002186	kel-10	2388.6	2903.4	1873.7	0.65	-0.63	0.006019686	0.049219081
WBGene00001328	epi-1	40110.2	44035.7	36184.7	0.82	-0.28	0.006018893	0.049219081
WBGene00001790	gst-42	3450.7	3821.1	3080.3	0.81	-0.31	0.006060217	0.049451936
WBGene00011322	irld-14	366.0	469.4	262.6	0.56	-0.84	0.006069046	0.049491173
WBGene00007631	wht-3	181.1	229.5	132.7	0.58	-0.79	0.00607639	0.049518256
WBGene00077521	maf-1	316.6	401.7	231.5	0.58	-0.80	0.006079328	0.049519462
WBGene00007924	rsu-1	5537.9	6115.3	4960.5	0.81	-0.30	0.006085425	0.049537143
WBGene00020659	T21G5.1	887.6	1023.8	751.4	0.73	-0.45	0.006093445	0.04955881
WBGene00021531	Y42G9A.1	369.2	432.4	306.0	0.71	-0.50	0.006114628	0.04968186
WBGene00009753	scrm-6	492.7	579.0	406.3	0.70	-0.51	0.006130295	0.049776296
WBGene00019320	K02E10.6	160.1	194.2	125.9	0.65	-0.63	0.006140363	0.049808835
WBGene00019165	mpz-4	750.1	878.4	621.8	0.71	-0.50	0.006156696	0.049907823
WBGene00015122	B0302.5	1797.9	2006.0	1589.8	0.79	-0.34	0.006169233	0.049977083

Table S2E. Genes downregulated in *ttr-1;daf-16 mutants* compared to *ttr-1*.

WormBase Gene ID	Public Name	baseMean	baseMeanA	baseMeanB	FC	log2FC	pval	padj
WBGene00016325	C32E8.9	979.1	1780.3	177.9	0.10	-3.32	6.25E-115	1.47E-110
WBGene00018647	F49F1.7	296.3	517.3	75.2	0.15	-2.78	1.45E-45	8.55E-42
WBGene00011979	T24B8.5	1631.5	2758.7	504.4	0.18	-2.45	6.21E-44	2.92E-40
WBGene00010128	F55G11.8	1158.1	1760.4	555.8	0.32	-1.66	2.83E-36	9.51E-33
WBGene00017246	F08D12.2	303.4	499.8	106.9	0.21	-2.22	4.04E-30	1.06E-26
WBGene00015052	clec-52	1034.7	1565.6	503.7	0.32	-1.64	4.67E-24	9.99E-21
WBGene00021233	Y19D10B.4	139.6	273.1	6.1	0.02	-5.48	1.46E-20	2.86E-17
WBGene00017060	D2063.1	53.5	99.6	7.4	0.07	-3.75	1.19E-18	2.01E-15
WBGene00018646	mul-1	127.3	223.6	31.0	0.14	-2.85	7.64E-18	1.12E-14
WBGene00010125	dod-22	392.6	643.4	141.9	0.22	-2.18	5.57E-15	6.90E-12
WBGene00019619	asp-14	11713.5	16337.7	7089.3	0.43	-1.20	8.72E-15	1.03E-11
WBGene00008152	C47E12.9	43.7	81.8	5.6	0.07	-3.87	3.69E-14	3.95E-11
WBGene00016006	fln-2	17834.1	24297.2	11370.9	0.47	-1.10	4.93E-14	5.04E-11
WBGene00016097	C25E10.8	510.9	703.8	318.0	0.45	-1.15	4.39E-13	4.05E-10
WBGene00002263	lea-1	47403.1	61654.1	33152.1	0.54	-0.90	1.20E-12	9.73E-10
WBGene00013481	Y69H2.3	10467.2	13158.6	7775.7	0.59	-0.76	1.19E-12	9.73E-10
WBGene00011172	R09E10.2	331.6	458.7	204.5	0.45	-1.17	1.48E-12	1.16E-09
WBGene00021583	clec-72	234.3	335.5	133.1	0.40	-1.33	3.12E-12	2.37E-09
WBGene00007885	ugt-21	534.8	726.1	343.4	0.47	-1.08	5.54E-12	3.95E-09
WBGene00009754	F46A9.1	172.6	285.8	59.4	0.21	-2.27	7.62E-12	4.88E-09
WBGene00013602	Y87G2A.16	155.1	236.1	74.2	0.31	-1.67	7.68E-12	4.88E-09
WBGene00019105	asp-8	758.2	1094.7	421.6	0.39	-1.38	8.95E-12	5.47E-09
WBGene00018516	tag-257	1306.5	1690.3	922.7	0.55	-0.87	9.08E-12	5.47E-09
WBGene00015236	B0511.11	1603.5	2040.2	1166.9	0.57	-0.81	2.50E-11	1.47E-08
WBGene00012727	Y39G8B.7	94.4	145.8	43.1	0.30	-1.76	3.34E-11	1.92E-08
WBGene00008477	clec-17	111.8	171.4	52.2	0.30	-1.72	2.68E-10	1.50E-07
WBGene00019783	M70.1	333.8	460.9	206.7	0.45	-1.16	3.06E-10	1.67E-07
WBGene00010064	F54F7.2	1452.9	1841.7	1064.0	0.58	-0.79	3.69E-10	1.98E-07
WBGene00010123	F55G11.2	853.7	1216.8	490.6	0.40	-1.31	7.21E-10	3.69E-07
WBGene00017647	F20H11.4	587.0	750.7	423.3	0.56	-0.83	3.83E-09	1.84E-06
WBGene00019961	R08E5.1	269.6	373.1	166.2	0.45	-1.17	4.47E-09	2.06E-06
WBGene00020394	T10B5.8	507.3	663.6	351.1	0.53	-0.92	6.11E-09	2.77E-06
WBGene00009695	F44F1.3	355.0	463.0	246.9	0.53	-0.91	9.88E-09	4.15E-06
WBGene00010933	M162.7	397.6	509.0	286.2	0.56	-0.83	9.67E-09	4.15E-06
WBGene00004000	pgp-6	589.7	919.0	260.4	0.28	-1.82	1.01E-08	4.17E-06
WBGene00001500	ftn-1	96.2	150.7	41.7	0.28	-1.85	1.40E-08	5.58E-06
WBGene00017082	DC2.5	1284.4	1642.0	926.8	0.56	-0.83	1.63E-08	6.38E-06
WBGene00008965	mltn-10	739.8	1101.4	378.2	0.34	-1.54	2.15E-08	8.17E-06
WBGene00006861	cal-5	7432.9	8916.7	5949.2	0.67	-0.58	2.63E-08	9.82E-06
WBGene00013516	Y73F4A.3	468.1	608.6	327.7	0.54	-0.89	3.12E-08	1.15E-05
WBGene00006677	twk-24	746.1	945.8	546.3	0.58	-0.79	4.31E-08	1.56E-05
WBGene00194746	pals-20	13.7	26.0	1.3	0.05	-4.28	4.84E-08	1.73E-05
WBGene00009893	F49E11.7	141.1	198.4	83.7	0.42	-1.25	5.14E-08	1.81E-05
WBGene00018645	F49F1.5	399.2	585.3	213.0	0.36	-1.46	7.48E-08	2.59E-05
WBGene00011042	R05H10.1	104.5	154.3	54.7	0.35	-1.50	7.61E-08	2.60E-05
WBGene00021386	Y37F4.5	185.5	250.8	120.2	0.48	-1.06	1.29E-07	4.04E-05
WBGene00017975	F32B5.1	460.2	571.6	348.8	0.61	-0.71	1.28E-07	4.04E-05
WBGene00000002	aat-1	514.6	655.9	373.3	0.57	-0.81	1.47E-07	4.56E-05
WBGene00012491	Y20C6A.1	191.9	283.7	100.2	0.35	-1.50	1.55E-07	4.60E-05
WBGene00011285	ttr-28	98.6	144.6	52.7	0.36	-1.46	1.57E-07	4.60E-05
WBGene00005602	srj-14	201.2	277.3	125.0	0.45	-1.15	1.55E-07	4.60E-05
WBGene00010510	ent-3	569.3	743.1	395.4	0.53	-0.91	1.61E-07	4.68E-05
WBGene00010960	atp-6	35685.7	51218.5	20152.8	0.39	-1.35	1.82E-07	5.15E-05
WBGene00008333	C55A6.4	961.6	1189.0	734.2	0.62	-0.70	1.80E-07	5.15E-05
WBGene00010703	K09A9.6	3407.0	4082.7	2731.3	0.67	-0.58	2.10E-07	5.89E-05
WBGene00006416	sams-5	1629.9	2245.8	1013.9	0.45	-1.15	2.51E-07	6.94E-05
WBGene00010593	gsnl-1	3539.6	4258.1	2821.1	0.66	-0.59	2.66E-07	7.29E-05
WBGene00017673	icmt-1	139.4	212.9	65.9	0.31	-1.69	2.80E-07	7.58E-05
WBGene00022780	ZK622.1	226.4	295.4	157.3	0.53	-0.91	3.34E-07	8.94E-05
WBGene00022888	rnh-1.1	430.2	589.0	271.4	0.46	-1.12	3.78E-07	9.98E-05
WBGene00021969	Y57G7A.6	1001.4	1284.9	718.0	0.56	-0.84	4.34E-07	0.000113481
WBGene00018081	F36A4.2	37.1	57.8	16.4	0.28	-1.82	4.59E-07	0.000118585

WBGene00003778	nnt-1	164.6	233.9	95.3	0.41	-1.30	5.05E-07	0.000126431
WBGene00018643	drd-50	363.7	602.1	125.2	0.21	-2.27	5.27E-07	0.000130398
WBGene00019248	H27M09.5	265.7	343.2	188.2	0.55	-0.87	6.11E-07	0.000149686
WBGene00009430	F35E12.6	7771.1	9202.2	6339.9	0.69	-0.54	6.20E-07	0.000150452
WBGene00020531	T15B12.2	299.2	385.9	212.5	0.55	-0.86	6.33E-07	0.000151897
WBGene00020343	acs-3	626.2	785.7	466.7	0.59	-0.75	6.40E-07	0.000151915
WBGene00001693	grd-4	124.6	175.2	74.0	0.42	-1.24	8.78E-07	0.000203391
WBGene00012199	mltn-3	87.1	126.6	47.5	0.37	-1.42	9.04E-07	0.00020451
WBGene00017059	msrp-5	317.6	420.7	214.5	0.51	-0.97	9.01E-07	0.00020451
WBGene00012252	W04E12.7	516.0	645.1	386.8	0.60	-0.74	1.13E-06	0.000251348
WBGene00010111	F55D12.2	2616.6	3118.4	2114.9	0.68	-0.56	1.16E-06	0.000254806
WBGene00020414	T10E9.4	2879.4	3555.9	2203.0	0.62	-0.69	1.22E-06	0.000266659
WBGene00011736	T12D8.9	10891.0	12826.1	8955.9	0.70	-0.52	1.45E-06	0.000307109
WBGene00015994	C18H7.4	357.3	459.9	254.7	0.55	-0.85	1.97E-06	0.000410087
WBGene00016612	C43G2.3	349.8	438.7	260.9	0.59	-0.75	2.04E-06	0.000420745
WBGene00077563	peel-1	89.5	125.2	53.7	0.43	-1.22	2.18E-06	0.000446072
WBGene00015619	C08G9.1	869.7	1060.2	679.2	0.64	-0.64	2.44E-06	0.00048985
WBGene00000708	col-135	1272.2	2099.4	445.1	0.21	-2.24	2.64E-06	0.000521518
WBGene00007248	catp-4	2314.4	2939.5	1689.3	0.57	-0.80	2.63E-06	0.000521518
WBGene00012046	T26E4.4	16.0	30.0	2.1	0.07	-3.86	2.83E-06	0.000545292
WBGene00007335	C05C12.1	256.2	330.1	182.3	0.55	-0.86	2.81E-06	0.000545292
WBGene00021230	Y19D10B.1	22.6	42.0	3.2	0.08	-3.71	2.88E-06	0.000550328
WBGene00017032	D1044.7	100.8	153.3	48.4	0.32	-1.66	2.95E-06	0.000558828
WBGene00008074	nkb-2	629.8	801.0	458.7	0.57	-0.80	3.19E-06	0.000599932
WBGene00009956	F53B2.5	276.3	360.8	191.8	0.53	-0.91	3.40E-06	0.000628842
WBGene00006053	ssq-4	6833.8	8018.8	5648.8	0.70	-0.51	3.42E-06	0.000628842
WBGene00015306	C01G5.4	287.1	373.4	200.8	0.54	-0.89	3.87E-06	0.000706369
WBGene00014089	ZK822.1	258.0	343.6	172.4	0.50	-0.99	4.03E-06	0.000729904
WBGene00009959	F53B6.4	2986.0	3574.8	2397.2	0.67	-0.58	4.45E-06	0.000798977
WBGene00016288	C31H1.5	627.7	802.1	453.4	0.57	-0.82	4.51E-06	0.000803103
WBGene00020938	clec-218	1404.7	2029.1	780.3	0.38	-1.38	4.68E-06	0.000821574
WBGene00022090	Y69A2AR.19	1685.1	2103.3	1266.8	0.60	-0.73	4.93E-06	0.000858363
WBGene00004966	spe-12	217.9	282.9	152.9	0.54	-0.89	4.99E-06	0.000863639
WBGene00022085	Y69A2AR.14	118.3	157.8	78.8	0.50	-1.00	5.03E-06	0.000863946
WBGene00013452	Y67A10A.3	176.0	234.0	118.1	0.50	-0.99	5.09E-06	0.0008679
WBGene00020840	spch-3	2056.8	2445.1	1668.4	0.68	-0.55	5.16E-06	0.00087296
WBGene00010900	M28.9	1250.8	1536.4	965.1	0.63	-0.67	5.33E-06	0.000896055
WBGene00021787	Y51H7C.9	386.9	478.5	295.2	0.62	-0.70	5.58E-06	0.00092383
WBGene00014121	ZK858.8	469.3	586.4	352.2	0.60	-0.74	5.81E-06	0.000956437
WBGene00011763	T14B1.1	870.6	1121.5	619.6	0.55	-0.86	5.93E-06	0.000968064
WBGene00012679	Y39B6A.18	52.9	75.8	30.0	0.40	-1.34	6.01E-06	0.000968414
WBGene00023424	C53D6.10	299.4	389.5	209.3	0.54	-0.90	5.99E-06	0.000968414
WBGene00007807	C29F3.7	6614.6	8239.2	4990.0	0.61	-0.72	6.18E-06	0.000983088
WBGene00016266	idhg-2	3102.4	3652.4	2552.4	0.70	-0.52	6.16E-06	0.000983088
WBGene00019950	clec-175	165.8	218.2	113.3	0.52	-0.95	6.40E-06	0.001010845
WBGene00004972	spe-26	520.7	642.0	399.4	0.62	-0.68	6.45E-06	0.001011762
WBGene00014029	ZK637.12	358.6	457.9	259.3	0.57	-0.82	7.37E-06	0.001132645
WBGene00007159	B0379.7	1398.2	1726.5	1069.8	0.62	-0.69	7.51E-06	0.001148081
WBGene00018119	F36H12.3	347.6	472.3	222.8	0.47	-1.08	8.18E-06	0.001242233
WBGene00008661	F10G8.1	196.8	250.5	143.2	0.57	-0.81	8.60E-06	0.0012975
WBGene00015287	osta-1	86.9	119.8	54.0	0.45	-1.15	8.92E-06	0.001336755
WBGene00016577	clec-3	133.1	207.3	58.9	0.28	-1.82	9.71E-06	0.001446183
WBGene00011539	fbxa-135	11.1	20.5	1.8	0.09	-3.54	1.00E-05	0.001451809
WBGene00013887	nspa-5	79.9	136.8	22.9	0.17	-2.58	9.98E-06	0.001451809
WBGene00011495	T05F1.11	205.4	266.0	144.7	0.54	-0.88	9.98E-06	0.001451809
WBGene00006608	tre-2	10018.4	11610.3	8426.4	0.73	-0.46	1.01E-05	0.001451809
WBGene00012731	Y39G8C.2	48.9	71.9	26.0	0.36	-1.47	1.03E-05	0.001462826
WBGene00007890	C33A12.19	1406.6	1847.2	966.1	0.52	-0.94	1.03E-05	0.001462826
WBGene00012357	W09D6.4	337.3	420.0	254.5	0.61	-0.72	1.06E-05	0.001489515
WBGene00010962	ctc-3	97450.9	116129.0	78772.8	0.68	-0.56	1.15E-05	0.001599534
WBGene00008063	C41G7.6	642.3	865.9	418.7	0.48	-1.05	1.16E-05	0.001603295
WBGene00011968	T23G11.1	1252.9	1567.0	938.9	0.60	-0.74	1.20E-05	0.001651111
WBGene00020659	T21G5.1	408.3	509.2	307.4	0.60	-0.73	1.24E-05	0.001683182
WBGene00020003	R11E3.1	687.7	833.1	542.3	0.65	-0.62	1.27E-05	0.001711169
WBGene00006663	twk-8	1368.6	1618.7	1118.4	0.69	-0.53	1.27E-05	0.001711169

WBGene00000646	H17B01.2	152.2	234.3	70.0	0.30	-1.74	1.30E-05	0.001740798
WBGene00016440	gipc-1	5523.3	6773.0	4273.5	0.63	-0.66	1.35E-05	0.001780304
WBGene00011869	dod-6	2947.4	3722.1	2172.7	0.58	-0.78	1.36E-05	0.001782284
WBGene00012249	W04E12.4	58.6	83.2	34.0	0.41	-1.29	1.41E-05	0.001848808
WBGene00010964	ctc-1	254800.0	301952.3	207647.8	0.69	-0.54	1.50E-05	0.001949958
WBGene00015177	tmc-2	1223.6	1452.9	994.3	0.68	-0.55	1.70E-05	0.002188672
WBGene00008298	C54D10.3	3939.7	4623.2	3256.2	0.70	-0.51	1.73E-05	0.002208291
WBGene00019260	H34I24.1	192.0	245.7	138.3	0.56	-0.83	1.80E-05	0.002293577
WBGene00010706	cyp-14A2	228.5	292.4	164.7	0.56	-0.83	1.84E-05	0.002328559
WBGene00016388	C34B2.3	217.6	272.7	162.5	0.60	-0.75	1.86E-05	0.002346142
WBGene00018143	oac-23	31.0	47.4	14.6	0.31	-1.69	1.88E-05	0.002353371
WBGene00007691	C23H4.2	151.6	216.4	86.9	0.40	-1.32	1.89E-05	0.002353371
WBGene00021288	clec-123	774.5	937.7	611.2	0.65	-0.62	2.10E-05	0.002594348
WBGene00019963	R08E5.3	4020.2	5431.3	2609.1	0.48	-1.06	2.11E-05	0.002597278
WBGene00013290	Y57G11A.2	2916.2	3586.0	2246.5	0.63	-0.67	2.15E-05	0.002630935
WBGene00007867	C32H11.4	2138.1	2877.4	1398.8	0.49	-1.04	2.24E-05	0.002736379
WBGene00018087	F36D4.1	84.9	119.4	50.3	0.42	-1.25	2.29E-05	0.002774429
WBGene00018839	F54H5.2	100.0	139.8	60.3	0.43	-1.21	2.33E-05	0.002809211
WBGene00022079	Y69A2AR.8	176.4	229.1	123.7	0.54	-0.89	2.37E-05	0.002844447
WBGene00011531	rsbp-1	2246.4	2624.7	1868.1	0.71	-0.49	2.41E-05	0.002879303
WBGene00017393	nep-5	94.0	131.5	56.6	0.43	-1.22	2.43E-05	0.002888645
WBGene00249808	Y48G8AL.20	493.6	680.7	306.5	0.45	-1.15	2.48E-05	0.002930222
WBGene00020293	nep-20	144.4	188.0	100.8	0.54	-0.90	2.56E-05	0.002998116
WBGene00018001	F33D11.2	149.4	192.8	106.0	0.55	-0.86	2.56E-05	0.002998116
WBGene00044270	F35E2.10	35.5	52.7	18.2	0.35	-1.53	2.64E-05	0.003033764
WBGene00009515	clec-170	1402.5	1750.4	1054.6	0.60	-0.73	2.64E-05	0.003033764
WBGene00004965	spe-11	1185.7	1475.3	896.2	0.61	-0.72	2.65E-05	0.003033764
WBGene00021190	Y14H12A.1	420.4	513.5	327.2	0.64	-0.65	2.63E-05	0.003033764
WBGene00013258	polg-1	2040.1	2398.7	1681.5	0.70	-0.51	2.66E-05	0.003033764
WBGene00019853	srsx-20	18.0	31.2	4.7	0.15	-2.73	2.71E-05	0.003083065
WBGene00016416	C34F11.5	1160.5	1457.0	863.9	0.59	-0.75	2.88E-05	0.003246204
WBGene00007584	C14C10.1	1605.3	1994.9	1215.6	0.61	-0.71	2.90E-05	0.003246204
WBGene00206357	C09D4.9	52.2	75.5	29.0	0.38	-1.38	2.91E-05	0.003246476
WBGene00020566	ttr-7	297.3	371.7	223.0	0.60	-0.74	2.98E-05	0.003287961
WBGene00008603	F09B9.4	2339.8	2737.8	1941.8	0.71	-0.50	3.09E-05	0.003398619
WBGene00009324	F32B6.10	155.3	198.3	112.4	0.57	-0.82	3.23E-05	0.003504699
WBGene00008724	F13A7.1	910.8	1099.7	721.9	0.66	-0.61	3.23E-05	0.003504699
WBGene00019586	K09F6.3	1101.6	1353.5	849.7	0.63	-0.67	3.31E-05	0.003572222
WBGene00000535	cpi-1	6568.4	7617.4	5519.5	0.72	-0.46	3.33E-05	0.00358241
WBGene00019515	ugt-19	1871.7	2242.7	1500.7	0.67	-0.58	3.41E-05	0.003647029
WBGene00022451	Y110A2AM.4	154.9	207.1	102.7	0.50	-1.01	3.74E-05	0.003986028
WBGene00021358	Y37E11AL.2	238.9	295.5	182.4	0.62	-0.70	3.92E-05	0.004156485
WBGene00000966	dhs-2	400.8	489.4	312.2	0.64	-0.65	3.96E-05	0.004173245
WBGene00016287	C31H1.2	21.2	34.3	8.0	0.23	-2.09	4.08E-05	0.004284205
WBGene00013478	Y69E1A.8	138.9	183.4	94.4	0.51	-0.96	4.15E-05	0.004338821
WBGene00022445	Y110A2AL.9	95.6	159.3	32.0	0.20	-2.31	4.18E-05	0.004353902
WBGene00011692	T10G3.1	211.3	288.0	134.7	0.47	-1.10	4.24E-05	0.004398046
WBGene00002163	ist-1	617.9	745.1	490.7	0.66	-0.60	4.46E-05	0.004583125
WBGene00010712	K09B11.5	185.6	238.6	132.5	0.56	-0.85	4.49E-05	0.004595799
WBGene00016659	C45B2.2	1266.7	1802.1	731.3	0.41	-1.30	4.59E-05	0.004669785
WBGene00013785	nep-23	85.9	112.2	59.6	0.53	-0.91	4.79E-05	0.004854535
WBGene00012926	Y47D3A.13	466.4	565.7	367.0	0.65	-0.62	4.89E-05	0.004925569
WBGene00013771	Y113G7C.1	1584.2	1946.1	1222.3	0.63	-0.67	5.09E-05	0.005098776
WBGene00020117	R155.3	198.9	256.7	141.1	0.55	-0.86	5.25E-05	0.005233776
WBGene00012538	Y37A1B.5	7354.3	8841.7	5866.9	0.66	-0.59	5.37E-05	0.005311346
WBGene00001603	gln-2	1483.2	1766.3	1200.0	0.68	-0.56	5.39E-05	0.005311346
WBGene00012280	W05E10.1	713.2	846.8	579.7	0.68	-0.55	5.40E-05	0.005311346
WBGene00004002	pgp-8	809.7	1024.2	595.1	0.58	-0.78	5.47E-05	0.005366719
WBGene00006057	sss-2	1280.0	1665.6	894.4	0.54	-0.90	5.55E-05	0.005397821
WBGene00004969	spe-15	4572.1	5281.2	3862.9	0.73	-0.45	5.53E-05	0.005397821
WBGene00011753	T13F3.6	15395.7	17662.3	13129.0	0.74	-0.43	5.63E-05	0.005449082
WBGene00021898	Y54G2A.36	738.0	1022.2	453.7	0.44	-1.17	5.78E-05	0.005574677
WBGene00013475	Y69E1A.3	136.9	176.9	97.0	0.55	-0.87	5.90E-05	0.005623288
WBGene00014127	ZK892.3	256.7	323.8	189.6	0.59	-0.77	5.90E-05	0.005623288
WBGene00012404	Y6G8.2	356.7	539.9	173.4	0.32	-1.64	6.08E-05	0.005765355

WBGene00009609	oac-27	42.9	63.0	22.9	0.36	-1.46	6.23E-05	0.005840671
WBGene00009730	myo-6	760.2	920.3	600.0	0.65	-0.62	6.22E-05	0.005840671
WBGene00011472	T05C12.9	24.0	37.2	10.9	0.29	-1.77	6.43E-05	0.005941877
WBGene00010594	swt-5	63.6	93.1	34.1	0.37	-1.45	6.40E-05	0.005941877
WBGene00044723	K11H12.11	124.5	167.1	81.9	0.49	-1.03	6.44E-05	0.005941877
WBGene00022589	ZC317.6	281.7	354.2	209.1	0.59	-0.76	6.41E-05	0.005941877
WBGene00018616	F48G7.5	131.7	215.5	47.9	0.22	-2.17	6.49E-05	0.00596484
WBGene00016753	oac-9	533.5	656.4	410.6	0.63	-0.68	6.59E-05	0.006032311
WBGene00006050	ssq-1	4691.4	5351.9	4030.8	0.75	-0.41	6.76E-05	0.006162012
WBGene00009605	F40G12.10	558.4	735.0	381.8	0.52	-0.95	6.94E-05	0.006300944
WBGene00007610	C15H7.3	454.5	566.4	342.7	0.61	-0.72	6.99E-05	0.006326266
WBGene00009685	F44D12.8	266.3	333.1	199.5	0.60	-0.74	7.10E-05	0.006397098
WBGene00016825	C50E10.1	501.0	621.7	380.4	0.61	-0.71	7.21E-05	0.006474414
WBGene00011133	R08A2.2	204.7	260.2	149.2	0.57	-0.80	7.65E-05	0.006847038
WBGene00011335	T01E8.8	1207.9	1413.8	1002.0	0.71	-0.50	7.68E-05	0.006847038
WBGene00003999	pgp-5	1325.4	1844.4	806.4	0.44	-1.19	7.94E-05	0.007053483
WBGene00020735	T23F2.2	1362.7	1616.7	1108.8	0.69	-0.54	8.05E-05	0.007122921
WBGene00022700	ZK353.4	120.1	163.4	76.7	0.47	-1.09	8.20E-05	0.007194242
WBGene00020353	T08B6.4	1592.8	1939.0	1246.7	0.64	-0.64	8.25E-05	0.007215917
WBGene00011379	T02E1.7	188.7	245.4	132.0	0.54	-0.89	8.58E-05	0.00746564
WBGene00013318	Y57G11C.23	242.7	299.7	185.6	0.62	-0.69	8.73E-05	0.007550252
WBGene00021136	W10G11.3	826.1	1051.9	600.4	0.57	-0.81	8.82E-05	0.007603082
WBGene00015024	B0205.10	1352.5	1652.5	1052.5	0.64	-0.65	8.87E-05	0.007618727
WBGene00020070	rmd-6	358.0	434.9	281.1	0.65	-0.63	8.91E-05	0.007618727
WBGene00017270	numr-1	10.9	19.4	2.3	0.12	-3.09	8.96E-05	0.007634326
WBGene00011478	T05D4.5	509.2	626.6	391.9	0.63	-0.68	9.30E-05	0.007900838
WBGene00004904	snf-5	2753.4	3376.9	2129.9	0.63	-0.66	0.000103021	0.008718631
WBGene00018465	F45E1.4	599.9	712.2	487.5	0.68	-0.55	0.00010519	0.008870229
WBGene00021207	Y18H1A.1	516.0	633.8	398.2	0.63	-0.67	0.000105742	0.008884939
WBGene00015937	C17H12.12	1867.2	2347.0	1387.3	0.59	-0.76	0.000110078	0.009216395
WBGene00009680	msd-1	463.1	550.5	375.6	0.68	-0.55	0.000110782	0.009242416
WBGene00015627	C09B9.2	695.7	867.4	523.9	0.60	-0.73	0.000112143	0.009322962
WBGene00011173	acs-18	1064.4	1296.9	831.8	0.64	-0.64	0.000113845	0.009431066
WBGene00015030	B0207.7	105.4	142.2	68.5	0.48	-1.05	0.000116028	0.009573678
WBGene00007446	mboa-4	165.9	211.2	120.5	0.57	-0.81	0.00011638	0.009573678
WBGene00017444	F13H8.12	63.8	88.7	38.9	0.44	-1.19	0.000117642	0.009610288
WBGene00001839	hdl-1	408.1	506.1	310.1	0.61	-0.71	0.000117322	0.009610288
WBGene00020435	T11F8.4	147.0	189.9	104.1	0.55	-0.87	0.000118368	0.009636128
WBGene00013539	Y73F8A.35	56.7	83.0	30.5	0.37	-1.45	0.000122355	0.009926378
WBGene00018347	F42C5.5	443.7	550.4	337.0	0.61	-0.71	0.000124521	0.01002289
WBGene00011176	R09E10.6	8430.2	10105.5	6754.8	0.67	-0.58	0.000124232	0.01002289
WBGene00015820	C16A11.7	421.9	503.7	340.2	0.68	-0.57	0.000124823	0.01002289
WBGene00219650	linc-56	10.2	18.3	2.1	0.12	-3.11	0.000126777	0.010115397
WBGene00018360	irld-8	163.1	205.5	120.7	0.59	-0.77	0.000126842	0.010115397
WBGene00011669	T09F5.10	229.6	286.4	172.8	0.60	-0.73	0.000127265	0.010115397
WBGene00022032	Y65B4A.9	312.1	375.2	249.0	0.66	-0.59	0.000132388	0.010487162
WBGene00011498	T05G5.1	2443.0	2814.1	2071.9	0.74	-0.44	0.000134064	0.010584316
WBGene00012180	W01D2.3	204.5	261.8	147.2	0.56	-0.83	0.000138898	0.010821374
WBGene00018980	F56F4.3	162.8	206.0	119.6	0.58	-0.78	0.000138907	0.010821374
WBGene00007071	AC3.5	14083.5	15973.6	12193.4	0.76	-0.39	0.000138178	0.010821374
WBGene00018121	F36H12.5	336.1	423.2	249.1	0.59	-0.76	0.000140415	0.010902757
WBGene00007998	C38C6.5	15.1	24.3	6.0	0.25	-2.03	0.000141592	0.01093059
WBGene00011512	T05H10.8	169.7	217.2	122.1	0.56	-0.83	0.000141702	0.01093059
WBGene00017636	F20D6.6	562.5	693.7	431.3	0.62	-0.69	0.000148187	0.011393488
WBGene00020247	T05B11.4	2411.5	2786.9	2036.1	0.73	-0.45	0.000149503	0.01145718
WBGene00008296	cdr-2	1604.9	1947.6	1262.3	0.65	-0.63	0.000159502	0.012167696
WBGene00014158	ZK938.1	3265.1	3934.2	2596.0	0.66	-0.60	0.000159809	0.012167696
WBGene00020509	hex-1	5044.7	5759.6	4329.8	0.75	-0.41	0.000165561	0.012543175
WBGene00010915	M110.7	228.0	292.6	163.4	0.56	-0.84	0.000166702	0.01257053
WBGene00013999	ZK550.5	1371.9	1701.0	1042.8	0.61	-0.71	0.000170104	0.012755766
WBGene00006056	sss-1	4961.0	5955.6	3966.5	0.67	-0.59	0.000170785	0.012755766
WBGene00009433	F35E12.9	746.5	883.5	609.5	0.69	-0.54	0.000170374	0.012755766
WBGene00022707	ZK354.6	326.0	427.7	224.4	0.52	-0.93	0.000171543	0.012771823
WBGene00021908	Y55B1AR.4	247.7	305.5	189.9	0.62	-0.69	0.00017221	0.012781051
WBGene00021007	W03F11.4	1324.7	1682.4	967.0	0.57	-0.80	0.00017612	0.013030097

WBGene00016765	C49C8.1	185.5	230.7	140.3	0.61	-0.72	0.000177225	0.013070736
WBGene00020237	phat-4	1648.0	2103.3	1192.7	0.57	-0.82	0.000181617	0.01331126
WBGene00009641	F42G4.2	381.1	457.6	304.6	0.67	-0.59	0.000181441	0.01331126
WBGene00021183	Y9C9A.16	18.4	31.0	5.8	0.19	-2.42	0.000188562	0.01368818
WBGene00194654	M05B5.7	33.6	51.2	16.1	0.31	-1.67	0.000189087	0.01368818
WBGene00022705	ZK354.2	859.7	1015.6	703.9	0.69	-0.53	0.000192387	0.013838927
WBGene00194894	T05B4.14	74.9	100.3	49.6	0.49	-1.02	0.000197425	0.014075211
WBGene00003845	odd-1	174.9	223.3	126.5	0.57	-0.82	0.000196912	0.014075211
WBGene00000493	che-14	187.0	237.4	136.6	0.58	-0.80	0.000200433	0.014246504
WBGene00019555	K09C6.1	111.9	153.6	70.2	0.46	-1.13	0.000202473	0.014348152
WBGene00235106	F08H9.15	134.4	176.6	92.1	0.52	-0.94	0.000203192	0.014355863
WBGene00019732	M02D8.6	472.8	662.9	282.7	0.43	-1.23	0.000206594	0.014552491
WBGene00021918	Y55D5A.4	154.3	200.0	108.5	0.54	-0.88	0.000209399	0.014706089
WBGene00011405	clec-155	36.3	52.7	19.9	0.38	-1.41	0.000213392	0.014941884
WBGene00004986	spp-1	1617.0	2071.4	1162.5	0.56	-0.83	0.00021838	0.015245791
WBGene00009160	F26E4.5	308.0	384.7	231.3	0.60	-0.73	0.00021936	0.015268902
WBGene00017292	F09E5.16	316.1	391.3	241.0	0.62	-0.70	0.000224337	0.015569237
WBGene00013331	Y57G11C.42	424.0	533.4	314.5	0.59	-0.76	0.000228539	0.01580385
WBGene00012115	T28B8.4	602.4	708.7	496.1	0.70	-0.51	0.000229457	0.01580385
WBGene00016419	tyr-4	11952.2	13527.5	10376.9	0.77	-0.38	0.000229733	0.01580385
WBGene00008154	C47E12.11	246.4	308.2	184.6	0.60	-0.74	0.000230972	0.015810151
WBGene00006874	vab-8	3422.2	3892.1	2952.2	0.76	-0.40	0.00023184	0.015810151
WBGene00013747	spe-19	31.0	46.0	16.0	0.35	-1.53	0.000236022	0.01595099
WBGene00045293	fbxa-175	99.2	132.6	65.7	0.50	-1.01	0.000235356	0.01595099
WBGene00044122	T28B8.6	113.0	145.7	80.4	0.55	-0.86	0.000236617	0.01595099
WBGene00012592	Y38E10A.14	4956.7	5664.1	4249.2	0.75	-0.41	0.000234899	0.01595099
WBGene00017112	E03H12.5	1351.4	1697.1	1005.7	0.59	-0.75	0.000238526	0.016033746
WBGene00013860	ZC247.2	839.9	980.2	699.6	0.71	-0.49	0.000240375	0.016111964
WBGene00000047	acr-8	297.9	367.8	228.0	0.62	-0.69	0.000242583	0.016199147
WBGene00008211	C49F5.7	2944.0	3482.9	2405.2	0.69	-0.53	0.000243053	0.016199147
WBGene00013138	Y53C10A.10	540.3	665.4	415.2	0.62	-0.68	0.0002485	0.016515455
WBGene00015467	basl-1	427.3	561.5	293.0	0.52	-0.94	0.000250835	0.016623627
WBGene00017724	F22F7.7	1434.9	1683.0	1186.8	0.71	-0.50	0.000251751	0.016637456
WBGene00015527	C06E2.1	304.7	398.0	211.4	0.53	-0.91	0.000262802	0.017174812
WBGene00015286	best-3	381.0	464.6	297.4	0.64	-0.64	0.000264514	0.017238844
WBGene00018178	F38E1.3	161.2	208.5	113.8	0.55	-0.87	0.000268513	0.017403069
WBGene00016461	C35E7.9	479.0	616.9	341.1	0.55	-0.85	0.000267829	0.017403069
WBGene00008252	C51E3.6	1345.2	1554.5	1136.0	0.73	-0.45	0.00027245	0.017609706
WBGene00020191	clec-53	765.2	897.7	632.6	0.70	-0.50	0.000274081	0.017666598
WBGene00003652	nhr-62	456.7	549.6	363.8	0.66	-0.60	0.000275223	0.017691697
WBGene00019561	K09C6.7	751.1	913.6	588.7	0.64	-0.63	0.000277649	0.017799045
WBGene00017798	slc-17.8	143.2	199.8	86.5	0.43	-1.21	0.000291158	0.018413438
WBGene00006409	hdl-2	313.2	375.0	251.3	0.67	-0.58	0.000290848	0.018413438
WBGene00020049	ttr-8	851.9	990.9	712.9	0.72	-0.48	0.000291929	0.018413438
WBGene00008871	tag-314	129.7	165.2	94.2	0.57	-0.81	0.00029605	0.01862347
WBGene00010460	clec-142	111.2	143.8	78.5	0.55	-0.87	0.000297094	0.018639292
WBGene00015688	C10G11.8	4431.8	5307.2	3556.4	0.67	-0.58	0.000299752	0.018756024
WBGene00019113	F59E11.7	120.2	155.5	84.8	0.55	-0.88	0.000302448	0.01887449
WBGene00018602	F48D6.4	5208.5	6279.3	4137.7	0.66	-0.60	0.000304899	0.018977112
WBGene00022008	Y59H11AM.4	66.5	90.6	42.3	0.47	-1.10	0.000308218	0.019133127
WBGene00018656	F49H12.5	2820.6	3226.0	2415.2	0.75	-0.42	0.000311404	0.019229418
WBGene00016212	C29F5.3	54.7	73.0	36.3	0.50	-1.01	0.000313115	0.019252433
WBGene00007794	C28D4.7	580.2	722.6	437.8	0.61	-0.72	0.000313414	0.019252433
WBGene00022161	Y71G12B.26	110.1	147.1	73.2	0.50	-1.01	0.000322614	0.019726889
WBGene00010634	K07F5.6	248.9	314.0	183.8	0.59	-0.77	0.000322814	0.019726889
WBGene00022675	gbb-2	1106.4	1284.1	928.6	0.72	-0.47	0.000333003	0.020285322
WBGene00009501	F37A8.1	82.3	106.1	58.5	0.55	-0.86	0.000335696	0.020355445
WBGene00004798	sip-1	48283.6	56797.5	39769.7	0.70	-0.51	0.000340772	0.020610121
WBGene00016187	C28G1.2	22.8	36.7	8.9	0.24	-2.04	0.000345842	0.020809789
WBGene00016742	C48B6.4	515.6	605.7	425.5	0.70	-0.51	0.000352148	0.021135182
WBGene00011910	alg-3	1963.4	2397.5	1529.4	0.64	-0.65	0.000358409	0.021416202
WBGene00044177	C30G7.3	914.7	1088.4	741.1	0.68	-0.55	0.00036113	0.02145534
WBGene00017955	F31E8.5	684.2	839.0	529.4	0.63	-0.66	0.000366708	0.021731843
WBGene00008949	F19B6.3	52.5	73.4	31.6	0.43	-1.22	0.000369072	0.021764344
WBGene00010612	K07A1.5	380.1	447.9	312.3	0.70	-0.52	0.00037024	0.021764344

WBGene00016716	acs-17	2393.4	2756.8	2030.0	0.74	-0.44	0.000370957	0.021764344
WBGene00018340	anmt-2	3432.7	3916.1	2949.2	0.75	-0.41	0.000369702	0.021764344
WBGene00016513	C38C3.4	373.9	449.4	298.4	0.66	-0.59	0.000375779	0.021992397
WBGene00044502	C46G7.5	89.5	120.4	58.7	0.49	-1.03	0.000380958	0.022075845
WBGene00019967	cyp-33C8	973.2	1164.6	781.8	0.67	-0.57	0.000378785	0.022075845
WBGene00010382	H12D21.6	7.0	13.2	0.7	0.06	-4.17	0.000383829	0.022133216
WBGene00008332	C55A6.3	292.8	358.5	227.1	0.63	-0.66	0.000383731	0.022133216
WBGene00011554	T07A5.1	1350.3	1636.0	1064.6	0.65	-0.62	0.000399415	0.022818784
WBGene00018885	drd-5	1417.8	1650.3	1185.4	0.72	-0.48	0.00039828	0.022818784
WBGene00010540	K03H1.5	413.3	485.0	341.6	0.70	-0.51	0.000415847	0.023689166
WBGene00014197	ZK1053.2	671.9	812.8	531.1	0.65	-0.61	0.000418079	0.023758819
WBGene00004092	ppt-1	95.2	126.0	64.5	0.51	-0.97	0.000427021	0.024092355
WBGene00011438	T04F3.3	360.6	442.4	278.8	0.63	-0.67	0.000426681	0.024092355
WBGene00013657	Y105C5B.18	260.1	314.6	205.7	0.65	-0.61	0.000426988	0.024092355
WBGene00018135	F37A4.5	352.5	427.8	277.3	0.65	-0.63	0.000431179	0.024192147
WBGene00021398	Y38C1AA.7	3836.8	4518.4	3155.2	0.70	-0.52	0.000431224	0.024192147
WBGene00009549	F38H4.5	196.0	244.2	147.7	0.60	-0.73	0.000439646	0.024482591
WBGene00010965	ctc-2	69932.8	86715.2	53150.5	0.61	-0.71	0.000441222	0.024482591
WBGene00019086	F59A6.4	469.1	573.2	365.0	0.64	-0.65	0.000441127	0.024482591
WBGene00009865	F49B2.6	378.6	456.3	300.8	0.66	-0.60	0.000443083	0.02452806
WBGene00014562	Y17D7B.7	897.4	1118.6	676.3	0.60	-0.73	0.00045008	0.024833687
WBGene00013033	Y49E10.10	480.7	578.5	382.9	0.66	-0.60	0.000463223	0.02546318
WBGene00017660	F21C10.11	143.5	206.0	81.0	0.39	-1.35	0.00046604	0.025498879
WBGene00021579	clec-73	1139.2	1374.3	904.1	0.66	-0.60	0.000475638	0.025903545
WBGene00012880	Y45F10C.4	4000.9	4568.2	3433.5	0.75	-0.41	0.000474987	0.025903545
WBGene00013651	Y105C5B.11	78.7	113.9	43.6	0.38	-1.38	0.000486658	0.026302147
WBGene00017545	F18A1.1	58.3	82.9	33.6	0.41	-1.30	0.000487115	0.026302147
WBGene00016462	C35E7.10	457.3	560.0	354.6	0.63	-0.66	0.000487429	0.026302147
WBGene00008273	C53B4.3	1569.7	1800.8	1338.5	0.74	-0.43	0.000495219	0.026661369
WBGene00020289	T06C10.3	306.8	377.7	235.9	0.62	-0.68	0.000497341	0.026714466
WBGene00017902	F28E10.4	150.4	186.9	113.8	0.61	-0.72	0.000501798	0.026892484
WBGene00018134	F37A4.4	861.5	1062.2	660.7	0.62	-0.69	0.000504771	0.026990357
WBGene00022708	ZK354.7	419.1	523.8	314.5	0.60	-0.74	0.000506436	0.027017981
WBGene00020741	dlhd-1	15.9	26.4	5.5	0.21	-2.25	0.000512538	0.027281623
WBGene00018145	F37C4.5	16999.6	19033.5	14965.6	0.79	-0.35	0.000514277	0.027312387
WBGene00045456	C10A4.9	146.2	189.3	103.1	0.54	-0.88	0.000516428	0.027364893
WBGene00009016	F21D9.2	265.0	326.3	203.7	0.62	-0.68	0.000522125	0.02760459
WBGene00007448	C08F8.6	645.0	784.5	505.4	0.64	-0.63	0.000523437	0.027611883
WBGene00009377	F34D10.8	391.2	467.0	315.5	0.68	-0.57	0.000530082	0.027899883
WBGene00007307	spch-1	2663.9	3147.3	2180.4	0.69	-0.53	0.000537518	0.028228099
WBGene00018619	F48G7.8	4.7	8.6	0.7	0.08	-3.68	0.000542917	0.028448136
WBGene00007875	dod-24	14712.3	16887.3	12537.3	0.74	-0.43	0.000548492	0.028676403
WBGene00011868	best-18	514.7	612.4	416.9	0.68	-0.55	0.000550367	0.028710587
WBGene00010994	lgc-25	278.7	340.6	216.8	0.64	-0.65	0.000555513	0.028914964
WBGene00008439	mfb-1	707.7	829.3	586.0	0.71	-0.50	0.000557997	0.02894472
WBGene00011203	R10E4.7	966.2	1115.8	816.6	0.73	-0.45	0.000558546	0.02894472
WBGene00013696	Y106G6A.4	1107.9	1316.1	899.7	0.68	-0.55	0.000569766	0.029275858
WBGene00023432	K12B6.9	499.8	588.0	411.6	0.70	-0.51	0.000569913	0.029275858
WBGene00017063	mctp-1	1860.2	2127.8	1592.6	0.75	-0.42	0.000569858	0.029275858
WBGene00022615	ZC449.5	3678.2	4177.8	3178.5	0.76	-0.39	0.000573509	0.029396407
WBGene00011748	T13F2.9	2397.8	2996.0	1799.6	0.60	-0.74	0.000578693	0.029597622
WBGene00000019	abt-1	508.0	634.3	381.7	0.60	-0.73	0.000585956	0.029710729
WBGene00022634	ZC581.7	235.0	284.0	186.0	0.65	-0.61	0.000584782	0.029710729
WBGene00021472	Y39G10AR.16	658.2	787.4	529.0	0.67	-0.57	0.000583675	0.029710729
WBGene00016358	C33F10.12	714.8	852.9	576.7	0.68	-0.56	0.00058375	0.029710729
WBGene00012008	T25B9.2	5.6	10.4	0.7	0.07	-3.80	0.000588944	0.029754115
WBGene00010300	F59A1.15	154.4	190.6	118.2	0.62	-0.69	0.000589341	0.029754115
WBGene00017089	poml-2	566.0	669.2	462.8	0.69	-0.53	0.000596504	0.030051292
WBGene00018783	cbs-2	173.7	211.7	135.6	0.64	-0.64	0.000606238	0.03047641
WBGene00000282	cah-4	18367.8	20759.5	15976.2	0.77	-0.38	0.00060967	0.030583613
WBGene00044015	K06A4.8	82.2	108.0	56.3	0.52	-0.94	0.000621857	0.031128557
WBGene00011999	T24F1.7	7.8	14.9	0.7	0.05	-4.44	0.000635489	0.031542532
WBGene00011004	R04B5.6	35.1	52.4	17.8	0.34	-1.56	0.000633196	0.031542532
WBGene00016351	C33F10.1	3177.0	3889.4	2464.5	0.63	-0.66	0.000635271	0.031542532
WBGene00015106	B0280.11	366.5	443.0	290.0	0.65	-0.61	0.000631479	0.031542532

WBGene00010871	M05B5.3	129.3	165.6	93.0	0.56	-0.83	0.000639592	0.031612754
WBGene00015422	C04E6.5	182.1	226.9	137.2	0.60	-0.73	0.000639113	0.031612754
WBGene00008590	F08H9.2	1875.0	2215.0	1535.1	0.69	-0.53	0.000645711	0.031809741
WBGene00021994	Y59E9AL.4	835.5	971.0	700.0	0.72	-0.47	0.000646281	0.031809741
WBGene00006051	ssq-2	6147.4	6987.4	5307.4	0.76	-0.40	0.000657751	0.0323067
WBGene00007462	C08H9.1	130.6	166.8	94.3	0.57	-0.82	0.000662274	0.032461073
WBGene00016707	C46E10.1	494.6	587.2	401.9	0.68	-0.55	0.000664897	0.032521901
WBGene00010727	K09G1.1	14481.8	16309.4	12654.2	0.78	-0.37	0.000668277	0.032619403
WBGene00021381	Y37E11B.10	1227.5	1432.9	1022.2	0.71	-0.49	0.000671347	0.032701397
WBGene00022439	Y110A2AL.2	14.6	25.0	4.2	0.17	-2.57	0.000680797	0.032996032
WBGene00010992	R03D7.8	207.8	265.4	150.3	0.57	-0.82	0.000681829	0.032996032
WBGene00015355	C02F12.5	414.0	499.2	328.9	0.66	-0.60	0.000683005	0.032996032
WBGene00044068	syd-9	734.4	859.2	609.7	0.71	-0.49	0.000680312	0.032996032
WBGene00003567	ncx-2	13777.4	16082.2	11472.5	0.71	-0.49	0.000686759	0.033109369
WBGene00008575	scl-24	23.3	43.1	3.5	0.08	-3.63	0.000691125	0.03325171
WBGene00009079	F23B12.1	104.0	130.0	78.0	0.60	-0.74	0.000718151	0.034433676
WBGene00015917	C17G10.3	256.8	307.0	206.5	0.67	-0.57	0.000720878	0.034471718
WBGene00008243	C50H2.7	33.4	48.4	18.4	0.38	-1.39	0.000725152	0.034605793
WBGene00018903	F55G1.7	374.9	448.6	301.2	0.67	-0.57	0.000727514	0.034648246
WBGene00009513	sfxn-1.2	147.7	186.9	108.5	0.58	-0.78	0.000735018	0.034864469
WBGene00077579	R11H6.7	13.8	21.7	5.9	0.27	-1.87	0.000739844	0.035022765
WBGene00018895	F55F8.7	362.3	477.2	247.4	0.52	-0.95	0.000742381	0.035072306
WBGene00010127	F55G11.7	11.8	21.5	2.2	0.10	-3.30	0.000750979	0.035336581
WBGene00018392	insc-1	777.5	909.6	645.3	0.71	-0.50	0.000756924	0.035545217
WBGene00009896	scl-3	760.6	892.5	628.8	0.70	-0.51	0.000759234	0.035582665
WBGene00012010	T25B9.4	162.1	201.0	123.2	0.61	-0.71	0.000763173	0.035696166
WBGene00012689	Y39B6A.30	694.7	868.5	520.9	0.60	-0.74	0.000770877	0.035984947
WBGene00014104	ZK849.6	76.7	101.3	52.0	0.51	-0.96	0.000774572	0.036014557
WBGene00010241	F58D2.2	1018.6	1223.3	813.9	0.67	-0.59	0.000773311	0.036014557
WBGene00009149	F26D2.10	402.9	508.4	297.4	0.58	-0.77	0.000778252	0.036114247
WBGene00012827	Y43F8C.5	447.9	538.4	357.4	0.66	-0.59	0.000796005	0.036865371
WBGene00020713	T23B3.5	1514.3	1808.2	1220.4	0.67	-0.57	0.00079825	0.036896727
WBGene00019255	H32C10.1	415.4	495.8	334.9	0.68	-0.57	0.000807758	0.037262976
WBGene00012168	W01A8.6	578.2	674.8	481.7	0.71	-0.49	0.000818686	0.037693187
WBGene00013303	Y57G11C.5	530.5	634.9	426.0	0.67	-0.58	0.000825991	0.037955241
WBGene00016114	flp-27	200.6	257.8	143.3	0.56	-0.85	0.000834555	0.038172402
WBGene00009640	nspc-10	861.0	1061.2	660.8	0.62	-0.68	0.000835406	0.038172402
WBGene00018336	F42A9.7	425.4	511.2	339.6	0.66	-0.59	0.000835584	0.038172402
WBGene00007755	C27A7.3	302.3	364.2	240.4	0.66	-0.60	0.000838175	0.038208202
WBGene00009681	gipc-2	8868.8	10457.2	7280.4	0.70	-0.52	0.00084124	0.038208202
WBGene00008529	F02E9.3	536.3	629.6	443.1	0.70	-0.51	0.000839824	0.038208202
WBGene00000370	ccg-1	5248.2	5904.7	4591.7	0.78	-0.36	0.000851682	0.038533696
WBGene00012809	Y43F8A.2	1321.8	1549.0	1094.5	0.71	-0.50	0.000854259	0.038576129
WBGene00008312	C54G4.2	242.4	311.1	173.7	0.56	-0.84	0.000865273	0.038998606
WBGene00194816	ZK616.61	198.0	244.9	151.2	0.62	-0.70	0.000868148	0.039053377
WBGene00022298	Y76B12C.4	208.2	255.2	161.3	0.63	-0.66	0.000871799	0.039142797
WBGene00008912	F17C8.7	570.5	663.2	477.8	0.72	-0.47	0.000873613	0.03914951
WBGene00000367	cca-1	1871.3	2118.0	1624.6	0.77	-0.38	0.00087623	0.039192158
WBGene00000620	col-43	187.0	236.0	138.0	0.58	-0.77	0.000882979	0.039344398
WBGene00018384	F43C11.7	589.2	685.4	493.0	0.72	-0.48	0.000887449	0.039468818
WBGene00014156	ZK930.6	64.3	85.9	42.7	0.50	-1.01	0.000896595	0.039737135
WBGene00017114	E03H12.7	279.6	347.1	212.1	0.61	-0.71	0.000925624	0.040857714
WBGene00013700	Y106G6D.3	1409.6	1708.5	1110.6	0.65	-0.62	0.000937336	0.041297199
WBGene00009581	F40F9.3	740.4	901.6	579.2	0.64	-0.64	0.000940285	0.041344075
WBGene00015765	C14C11.1	416.6	490.5	342.8	0.70	-0.52	0.000941915	0.041344075
WBGene00012969	Y48A6B.8	77.0	106.2	47.8	0.45	-1.15	0.000951582	0.041576363
WBGene00020561	T19C3.3	211.6	260.6	162.6	0.62	-0.68	0.000952508	0.041576363
WBGene00003528	nas-9	1947.3	2242.1	1652.4	0.74	-0.44	0.000958484	0.04175973
WBGene00022751	msrp-2	2421.1	2866.6	1975.7	0.69	-0.54	0.000970576	0.042130503
WBGene00009592	F40F12.3	367.3	461.4	273.2	0.59	-0.76	0.000974628	0.04215087
WBGene00021996	Y59E9AL.6	1580.3	1978.1	1182.5	0.60	-0.74	0.000977591	0.042172978
WBGene00009271	glna-3	999.5	1167.4	831.6	0.71	-0.49	0.000978724	0.042172978
WBGene00009502	F37A8.2	154.6	190.9	118.3	0.62	-0.69	0.000987195	0.042418741
WBGene00006912	vha-3	14153.1	15790.4	12515.9	0.79	-0.34	0.000988034	0.042418741
WBGene00022162	Y71G12B.27	335.3	410.6	260.1	0.63	-0.66	0.001000562	0.0428004

WBGene00019430	K06A5.2	3939.3	4700.7	3177.9	0.68	-0.56	0.001000009	0.0428004
WBGene00021639	Y47G6A.13	225.2	270.9	179.5	0.66	-0.59	0.001007514	0.043019554
WBGene00011727	T12A7.6	163.5	206.3	120.8	0.59	-0.77	0.001020869	0.043316147
WBGene00003562	ncr-2	359.9	425.9	293.9	0.69	-0.54	0.001021824	0.043316147
WBGene00017058	msrp-6	349.1	421.6	276.6	0.66	-0.61	0.001025765	0.043405003
WBGene00008811	F14F7.4	161.1	202.2	120.0	0.59	-0.75	0.001031363	0.04356351
WBGene00018191	frpr-7	146.0	183.7	108.4	0.59	-0.76	0.001041076	0.04389498
WBGene00018301	F41G3.5	315.3	380.1	250.5	0.66	-0.60	0.001045397	0.043998331
WBGene00006822	unc-93	258.3	315.2	201.3	0.64	-0.65	0.001048365	0.044044421
WBGene00016429	C35A11.2	33.9	49.2	18.5	0.38	-1.41	0.001054926	0.044241066
WBGene00008073	C43F9.5	112.6	146.5	78.8	0.54	-0.90	0.001057475	0.044269079
WBGene00007777	C27D8.1	1020.6	1223.4	817.8	0.67	-0.58	0.001104985	0.046012346
WBGene00005959	srx-68	20.5	32.7	8.2	0.25	-1.99	0.001113196	0.046036749
WBGene00016274	C30G12.2	4915.5	6799.6	3031.4	0.45	-1.17	0.00110785	0.046036749
WBGene00010682	K08F8.5	199.3	243.1	155.4	0.64	-0.65	0.001110429	0.046036749
WBGene00021878	Y54G2A.13	578.6	701.1	456.1	0.65	-0.62	0.001118282	0.046036749
WBGene00014181	ZK1010.8	125.0	159.3	90.6	0.57	-0.81	0.001125083	0.046195168
WBGene00018123	F36H12.9	68.4	88.2	48.5	0.55	-0.86	0.001128683	0.046262245
WBGene00050916	F55F10.3	34.5	49.4	19.6	0.40	-1.34	0.001138522	0.046271291
WBGene00010883	M7.7	211.1	264.2	158.0	0.60	-0.74	0.001146005	0.046271291
WBGene00007249	C01G12.9	122.1	152.7	91.6	0.60	-0.74	0.001141479	0.046271291
WBGene00018359	F42G8.8	293.1	364.4	221.8	0.61	-0.72	0.001144537	0.046271291
WBGene00016751	C48E7.6	932.0	1113.1	750.8	0.67	-0.57	0.001135716	0.046271291
WBGene00010877	lact-4	613.5	732.2	494.8	0.68	-0.57	0.001135256	0.046271291
WBGene00011336	ubxn-5	620.3	734.5	506.0	0.69	-0.54	0.001144551	0.046271291
WBGene00011331	T01E8.1	1354.4	1541.8	1166.9	0.76	-0.40	0.001146604	0.046271291
WBGene00009645	F42G10.1	4552.9	5114.4	3991.4	0.78	-0.36	0.001134972	0.046271291
WBGene00017553	nep-8	321.4	387.9	254.9	0.66	-0.61	0.001153295	0.046461612
WBGene00006509	tag-164	538.2	641.7	434.7	0.68	-0.56	0.001159335	0.046625084
WBGene00012169	W01B6.2	730.2	841.1	619.3	0.74	-0.44	0.001161714	0.046641021
WBGene00008017	fbxa-176	60.5	84.1	36.8	0.44	-1.19	0.001164136	0.046658656
WBGene00009129	F25H5.7	320.8	394.6	247.1	0.63	-0.68	0.001174708	0.04692251
WBGene00013800	Y116A8C.23	198.1	240.0	156.2	0.65	-0.62	0.0011851	0.04725735
WBGene00016605	C43E11.5	384.5	463.5	305.4	0.66	-0.60	0.001191704	0.047440302
WBGene00014047	clec-61	6.0	11.6	0.3	0.03	-5.08	0.001195054	0.047493294
WBGene00015977	C18F10.2	84.3	114.7	53.9	0.47	-1.09	0.001220485	0.048024027
WBGene00195178	ZC581.10	71.7	92.9	50.5	0.54	-0.88	0.001224492	0.048024027
WBGene00019580	oac-58	200.6	250.1	151.0	0.60	-0.73	0.00121848	0.048024027
WBGene00009028	F21H7.2	637.9	788.3	487.5	0.62	-0.69	0.001222977	0.048024027
WBGene00017215	F07F6.1	364.9	450.7	279.0	0.62	-0.69	0.001215853	0.048024027
WBGene00020105	R148.7	599.2	697.2	501.2	0.72	-0.48	0.001211276	0.048024027
WBGene00004976	spe-41	1021.4	1172.4	870.4	0.74	-0.43	0.001224738	0.048024027
WBGene00086554	D1081.12	208.4	258.2	158.7	0.61	-0.70	0.001229152	0.048116886
WBGene00008230	pfk-1.2	452.7	549.6	355.8	0.65	-0.63	0.001232072	0.048151094
WBGene00019165	mpz-4	301.7	369.1	234.3	0.63	-0.66	0.001235971	0.048223375
WBGene00020262	ferl-1	37.7	54.6	20.7	0.38	-1.40	0.001243488	0.048397476
WBGene00014201	ZK1053.6	93.4	117.8	69.0	0.59	-0.77	0.001245179	0.048397476
WBGene00019135	math-32	51.2	69.5	32.9	0.47	-1.08	0.001249686	0.048437171
WBGene00022157	Y71G12B.22	299.1	359.2	239.0	0.67	-0.59	0.001273477	0.049278117
WBGene00016356	C33F10.8	124.0	162.6	85.5	0.53	-0.93	0.001288921	0.049712215
WBGene00007301	C04F12.7	5662.5	6737.7	4587.2	0.68	-0.55	0.001294788	0.049775281
WBGene00021565	Y45G12C.1	331.5	405.0	258.1	0.64	-0.65	0.001299408	0.049790201
WBGene00044260	Y87G2A.19	730.7	849.5	611.9	0.72	-0.47	0.001299399	0.049790201

Table S3. Gene ontology (GO) analysis.

ttr-1 upregulated

GOID	TERM[a]	p-value[b]	Ontology
GO:0007275	multicellular organism development	1.87E-139	process
GO:0048856	anatomical structure development	9.69E-135	process
GO:0009790	embryo development	1.57E-134	process
GO:0032502	developmental process	2.76E-131	process
GO:0009792	embryo development ending in birth or egg hatching	1.12E-127	process
GO:0000003	reproduction	7.48E-112	process
GO:0022414	reproductive process	5.20E-101	process
GO:0032501	multicellular organismal process	4.69E-96	process
GO:0007049	cell cycle	4.08E-95	process
GO:0006996	organelle organization	3.08E-89	process
GO:0005488	binding	7.33E-74	function
GO:0005515	protein binding	3.56E-54	function
GO:0003676	nucleic acid binding	7.84E-37	function
GO:1901363	heterocyclic compound binding	6.57E-35	function
GO:0097159	organic cyclic compound binding	8.29E-35	function
GO:0019899	enzyme binding	2.88E-16	function
GO:0003677	DNA binding	3.79E-16	function
GO:0005524	ATP binding	3.55E-12	function
GO:0032559	adenyl ribonucleotide binding	3.88E-12	function
GO:0030554	adenyl nucleotide binding	4.24E-12	function
GO:0005622	intracellular	3.12E-124	component
GO:0044424	intracellular part	3.62E-124	component
GO:0005634	nucleus	3.58E-113	component
GO:0043229	intracellular organelle	3.13E-102	component
GO:0043226	organelle	6.88E-99	component
GO:0044464	cell part	5.03E-96	component
GO:0005623	cell	1.16E-95	component
GO:0043227	membrane-bounded organelle	9.12E-91	component
GO:0043231	intracellular membrane-bounded organelle	5.32E-88	component
GO:0044428	nuclear part	1.42E-66	component

ttr-1 downregulated

GOID	TERM[a]	p-value[b]	Ontology
GO:0008360	regulation of cell shape	4.76E-43	process
GO:0006796	phosphate-containing compound metabolic process	1.91E-41	process
GO:0006793	phosphorus metabolic process	3.04E-41	process
GO:0006470	protein dephosphorylation	7.42E-40	process
GO:0016311	dephosphorylation	5.16E-35	process
GO:0035335	peptidyl-tyrosine dephosphorylation	3.80E-33	process
GO:0018105	peptidyl-serine phosphorylation	2.25E-28	process
GO:0018209	peptidyl-serine modification	3.78E-28	process
GO:1901564	organonitrogen compound metabolic process	2.19E-27	process
GO:0044267	cellular protein metabolic process	8.73E-27	process
GO:0004721	phosphoprotein phosphatase activity	3.56E-41	function
GO:0004725	protein tyrosine phosphatase activity	4.45E-38	function
GO:0016791	phosphatase activity	1.86E-35	function
GO:0042578	phosphoric ester hydrolase activity	1.97E-30	function
GO:0003735	structural constituent of ribosome	7.61E-29	function
GO:0004672	protein kinase activity	9.76E-26	function
GO:0016773	phosphotransferase activity, alcohol group as acceptor	4.20E-22	function
GO:0016301	kinase activity	4.19E-21	function
GO:0004715	non-membrane spanning protein tyrosine kinase activity	5.68E-19	function
GO:0016788	hydrolase activity, acting on ester bonds	3.20E-17	function
GO:0022626	cytosolic ribosome	2.24E-37	component
GO:0022625	cytosolic large ribosomal subunit	3.73E-29	component
GO:0044391	ribosomal subunit	5.54E-27	component
GO:0005840	ribosome	1.01E-22	component
GO:0044445	cytosolic part	4.24E-22	component

GO:0015934	large ribosomal subunit	1.41E-20	component
GO:0031143	pseudopodium	1.18E-12	component
GO:0022627	cytosolic small ribosomal subunit	3.02E-10	component
GO:0031234	extrinsic component of cytoplasmic side of plasma membrane	4.45E-10	component
GO:0009898	cytoplasmic side of plasma membrane	1.11E-07	component

ttr-1::gfp upregulated

GOID	TERM[a]	p-value[b]	Ontology
GO:0048731	system development	3.45E-16	process
GO:0022414	reproductive process	2.72E-15	process
GO:0007049	cell cycle	5.85E-15	process
GO:0007275	multicellular organism development	4.12E-14	process
GO:0000278	mitotic cell cycle	6.02E-14	process
GO:0048856	anatomical structure development	1.25E-13	process
GO:1903047	mitotic cell cycle process	1.36E-13	process
GO:0051301	cell division	2.56E-13	process
GO:0003006	developmental process involved in reproduction	7.14E-13	process
GO:0048513	animal organ development	1.71E-12	process
GO:0042302	structural constituent of cuticle	7.35E-18	function
GO:0005488	binding	1.65E-08	function
GO:0005515	protein binding	4.09E-07	function
GO:0005198	structural molecule activity	7.62E-07	function
GO:0003677	DNA binding	9.28E-05	function
GO:0003730	mRNA 3'-UTR binding	0.000440257	function
GO:0003676	nucleic acid binding	0.000767516	function
GO:0003690	double-stranded DNA binding	0.007102486	function
GO:0005581	collagen trimer	8.85E-15	component
GO:0043234	protein complex	5.47E-09	component
GO:0005634	nucleus	8.07E-08	component
GO:0005694	chromosome	6.58E-07	component
GO:0005938	cell cortex	2.61E-05	component
GO:0043186	P granule	3.79E-05	component
GO:0045495	pole plasm	3.79E-05	component
GO:0060293	germ plasm	3.79E-05	component
GO:0032991	macromolecular complex	6.20E-05	component
GO:0099568	cytoplasmic region	6.29E-05	component

ttr-1::gfp downregulated

GOID	TERM[a]	p-value[b]	Ontology
GO:0044281	small molecule metabolic process	1.62E-34	process
GO:0019752	carboxylic acid metabolic process	3.62E-31	process
GO:0006082	organic acid metabolic process	5.10E-29	process
GO:0043436	oxoacid metabolic process	5.10E-29	process
GO:0055114	oxidation-reduction process	7.90E-28	process
GO:0006793	phosphorus metabolic process	2.83E-23	process
GO:0006796	phosphate-containing compound metabolic process	1.25E-21	process
GO:0032787	monocarboxylic acid metabolic process	5.78E-17	process
GO:0009126	purine nucleoside monophosphate metabolic process	4.54E-15	process
GO:0009167	purine ribonucleoside monophosphate metabolic process	4.54E-15	process
GO:0003824	catalytic activity	1.04E-32	function
GO:0016491	oxidoreductase activity	5.16E-22	function
GO:0016791	phosphatase activity	7.12E-15	function
GO:0004725	protein tyrosine phosphatase activity	2.65E-14	function
GO:0004721	phosphoprotein phosphatase activity	2.92E-14	function
GO:0048037	cofactor binding	8.17E-14	function
GO:0042578	phosphoric ester hydrolase activity	2.94E-13	function
GO:0016788	hydrolase activity, acting on ester bonds	4.25E-10	function
GO:0003954	NADH dehydrogenase activity	4.78E-10	function
GO:0008137	NADH dehydrogenase (ubiquinone) activity	1.65E-09	function
GO:0070469	respiratory chain	1.52E-22	component
GO:0098803	respiratory chain complex	1.94E-19	component
GO:0098800	inner mitochondrial membrane protein complex	1.06E-18	component

GO:0005746	mitochondrial respiratory chain	1.60E-18	component
GO:0044455	mitochondrial membrane part	2.46E-18	component
GO:0098798	mitochondrial protein complex	1.76E-17	component
GO:0005743	mitochondrial inner membrane	2.54E-16	component
GO:0031966	mitochondrial membrane	1.22E-15	component
GO:1990204	oxidoreductase complex	1.76E-15	component
GO:0019866	organelle inner membrane	2.69E-15	component

Downregulated in *ttr-1;daf-16* vs. *ttr-1*

GOID	TERM[a]	p-value[b]	Ontology
GO:0008360	regulation of cell shape	2.93E-14	process
GO:0006796	phosphate-containing compound metabolic process	2.22E-13	process
GO:0006793	phosphorus metabolic process	1.11E-12	process
GO:0006470	protein dephosphorylation	5.57E-12	process
GO:0035335	peptidyl-tyrosine dephosphorylation	3.47E-11	process
GO:0006464	cellular protein modification process	4.46E-11	process
GO:0036211	protein modification process	4.46E-11	process
GO:0018105	peptidyl-serine phosphorylation	2.75E-10	process
GO:0018209	peptidyl-serine modification	3.17E-10	process
GO:0022604	regulation of cell morphogenesis	1.09E-09	process
GO:0004721	phosphoprotein phosphatase activity	1.24E-12	function
GO:0004725	protein tyrosine phosphatase activity	4.06E-12	function
GO:0004672	protein kinase activity	3.17E-09	function
GO:0016791	phosphatase activity	3.19E-09	function
GO:0003824	catalytic activity	6.20E-09	function
GO:0016773	phosphotransferase activity, alcohol group as acceptor	3.77E-08	function
GO:0016301	kinase activity	8.37E-08	function
GO:0042578	phosphoric ester hydrolase activity	9.80E-08	function
GO:0004715	non-membrane spanning protein tyrosine kinase activity	1.02E-07	function
GO:0016772	transferase activity, transferring phosphorus-containing groups	4.01E-06	function
GO:0031234	extrinsic component of cytoplasmic side of plasma membrane	2.33E-06	component
GO:0009898	cytoplasmic side of plasma membrane	2.22E-05	component
GO:0019897	extrinsic component of plasma membrane	2.95E-05	component
GO:0098562	cytoplasmic side of membrane	3.38E-05	component
GO:0098552	side of membrane	4.43E-05	component
GO:0019898	extrinsic component of membrane	0.000808893	component

[a] Shown are top GO annotations enriched among genes indicated in table heading.
[b] Bonferroni-corrected.

Table S4. Shared genes upregulated in *eat-2(ad465)* mutants and downregulated in *ttr-1(ok2250)* mutants.

WormBase Gene ID	Public Name	Sequence Name
WBGene00017392	basl-2	F12A10.3
WBGene00018004	F33D11.7	F33D11.7
WBGene00017644	exc-9	F20D12.5
WBGene00018001	F33D11.2	F33D11.2
WBGene00017647	F20H11.4	F20H11.4
WBGene00012642	Y39A1A.2	Y39A1A.2
WBGene00018360	irld-8	F42G8.9
WBGene00008498	F01D5.8	F01D5.8
WBGene00010982	flp-32	R03A10.2
WBGene00002011	hsp-12.2	C14B9.1
WBGene00012720	Y39E4B.11	Y39E4B.11
WBGene00007517	gpx-3	C11E4.2
WBGene00008912	F17C8.7	F17C8.7
WBGene00007512	C10C6.3	C10C6.3
WBGene00013037	Y49E10.18	Y49E10.18
WBGene00013036	fbxa-218	Y49E10.17
WBGene00013033	Y49E10.10	Y49E10.10
WBGene00013032	wht-9	Y49E10.9
WBGene00011297	R102.10	R102.10
WBGene00010869	M05B5.1	M05B5.1
WBGene00009513	sfxn-1.2	F37H8.4
WBGene00003628	nhr-35	C07A12.3
WBGene00189952	K10D2.8	K10D2.8
WBGene00009702	F44F4.3	F44F4.3
WBGene00007209	BE10.1	BE10.1
WBGene00018318	F41H10.5	F41H10.5
WBGene00020635	T20H4.2	T20H4.2
WBGene00014082	ZK795.2	ZK795.2
WBGene00018098	F36F12.7	F36F12.7
WBGene00022778	ZK616.8	ZK616.8
WBGene00009708	F44G3.7	F44G3.7
WBGene00011191	R10D12.10	R10D12.10
WBGene00012926	Y47D3A.13	Y47D3A.13
WBGene00012925	wht-8	Y47D3A.11
WBGene00015287	osta-1	C01B12.4
WBGene00015030	B0207.7	B0207.7
WBGene00007948	C35A5.4	C35A5.4
WBGene00009457	F36A2.10	F36A2.10
WBGene00017802	F26A1.3	F26A1.3
WBGene00017803	F26A1.4	F26A1.4
WBGene00014246	ZK1307.3	ZK1307.3
WBGene00012859	Y45F3A.1	Y45F3A.1
WBGene00003751	nlp-13	E03D2.1
WBGene00013526	Y73F8A.20	Y73F8A.20
WBGene00009948	F52H3.6	F52H3.6
WBGene00015360	C02G6.2	C02G6.2
WBGene00011748	T13F2.9	T13F2.9
WBGene00009324	F32B6.10	F32B6.10
WBGene00009941	F52F12.8	F52F12.8
WBGene00013651	Y105C5B.11	Y105C5B.11
WBGene00194654	M05B5.7	M05B5.7
WBGene00015855	C16C8.18	C16C8.18
WBGene00008381	D1081.3	D1081.3
WBGene00008383	D1081.5	D1081.5
WBGene00011425	T04B2.7	T04B2.7
WBGene00010915	M110.7	M110.7
WBGene00010906	M88.3	M88.3
WBGene00022260	Y73C8B.3	Y73C8B.3
WBGene00011586	flp-33	T07D10.6
WBGene00008423	D2045.5	D2045.5
WBGene00020084	R105.1	R105.1
WBGene00016085	C25A8.5	C25A8.5
WBGene00022617	ZC477.2	ZC477.2
WBGene00008541	F07A5.2	F07A5.2
WBGene00009016	F21D9.2	F21D9.2
WBGene00016462	C35E7.10	C35E7.10
WBGene00016461	C35E7.9	C35E7.9
WBGene00000878	cyn-2	ZK520.5
WBGene00020590	T19H12.6	T19H12.6
WBGene00008548	F07A11.5	F07A11.5
WBGene00007631	wht-3	C16C10.12
WBGene00007632	C16C10.13	C16C10.13
WBGene00007633	C16D2.1	C16D2.1
WBGene00010980	R02D5.7	R02D5.7
WBGene00004026	phy-3	T20B3.7
WBGene00014062	ZK673.6	ZK673.6
WBGene00001394	fat-2	W02A2.1
WBGene00020265	fbxa-196	T05H4.2
WBGene00013299	irld-18	Y57G11B.7
WBGene00016083	C25A8.2	C25A8.2
WBGene00013357	clec-260	Y60A3A.2
WBGene00017736	F23C8.7	F23C8.7
WBGene00017737	F23C8.8	F23C8.8
WBGene00013987	ZK512.8	ZK512.8
WBGene00021880	Y54G2A.15	Y54G2A.15
WBGene00004084	pph-2	C29E6.3
WBGene00013452	Y67A10A.3	Y67A10A.3
WBGene00015215	B0496.6	B0496.6
WBGene00019063	F58F12.3	F58F12.3
WBGene00021889	Y54G2A.24	Y54G2A.24
WBGene00009459	F36A2.12	F36A2.12
WBGene00014103	best-26	ZK849.5
WBGene00012102	T27F6.1	T27F6.1
WBGene00014996	ZK1251.5	ZK1251.5
WBGene00007977	gska-3	C36B1.10
WBGene00019410	K05F1.9	K05F1.9
WBGene00011926	sptf-2	T22C8.5
WBGene00044777	T02B11.9	T02B11.9
WBGene00045355	D1086.17	D1086.17
WBGene00017354	F10E9.2	F10E9.2
WBGene00194787	T16G1.13	T16G1.13
WBGene00013858	ssp-34	ZC168.6
WBGene00022467	Y119C1B.1	Y119C1B.1
WBGene00010046	F54D1.1	F54D1.1
WBGene00007049	tag-191	C53A5.4
WBGene00021271	spe-47	Y23H5A.4
WBGene00018196	nep-13	F39E9.4
WBGene00017026	ipla-4	D1037.5
WBGene00022849	acs-6	ZK1127.2
WBGene00013854	cyc-2.2	ZC116.2

WBGene00010324	F59C6.3	F59C6.3
WBGene00014121	ZK858.8	ZK858.8
WBGene00014201	ZK1053.6	ZK1053.6
WBGene00010254	F58E6.5	F58E6.5
WBGene00011290	R102.3	R102.3
WBGene00013186	Y53H1C.3	Y53H1C.3
WBGene00011322	irld-14	T01C3.5
WBGene00002272	lec-9	C16H3.2
WBGene00002271	lec-8	R07B1.10
WBGene00010381	H12D21.5	H12D21.5
WBGene00008832	obr-2	F14H8.1
WBGene00008831	F14H3.12	F14H3.12
WBGene00008724	F13A7.1	F13A7.1
WBGene00013771	Y113G7C.1	Y113G7C.1
WBGene00008935	F18C12.4	F18C12.4
WBGene00021472	Y39G10AR.16	Y39G10AR.16
WBGene00008950	wht-5	F19B6.4
WBGene00012219	W03C9.1	W03C9.1
WBGene00019949	R08C7.5	R08C7.5
WBGene00009129	F25H5.7	F25H5.7
WBGene00013138	Y53C10A.10	Y53C10A.10
WBGene00012357	W09D6.4	W09D6.4
WBGene00018502	F46F5.11	F46F5.11
WBGene00014128	ZK892.4	ZK892.4
WBGene00015820	C16A11.7	C16A11.7
WBGene00044177	C30G7.3	C30G7.3
WBGene00009125	F25H5.2	F25H5.2
WBGene00007380	C06C6.6	C06C6.6
WBGene00007381	C06C6.7	C06C6.7
WBGene00011954	T23F11.2	T23F11.2
WBGene00014660	B0457.3	B0457.3
WBGene00021010	W03G1.2	W03G1.2
WBGene00044270	F35E2.10	F35E2.10
WBGene00014665	C04G2.3	C04G2.3
WBGene00019461	K07A3.3	K07A3.3
WBGene00022763	ZK546.7	ZK546.7
WBGene00010136	F55H12.5	F55H12.5
WBGene00022761	ZK546.4	ZK546.4
WBGene00022760	ZK546.3	ZK546.3
WBGene00012087	T27E7.1	T27E7.1
WBGene00014104	ZK849.6	ZK849.6
WBGene00013069	Y51A2B.5	Y51A2B.5
WBGene00004903	snf-4	Y46G5A.25
WBGene00022288	Y75B7B.1	Y75B7B.1
WBGene00021265	Y22D7AR.12	Y22D7AR.12
WBGene00004906	snf-7	ZK1010.9
WBGene00012605	Y38F1A.1	Y38F1A.1
WBGene00004904	snf-5	Y46G5A.30
WBGene00016181	C28C12.11	C28C12.11
WBGene00012609	Y38F1A.7	Y38F1A.7
WBGene00016183	C28F5.1	C28F5.1
WBGene00012979	Y48B6A.5	Y48B6A.5
WBGene00008594	clec-57	F08H9.6
WBGene00194912	ZK856.18	ZK856.18
WBGene00008590	F08H9.2	F08H9.2
WBGene00077701	poml-3	E01A2.10
WBGene00007559	C14A4.8	C14A4.8
WBGene00013824	Y116F11B.8	Y116F11B.8
WBGene00013070	Y51A2B.6	Y51A2B.6
WBGene00011392	sbt-1	T03D8.3
WBGene00008754	F13E9.5	F13E9.5
WBGene00019568	K09D9.11	K09D9.11
WBGene00013279	Y57A10B.7	Y57A10B.7
WBGene00010373	H08M01.1	H08M01.1
WBGene00017325	F10C1.3	F10C1.3
WBGene00016765	C49C8.1	C49C8.1
WBGene00000021	abt-3	F55G11.9
WBGene00000023	abt-5	Y53C10A.9
WBGene00020070	rmd-6	R13H9.1
WBGene00020840	spch-3	T27A3.4
WBGene00020841	T27A3.5	T27A3.5
WBGene00016137	C26E6.1	C26E6.1
WBGene00044005	F37C12.18	F37C12.18
WBGene00044003	Y41E3.18	Y41E3.18
WBGene00021471	Y39G10AR.15	Y39G10AR.15
WBGene00009581	F40F9.3	F40F9.3
WBGene00021908	Y55B1AR.4	Y55B1AR.4
WBGene00018531	F47B3.7	F47B3.7
WBGene00015629	C09B9.4	C09B9.4
WBGene00020116	moa-1	R155.2
WBGene00020117	R155.3	R155.3
WBGene00018135	F37A4.5	F37A4.5
WBGene00044896	K12C11.5	K12C11.5
WBGene00017515	F16F9.4	F16F9.4
WBGene00015558	C06G4.4	C06G4.4
WBGene00206357	C09D4.9	C09D4.9
WBGene00016357	C33F10.11	C33F10.11
WBGene00017922	F29B9.7	F29B9.7
WBGene00016351	C33F10.1	C33F10.1
WBGene00016825	C50E10.1	C50E10.1
WBGene00004157	pqn-75	W03D2.1
WBGene00004976	spe-41	K01A11.4
WBGene00010485	ant-1.3	K01H12.2
WBGene00004972	spe-26	R10H10.2
WBGene00013723	Y106G6H.13	Y106G6H.13
WBGene00004971	spe-17	ZK617.3
WBGene00011171	R09E10.1	R09E10.1
WBGene00011173	acs-18	R09E10.3
WBGene00011174	acs-23	R09E10.4
WBGene00016605	C43E11.5	C43E11.5
WBGene00011176	R09E10.6	R09E10.6
WBGene00012679	Y39B6A.18	Y39B6A.18
WBGene00020985	W03D8.2	W03D8.2
WBGene00020984	W03D8.1	W03D8.1
WBGene00020598	T20B6.2	T20B6.2
WBGene00008508	F01G10.5	F01G10.5
WBGene00003756	nlp-18	F33A8.2
WBGene00003906	paf-1	W03G9.6
WBGene00008312	C54G4.2	C54G4.2
WBGene00017215	F07F6.1	F07F6.1
WBGene00017213	F07E5.8	F07E5.8
WBGene00020597	T20B6.1	T20B6.1
WBGene00017211	fbxb-36	F07E5.6
WBGene00008299	C54D10.4	C54D10.4
WBGene00009759	ttr-12	F46B3.4
WBGene00009458	F36A2.11	F36A2.11

WBGene00020126	flp-26	R173.4
WBGene00009755	F46A9.2	F46A9.2
WBGene00009846	F48F5.2	F48F5.2
WBGene00019512	K08A2.2	K08A2.2
WBGene00044300	D1022.9	D1022.9
WBGene00001487	frk-1	T04B2.2
WBGene00016730	C46H11.6	C46H11.6
WBGene00016807	C50D2.3	C50D2.3
WBGene00013823	Y116F11B.7	Y116F11B.7
WBGene00012809	Y43F8A.2	Y43F8A.2
WBGene00003437	msp-42	F26G1.8
WBGene00017071	aagr-1	D2096.3
WBGene00017179	wht-4	F02E11.1
WBGene00020435	T11F8.4	T11F8.4
WBGene00017175	irld-3	F02C9.4
WBGene00008259	C52E4.7	C52E4.7
WBGene00013524	Y73F8A.15	Y73F8A.15
WBGene00012554	Y37D8A.16	Y37D8A.16
WBGene00003460	msp-71	F59A6.8
WBGene00017851	F27C1.1	F27C1.1
WBGene00020707	wago-10	T22H9.3
WBGene00017853	F27C1.3	F27C1.3
WBGene00020187	gsp-4	T03F1.5
WBGene00007986	C36F7.5	C36F7.5
WBGene00007987	C36H8.1	C36H8.1
WBGene00022634	ZC581.7	ZC581.7
WBGene00010779	K11H3.2	K11H3.2
WBGene00012786	Y43C5B.3	Y43C5B.3
WBGene00011777	T14G10.8	T14G10.8
WBGene00012784	Y43C5A.4	Y43C5A.4
WBGene00009321	F32B6.4	F32B6.4
WBGene00009215	thn-2	F28D1.5
WBGene00012855	Y44A6D.5	Y44A6D.5
WBGene00011472	T05C12.9	T05C12.9
WBGene00010246	F58D5.7	F58D5.7
WBGene00022542	ZC190.8	ZC190.8
WBGene00022541	ZC190.7	ZC190.7
WBGene00045484	F34D10.9	F34D10.9
WBGene00022622	ZC477.10	ZC477.10
WBGene00010679	K08F4.5	K08F4.5
WBGene00022548	ZC196.4	ZC196.4
WBGene00019430	K06A5.2	K06A5.2
WBGene00015024	B0205.10	B0205.10
WBGene00014154	ZK930.4	ZK930.4
WBGene00014157	ZK930.7	ZK930.7
WBGene00014156	ZK930.6	ZK930.6
WBGene00008871	tag-314	F15H10.4
WBGene00008870	F15H9.1	F15H9.1
WBGene00014158	ZK938.1	ZK938.1
WBGene00011493	T05F1.8	T05F1.8
WBGene00077519	T27C10.8	T27C10.8
WBGene00013304	Y57G11C.6	Y57G11C.6
WBGene00018783	cbs-2	F54A3.4
WBGene00013303	Y57G11C.5	Y57G11C.5
WBGene00017057	D2062.5	D2062.5
WBGene00009572	F40D4.13	F40D4.13
WBGene00012250	W04E12.5	W04E12.5
WBGene00012595	Y38E10A.17	Y38E10A.17
WBGene00011478	T05D4.5	T05D4.5
WBGene00009471	F36D3.5	F36D3.5
WBGene00011918	T22C1.8	T22C1.8
WBGene00011850	T20B3.1	T20B3.1
WBGene00015049	B0218.5	B0218.5
WBGene00005013	jmjd-1.1	F43G6.6
WBGene00011910	alg-3	T22B3.2
WBGene00011911	T22B3.3	T22B3.3
WBGene00014805	K08H10.5	K08H10.5
WBGene00019425	K06A1.2	K06A1.2
WBGene00014029	ZK637.12	ZK637.12
WBGene00007675	C18D4.6	C18D4.6
WBGene00012307	W06F12.3	W06F12.3
WBGene00010072	F54F12.1	F54F12.1
WBGene00007117	spe-42	B0240.2
WBGene00077569	F53F4.18	F53F4.18
WBGene00013785	nep-23	Y116A8C.4
WBGene00021428	Y38F2AR.10	Y38F2AR.10
WBGene00021632	Y47D9A.5	Y47D9A.5
WBGene00015929	C17H12.3	C17H12.3
WBGene00021639	Y47G6A.13	Y47G6A.13
WBGene00011491	T05F1.5	T05F1.5
WBGene00007457	C08F11.10	C08F11.10
WBGene00000546	clp-6	Y77E11A.10
WBGene00011214	R10E9.2	R10E9.2
WBGene00007320	C05B5.2	C05B5.2
WBGene00008651	F10D11.5	F10D11.5
WBGene00008650	F10D11.4	F10D11.4
WBGene00008657	clec-154	F10F2.5
WBGene00009605	F40G12.10	F40G12.10
WBGene00022709	ZK354.8	ZK354.8
WBGene00008659	clec-151	F10F2.7
WBGene00008658	clec-152	F10F2.6
WBGene00008802	acp-2	F14E5.4
WBGene00021006	dct-9	W03F11.3
WBGene00016839	C50F2.5	C50F2.5
WBGene00016963	C56C10.6	C56C10.6
WBGene00016161	C27D6.3	C27D6.3
WBGene00009377	F34D10.8	F34D10.8
WBGene00020802	btb-2	T25D10.5
WBGene00018253	F40H6.1	F40H6.1
WBGene00009271	glna-3	F30F8.2
WBGene00018232	F40E3.5	F40E3.5
WBGene00016177	C28C12.1	C28C12.1
WBGene00044127	BE10.5	BE10.5
WBGene00018498	F46F5.7	F46F5.7
WBGene00010290	F58H1.7	F58H1.7
WBGene00044122	T28B8.6	T28B8.6
WBGene00019081	F59A3.8	F59A3.8
WBGene00019084	F59A6.2	F59A6.2
WBGene00009178	uggt-2	F26H9.8
WBGene00019086	F59A6.4	F59A6.4
WBGene00195147	F14E5.8	F14E5.8
WBGene00016707	C46E10.1	C46E10.1
WBGene00012638	Y38H8A.4	Y38H8A.4
WBGene00015511	C06A6.7	C06A6.7
WBGene00015516	C06A8.6	C06A8.6
WBGene00017384	F11G11.4	F11G11.4

WBGene00017387	mpst-4	F11G11.9
WBGene00019810	R01H2.2	R01H2.2
WBGene00011134	ssp-33	R08A2.3
WBGene00020659	T21G5.1	T21G5.1
WBGene00012637	Y38H8A.3	Y38H8A.3
WBGene00019950	clec-175	R08C7.6
WBGene00019951	R08C7.8	R08C7.8
WBGene00009193	F27E5.3	F27E5.3
WBGene00020292	nep-19	T06D4.3
WBGene00010992	R03D7.8	R03D7.8
WBGene00006039	ssp-10	K07F5.9
WBGene00015688	C10G11.8	C10G11.8
WBGene00015689	spch-2	C10G11.9
WBGene00012886	Y45F10D.6	Y45F10D.6
WBGene00008154	C47E12.11	C47E12.11
WBGene00015997	C18H7.7	C18H7.7
WBGene00015994	C18H7.4	C18H7.4
WBGene00015992	C18H2.5	C18H2.5
WBGene00015990	C18H2.3	C18H2.3
WBGene00015991	C18H2.4	C18H2.4
WBGene00016382	C33H5.16	C33H5.16
WBGene00013049	Y50E8A.6	Y50E8A.6
WBGene00018083	F36A4.4	F36A4.4
WBGene00018082	F36A4.3	F36A4.3
WBGene00018081	F36A4.2	F36A4.2
WBGene00021381	Y37E11B.10	Y37E11B.10
WBGene00018773	F53G12.8	F53G12.8
WBGene00020898	T28D9.9	T28D9.9
WBGene00019556	K09C6.2	K09C6.2
WBGene00009714	F44G4.5	F44G4.5
WBGene00044347	Y71G12B.30	Y71G12B.30
WBGene00019255	H32C10.1	H32C10.1
WBGene00019257	dhhc-13	H32C10.3
WBGene00020890	fbxa-202	T28C12.3
WBGene00012937	Y47D3A.31	Y47D3A.31
WBGene00016675	C45G9.4	C45G9.4
WBGene00016698	C46A5.1	C46A5.1
WBGene00012180	W01D2.3	W01D2.3
WBGene00010510	ent-3	K02E11.1
WBGene00015354	snet-1	C02F12.3
WBGene00015422	C04E6.5	C04E6.5
WBGene00015351	C02F5.10	C02F5.10
WBGene00017817	F26B1.5	F26B1.5
WBGene00015421	C04E6.4	C04E6.4
WBGene00011008	R04B5.11	R04B5.11
WBGene00009956	F53B2.5	F53B2.5
WBGene00018930	F56B3.6	F56B3.6
WBGene00022751	msrp-2	ZK484.5
WBGene00001462	flp-19	M79.4
WBGene00001461	flp-18	Y48D7A.2
WBGene00012741	Y40H4A.2	Y40H4A.2
WBGene00015192	B0432.11	B0432.11
WBGene00015193	clec-117	B0432.12
WBGene00009959	F53B6.4	F53B6.4
WBGene00194700	B0025.5	B0025.5
WBGene00010634	K07F5.6	K07F5.6
WBGene00009492	F36H1.3	F36H1.3
WBGene00010636	K07F5.8	K07F5.8
WBGene00000544	clp-3	Y47H10A.1
WBGene00194816	ZK616.61	ZK616.61
WBGene00010920	M117.4	M117.4
WBGene00011438	T04F3.3	T04F3.3
WBGene00012297	W06D4.3	W06D4.3
WBGene00017554	nep-9	F18A12.5
WBGene00020661	smz-2	T21G5.4
WBGene00018178	F38E1.3	F38E1.3
WBGene00017550	nep-6	F18A12.1
WBGene00010712	K09B11.5	K09B11.5
WBGene00016491	acdh-5	C37A2.3
WBGene00009005	F21C3.6	F21C3.6
WBGene00018168	irld-7	F38A5.11
WBGene00015907	C17F3.1	C17F3.1
WBGene00012684	Y39B6A.25	Y39B6A.25
WBGene00022530	ZC155.2	ZC155.2
WBGene00050919	C45G9.15	C45G9.15
WBGene00022876	ZK1248.5	ZK1248.5
WBGene00022155	Y71G12B.17	Y71G12B.17
WBGene00020372	T09A12.1	T09A12.1
WBGene00015229	fbxa-125	B0511.3
WBGene00020370	T08H10.3	T08H10.3
WBGene00020377	T09B4.3	T09B4.3
WBGene00012296	spe-46	W06D4.2
WBGene00015917	C17G10.3	C17G10.3
WBGene00020075	math-35	R52.3
WBGene00010829	M02B1.4	M02B1.4
WBGene00008874	F15H10.7	F15H10.7
WBGene00044763	ZK688.12	ZK688.12
WBGene00013586	Y80D3A.8	Y80D3A.8
WBGene00009401	F35C11.2	F35C11.2
WBGene00011129	R07H5.9	R07H5.9
WBGene00006056	sss-1	F32B6.5
WBGene00019812	R01H2.4	R01H2.4
WBGene00022085	Y69A2AR.14	Y69A2AR.14
WBGene00017975	F32B5.1	F32B5.1
WBGene00015006	B0041.1	B0041.1
WBGene00020388	T10B5.2	T10B5.2
WBGene00011919	T22C1.9	T22C1.9
WBGene00018163	F38A5.6	F38A5.6
WBGene00017035	D1065.3	D1065.3
WBGene00010241	F58D2.2	F58D2.2
WBGene00002208	kin-26	T06C10.6
WBGene00007249	C01G12.9	C01G12.9
WBGene00007248	catp-4	C01G12.8
WBGene00010247	F58D5.8	F58D5.8
WBGene00016246	daf-37	C30B5.5
WBGene00022705	ZK354.2	ZK354.2
WBGene00007244	C01G12.3	C01G12.3
WBGene00022707	ZK354.6	ZK354.6
WBGene00010563	K04G2.4	K04G2.4
WBGene00002206	kin-24	K07F5.4
WBGene00022700	ZK353.4	ZK353.4
WBGene00002204	kin-21	W08D2.8
WBGene00013290	Y57G11A.2	Y57G11A.2
WBGene00000638	col-62	C15A11.6
WBGene00013886	ZC412.5	ZC412.5
WBGene00010091	ssp-35	F55C5.1

WBGene00010092	F55C5.2	F55C5.2
WBGene00013296	Y57G11B.3	Y57G11B.3
WBGene00012207	W02B12.12	W02B12.12
WBGene00009501	F37A8.1	F37A8.1
WBGene00009502	F37A8.2	F37A8.2
WBGene00018563	F47D12.7	F47D12.7
WBGene00000389	cdc-25.4	R05H5.2
WBGene00018926	F56A11.6	F56A11.6
WBGene00012169	W01B6.2	W01B6.2
WBGene00001945	his-71	F45E1.6
WBGene00019773	M04G7.2	M04G7.2
WBGene00022888	rnh-1.1	ZK1290.6
WBGene00045060	F55B11.7	F55B11.7
WBGene00007503	C09H10.9	C09H10.9
WBGene00021633	Y47G6A.3	Y47G6A.3
WBGene00022795	ZK686.5	ZK686.5
WBGene00021007	W03F11.4	W03F11.4
WBGene00006863	gyg-1	F56B6.4
WBGene00001776	gst-28	Y53F4B.31
WBGene00022008	Y59H11AM.4	Y59H11AM.4
WBGene00014116	ZK858.2	ZK858.2
WBGene00019912	R06B10.1	R06B10.1
WBGene00019913	R06B10.2	R06B10.2
WBGene00018332	F42A9.3	F42A9.3
WBGene00018235	F40E12.2	F40E12.2
WBGene00021214	hasp-2	Y18H1A.10
WBGene00021215	Y18H1A.11	Y18H1A.11
WBGene00016587	C42C1.9	C42C1.9
WBGene00021115	W09C3.8	W09C3.8
WBGene00007563	C14A4.13	C14A4.13
WBGene00011260	cnnm-5	R13G10.4
WBGene00002100	ins-17	F56F3.6
WBGene00008581	acl-13	F08G5.2
WBGene00009473	F36D3.8	F36D3.8
WBGene00010895	M28.4	M28.4
WBGene00008662	F10G8.2	F10G8.2
WBGene00008660	clec-153	F10F2.8
WBGene00022162	Y71G12B.27	Y71G12B.27
WBGene00007763	C27B7.6	C27B7.6
WBGene00009079	F23B12.1	F23B12.1
WBGene00050956	C14A6.13	C14A6.13
WBGene00013165	Y53F4B.19	Y53F4B.19
WBGene00010014	F54B3.2	F54B3.2
WBGene00020854	T27C4.1	T27C4.1
WBGene00044388	C27D6.11	C27D6.11
WBGene00009344	F32H2.7	F32H2.7
WBGene00016336	C33C12.4	C33C12.4
WBGene00021858	Y54F10BM.3	Y54F10BM.3
WBGene00010245	F58D5.6	F58D5.6
WBGene00002198	kin-14	F22D6.1
WBGene00009226	cyp-37B1	F28G4.1
WBGene00014238	ZK1225.4	ZK1225.4
WBGene00009592	F40F12.3	F40F12.3
WBGene00019216	H20J04.1	H20J04.1
WBGene00002193	kin-5	T13H10.1
WBGene00017636	F20D6.6	F20D6.6
WBGene00021678	Y48G1C.5	Y48G1C.5
WBGene00020105	R148.7	R148.7
WBGene00016440	gipc-1	C35D10.2
WBGene00016445	C35D10.8	C35D10.8
WBGene00015467	basl-1	C05D2.3
WBGene00018148	F37C4.8	F37C4.8
WBGene00021457	Y39F10C.1	Y39F10C.1
WBGene00001424	fis-1	F41G3.4
WBGene00006048	ssp-31	ZK1225.6
WBGene00004964	spe-10	AC3.10
WBGene00004966	spe-12	T02E1.1
WBGene00004960	spe-6	Y66D12A.20
WBGene00004963	spe-9	C17D12.6
WBGene00004962	spe-8	F53G12.6
WBGene00011997	nlp-51	T24F1.5
WBGene00006044	ssp-16	T27A3.3
WBGene00077563	peel-1	Y39G10AR.25
WBGene00012946	Y47H9B.2	Y47H9B.2
WBGene00008063	C41G7.6	C41G7.6
WBGene00020580	T19D12.5	T19D12.5
WBGene00018336	F42A9.7	F42A9.7
WBGene00015944	C18A3.7	C18A3.7
WBGene00021386	Y37F4.5	Y37F4.5
WBGene00015084	B0244.9	B0244.9
WBGene00009043	F22B5.5	F22B5.5
WBGene00009042	F22B5.4	F22B5.4
WBGene00006449	alg-4	ZK757.3
WBGene00219296	C54C6.11	C54C6.11
WBGene00016742	C48B6.4	C48B6.4
WBGene00019506	K07H8.5	K07H8.5
WBGene00015089	B0252.5	B0252.5
WBGene00020617	T20D4.11	T20D4.11
WBGene00022833	ZK973.4	ZK973.4
WBGene00012547	Y37D8A.5	Y37D8A.5
WBGene00001754	gst-6	F11G11.3
WBGene00007060	wht-6	T26A5.1
WBGene00022834	ZK973.8	ZK973.8
WBGene00015094	B0261.6	B0261.6
WBGene00013053	Y50E8A.10	Y50E8A.10
WBGene00022298	Y76B12C.4	Y76B12C.4
WBGene00012401	irld-57	Y6E2A.8
WBGene00019135	math-32	F59H6.4
WBGene00015305	C01G5.3	C01G5.3
WBGene00000984	dhs-21	R11D1.11
WBGene00012012	T25B9.6	T25B9.6
WBGene00011683	phat-6	T10B10.6
WBGene00001458	flp-15	ZK525.1
WBGene00001459	flp-16	F15D4.8
WBGene00001456	flp-13	F33D4.3
WBGene00001457	flp-14	Y37D8A.15
WBGene00001454	flp-11	K02G10.4
WBGene00001455	flp-12	C05E11.8
WBGene00001452	flp-9	C36H8.3
WBGene00016843	C50F7.3	C50F7.3
WBGene00001451	flp-8	F31F6.4
WBGene00045247	F54H12.8	F54H12.8
WBGene00013087	Y51B9A.5	Y51B9A.5
WBGene00015630	C09B9.7	C09B9.7
WBGene00013085	mpz-6	Y51B9A.3
WBGene00050943	ZC412.10	ZC412.10

WBGene00022630	fbxa-223	ZC513.10
WBGene00013949	ZK262.2	ZK262.2
WBGene00022632	ZC581.2	ZC581.2
WBGene00020531	T15B12.2	T15B12.2
WBGene00020533	T16A1.2	T16A1.2
WBGene00016416	C34F11.5	C34F11.5
WBGene00016414	C34F11.2	C34F11.2
WBGene00013684	Y105E8A.27	Y105E8A.27
WBGene00007613	C15H11.1	C15H11.1
WBGene00007610	C15H7.3	C15H7.3
WBGene00007611	C15H7.4	C15H7.4
WBGene00014168	ZK945.6	ZK945.6
WBGene00014169	ZK945.7	ZK945.7
WBGene00004901	snf-2	F55H12.1
WBGene00020987	W03D8.5	W03D8.5
WBGene00007190	rmd-3	B0491.3
WBGene00012249	W04E12.4	W04E12.4
WBGene00010682	K08F8.5	K08F8.5
WBGene00020329	bath-26	T07H3.6
WBGene00000771	cpb-2	C30B5.3
WBGene00138721	pals-37	C54D10.14
WBGene00009548	F38H4.4	F38H4.4
WBGene00009549	F38H4.5	F38H4.5
WBGene00022596	ZC395.4	ZC395.4
WBGene00022597	ZC395.5	ZC395.5
WBGene00011909	T22A3.6	T22A3.6
WBGene00044205	T13F3.8	T13F3.8
WBGene00012120	T28C6.5	T28C6.5
WBGene00008661	F10G8.1	F10G8.1
WBGene00011619	T08G3.7	T08G3.7
WBGene00021969	Y57G7A.6	Y57G7A.6
WBGene00019431	K06A5.3	K06A5.3
WBGene00043147	nspd-6	C24D10.8
WBGene00011617	T08G3.4	T08G3.4
WBGene00044475	F56D6.13	F56D6.13
WBGene00001246	elo-8	Y47D3A.30
WBGene00017542	F17E9.5	F17E9.5
WBGene00022708	ZK354.7	ZK354.7
WBGene00006644	tsp-18	F59G1.2
WBGene00020862	fip-2	T27E4.4
WBGene00022110	Y71F9AL.4	Y71F9AL.4
WBGene00008313	C54G4.3	C54G4.3
WBGene00020642	T20H9.6	T20H9.6
WBGene00001603	gln-2	K03H1.1
WBGene00016541	C39H7.1	C39H7.1
WBGene00004965	spe-11	F48C1.7
WBGene00007448	C08F8.6	C08F8.6
WBGene00009313	F32B4.2	F32B4.2
WBGene00001605	gln-4	T25C8.3
WBGene00007335	C05C12.1	C05C12.1
WBGene00007337	C05C12.5	C05C12.5
WBGene00007446	mboa-4	C08F8.4
WBGene00007323	fbxa-155	C05B5.6
WBGene00002257	lbp-5	W02D3.7
WBGene00007688	C18E9.8	C18E9.8
WBGene00010323	dhhc-12	F59C6.2
WBGene00008092	gmeb-3	C44F1.2
WBGene00002259	lbp-7	T22G5.2
WBGene00009796	F46G10.1	F46G10.1
WBGene00009269	F30A10.12	F30A10.12
WBGene00195178	ZC581.10	ZC581.10
WBGene00008743	F13D12.9	F13D12.9
WBGene00019642	K11C4.1	K11C4.1
WBGene00044501	C55C3.8	C55C3.8
WBGene00195072	C16C8.22	C16C8.22
WBGene00006625	try-7	ZC581.6
WBGene00022753	ZK484.7	ZK484.7
WBGene00009143	F26A3.5	F26A3.5
WBGene00019488	K07D4.9	K07D4.9
WBGene00006409	hdl-2	C09G9.4
WBGene00009149	F26D2.10	F26D2.10
WBGene00010289	F58H1.6	F58H1.6
WBGene00006741	unc-1	K03E6.5
WBGene00013478	Y69E1A.8	Y69E1A.8
WBGene00015500	C06A5.2	C06A5.2
WBGene00016717	math-22	C46F9.1
WBGene00018065	F35F11.2	F35F11.2
WBGene00010265	F58G1.3	F58G1.3
WBGene00011088	kmo-2	R07B7.4
WBGene00018068	F35H10.2	F35H10.2
WBGene00011120	R07E5.15	R07E5.15
WBGene00006553	tbx-34	Y47D3A.10
WBGene00012627	Y38H6C.15	Y38H6C.15
WBGene00018347	F42C5.5	F42C5.5
WBGene00011203	R10E4.7	R10E4.7
WBGene00015106	B0280.11	B0280.11
WBGene00015696	C10H11.7	C10H11.7
WBGene00020140	ant-1.4	T01B11.4
WBGene00012402	sfxn-1.3	Y6E2A.9
WBGene00007538	C12D8.9	C12D8.9
WBGene00016399	C34D4.3	C34D4.3
WBGene00016398	C34D4.2	C34D4.2
WBGene00015987	C18G1.9	C18G1.9
WBGene00013052	scrm-7	Y50E8A.9
WBGene00013055	Y50E8A.12	Y50E8A.12
WBGene00021398	Y38C1AA.7	Y38C1AA.7
WBGene00018745	F53C3.1	F53C3.1
WBGene00015988	C18H2.1	C18H2.1
WBGene00021968	Y57G7A.5	Y57G7A.5
WBGene00044476	F56D6.14	F56D6.14
WBGene00020864	oac-50	T27E4.6
WBGene00021787	Y51H7C.9	Y51H7C.9
WBGene00009643	F42G4.6	F42G4.6
WBGene00015165	B0361.11	B0361.11
WBGene00020713	T23B3.5	T23B3.5
WBGene00019260	H34I24.1	H34I24.1
WBGene00019261	H34I24.2	H34I24.2
WBGene00007222	C01F6.2	C01F6.2
WBGene00018980	F56F4.3	F56F4.3
WBGene00007791	C28A5.6	C28A5.6
WBGene00000820	csp-2	Y73B6BL.7
WBGene00044015	K06A4.8	K06A4.8
WBGene00012191	W02A2.8	W02A2.8
WBGene00015348	C02F5.5	C02F5.5
WBGene00018119	F36H12.3	F36H12.3
WBGene00017112	E03H12.5	E03H12.5

WBGene00014239	ZK1225.5	ZK1225.5
WBGene00015634	C09D4.3	C09D4.3
WBGene00010786	K12D12.4	K12D12.4
WBGene00007597	C15A11.2	C15A11.2
WBGene00012754	Y41C4A.7	Y41C4A.7
WBGene00015026	B0207.1	B0207.1
WBGene00001414	fer-1	F43G9.6
WBGene00009185	F27C8.5	F27C8.5
WBGene00011405	clec-155	T04A8.3
WBGene00012690	Y39B6A.31	Y39B6A.31
WBGene00011401	T03F6.6	T03F6.6
WBGene00009883	F49C12.14	F49C12.14
WBGene00004993	spp-8	C28C12.5
WBGene00010623	K07A12.5	K07A12.5
WBGene00014048	ZK666.8	ZK666.8
WBGene00010933	M162.7	M162.7
WBGene00016800	C50C3.2	C50C3.2
WBGene00020966	W03A5.1	W03A5.1
WBGene00050904	Y70C5A.3	Y70C5A.3
WBGene00009039	F22B3.8	F22B3.8
WBGene00018839	F54H5.2	F54H5.2
WBGene00017444	F13H8.12	F13H8.12
WBGene00017545	F18A1.1	F18A1.1
WBGene00009115	F25F2.1	F25F2.1
WBGene00008529	F02E9.3	F02E9.3
WBGene00009031	F21H7.5	F21H7.5
WBGene00004909	snf-10	Y32F6A.2
WBGene00016327	C32E12.1	C32E12.1
WBGene00016322	C32E8.4	C32E8.4
WBGene00015937	C17H12.12	C17H12.12
WBGene00017559	mpz-3	F18C5.4
WBGene00022144	pghm-1	Y71G12B.4
WBGene00022143	Y71G12B.3	Y71G12B.3
WBGene00008725	F13A7.7	F13A7.7
WBGene00013800	Y116A8C.23	Y116A8C.23
WBGene00022140	Y71G12A.4	Y71G12A.4
WBGene00017055	D2062.1	D2062.1
WBGene00013475	Y69E1A.3	Y69E1A.3
WBGene00013473	Y69E1A.1	Y69E1A.1
WBGene00017050	D2024.1	D2024.1
WBGene00013809	Y116A8C.33	Y116A8C.33
WBGene00015236	B0511.11	B0511.11
WBGene00018841	F54H5.5	F54H5.5
WBGene00018840	F54H5.3	F54H5.3
WBGene00219286	C04F12.16	C04F12.16
WBGene00015230	tag-344	B0511.4
WBGene00017910	F28H1.5	F28H1.5
WBGene00019165	mpz-4	H06H21.9
WBGene00044805	Y53C10A.15	Y53C10A.15
WBGene00019160	crf-1	H05L03.3
WBGene00194935	M02G9.4	M02G9.4
WBGene00010719	K09E4.1	K09E4.1
WBGene00022090	Y69A2AR.19	Y69A2AR.19
WBGene00019119	F59E12.3	F59E12.3
WBGene00044261	Y87G2A.20	Y87G2A.20
WBGene00022094	Y69A2AR.23	Y69A2AR.23
WBGene00013979	ZK507.3	ZK507.3
WBGene00010300	F59A1.15	F59A1.15
WBGene00010650	K08C9.1	K08C9.1
WBGene00010651	K08C9.2	K08C9.2
WBGene00013879	ZC376.8	ZC376.8
WBGene00022562	ZC204.12	ZC204.12
WBGene00012870	Y45F10B.2	Y45F10B.2
WBGene00000784	cpr-4	F44C4.3
WBGene00010574	K04H4.5	K04H4.5
WBGene00007378	C06C3.8	C06C3.8
WBGene00022732	ZK418.2	ZK418.2
WBGene00008433	marc-2	D2089.2
WBGene00007274	C03C11.1	C03C11.1
WBGene00013656	Y105C5B.17	Y105C5B.17
WBGene00007169	B0393.4	B0393.4
WBGene00010460	clec-142	K01C8.8
WBGene00013713	Y106G6G.4	Y106G6G.4
WBGene00012379	Y1A5A.1	Y1A5A.1
WBGene00019667	K12B6.2	K12B6.2
WBGene00008854	F15D3.4	F15D3.4
WBGene00009693	F44F1.1	F44F1.1
WBGene00017553	nep-8	F18A12.4
WBGene00021993	Y59E9AL.3	Y59E9AL.3
WBGene00008914	F17C11.2	F17C11.2
WBGene00021996	Y59E9AL.6	Y59E9AL.6
WBGene00022890	fbxa-224	ZK1290.9
WBGene00011027	R05D7.2	R05D7.2
WBGene00009101	F25B3.4	F25B3.4
WBGene00012177	decr-1.2	W01C9.4
WBGene00016028	flp-24	C24A1.1
WBGene00044158	Y53C12A.8	Y53C12A.8
WBGene00012173	W01B6.6	W01B6.6
WBGene00012172	W01B6.5	W01B6.5
WBGene00045306	ZC250.5	ZC250.5
WBGene00077548	F21C3.7	F21C3.7
WBGene00019190	H12I13.1	H12I13.1
WBGene00014127	ZK892.3	ZK892.3
WBGene00007973	C36B1.6	C36B1.6
WBGene00022780	ZK622.1	ZK622.1
WBGene00007794	C28D4.7	C28D4.7
WBGene00000819	csp-1	Y48E1B.13
WBGene00194697	F59A3.13	F59A3.13
WBGene00007354	C06A1.3	C06A1.3
WBGene00010155	F56F3.4	F56F3.4
WBGene00014129	ZK892.5	ZK892.5
WBGene00016612	C43G2.3	C43G2.3
WBGene00077685	C04F12.12	C04F12.12
WBGene00013310	Y57G11C.14	Y57G11C.14
WBGene00021207	Y18H1A.1	Y18H1A.1
WBGene00011573	anmt-3	T07C12.9
WBGene00015796	C15F1.5	C15F1.5
WBGene00007570	C14A6.6	C14A6.6
WBGene00010883	M7.7	M7.7
WBGene00012731	Y39G8C.2	Y39G8C.2
WBGene00003995	pgp-1	K08E7.9
WBGene00017869	F28A10.1	F28A10.1
WBGene00016312	C32D5.4	C32D5.4
WBGene00013158	Y53F4B.11	Y53F4B.11
WBGene00007778	C27D8.2	C27D8.2
WBGene00020651	T21D12.12	T21D12.12

WBGene00007777	C27D8.1	C27D8.1
WBGene00020914	sulp-6	W01B11.2
WBGene00011378	T02E1.6	T02E1.6
WBGene00011379	T02E1.7	T02E1.7
WBGene00008772	irld-4	F13G11.2
WBGene00019586	K09F6.3	K09F6.3
WBGene00019229	ipla-5	H23L24.2
WBGene00008137	sfxn-1.4	C47D12.3
WBGene00004969	spe-15	F47G6.4
WBGene00021016	W03G9.5	W03G9.5
WBGene00016111	C25H3.1	C25H3.1
WBGene00044434	Y18H1A.15	Y18H1A.15
WBGene00008811	F14F7.4	F14F7.4
WBGene00016054	C24D10.2	C24D10.2
WBGene00019343	nep-18	K02F6.9
WBGene00016053	C24D10.1	C24D10.1
WBGene00014223	ZK1098.6	ZK1098.6
WBGene00015896	C17C3.15	C17C3.15
WBGene00002186	kel-10	T16H12.6
WBGene00013429	Y66D12A.3	Y66D12A.3
WBGene00017673	icmt-1	F21F3.3
WBGene00017672	F21F3.2	F21F3.2
WBGene00012711	Y39E4A.1	Y39E4A.1
WBGene00018158	comp-1	F37E3.3
WBGene00015572	C07G1.6	C07G1.6
WBGene00011951	T23F6.3	T23F6.3
WBGene00001189	egl-21	F01D4.4
WBGene00011055	arrd-14	R06B9.4
WBGene00021253	Y22D7AL.15	Y22D7AL.15
WBGene00006057	sss-2	F47B8.11
WBGene00014102	best-25	ZK849.4
WBGene00021720	Y49F6B.8	Y49F6B.8
WBGene00009446	F35H8.1	F35H8.1
WBGene00011132	R08A2.1	R08A2.1
WBGene00011114	R07E5.6	R07E5.6
WBGene00016680	C45G9.9	C45G9.9
WBGene00004958	spe-4	ZK524.1
WBGene00011133	R08A2.2	R08A2.2
WBGene00014100	ZK849.1	ZK849.1
WBGene00006058	sst-20	F54C1.9
WBGene00017279	F09C12.8	F09C12.8
WBGene00010871	M05B5.3	M05B5.3
WBGene00010876	M05D6.3	M05D6.3
WBGene00044633	F54H12.7	F54H12.7
WBGene00008074	nkb-2	C43F9.6
WBGene00017271	F08F8.6	F08F8.6
WBGene00009075	F23B2.7	F23B2.7
WBGene00008079	C44B9.2	C44B9.2
WBGene00015970	C18E3.1	C18E3.1
WBGene00015093	B0261.5	B0261.5
WBGene00020627	T20F5.5	T20F5.5
WBGene00015097	B0273.1	B0273.1
WBGene00017376	F11C7.2	F11C7.2
WBGene00008272	C53B4.2	C53B4.2
WBGene00019530	scrm-8	K08D10.7
WBGene00019531	scrm-5	K08D10.8
WBGene00016753	oac-9	C48E7.8
WBGene00007224	C01G6.2	C01G6.2
WBGene00018652	F49F1.12	F49F1.12
WBGene00018301	F41G3.5	F41G3.5
WBGene00009670	F43G9.8	F43G9.8
WBGene00000556	cnc-2	R09B5.3
WBGene00020416	T10E9.6	T10E9.6
WBGene00003448	msp-55	C09B9.6
WBGene00020414	T10E9.4	T10E9.4
WBGene00013437	Y66D12A.11	Y66D12A.11
WBGene00014813	M176.9	M176.9
WBGene00020446	T12B3.3	T12B3.3
WBGene00017872	F28A10.4	F28A10.4
WBGene00020419	acdh-4	T10E9.9
WBGene00020003	R11E3.1	R11E3.1
WBGene00021537	Y42H9AR.2	Y42H9AR.2
WBGene00020453	fbxa-55	T12B5.6
WBGene00007156	B0379.2	B0379.2
WBGene00001448	flp-5	C03G5.7
WBGene00011026	R05D7.1	R05D7.1
WBGene00001444	flp-1	F23B2.5
WBGene00009884	F49C12.15	F49C12.15
WBGene00019248	H27M09.5	H27M09.5
WBGene00017978	msrp-1	F32B5.4
WBGene00022196	gpa-17	Y71H2B.7
WBGene00008141	C47E8.1	C47E8.1
WBGene00045508	D1081.10	D1081.10
WBGene00015306	C01G5.4	C01G5.4
WBGene00010611	K07A1.4	K07A1.4
WBGene00020356	T08B6.9	T08B6.9
WBGene00021358	Y37E11AL.2	Y37E11AL.2
WBGene00008001	C38C10.3	C38C10.3
WBGene00020289	T06C10.3	T06C10.3
WBGene00015386	C03B8.3	C03B8.3
WBGene00013449	Y67A6A.1	Y67A6A.1
WBGene00175035	F54C9.14	F54C9.14
WBGene00008556	F07D3.3	F07D3.3
WBGene00012486	Y18D10A.21	Y18D10A.21
WBGene00004908	snf-9	C49C3.1
WBGene00007601	C15C6.2	C15C6.2
WBGene00008155	C47E12.12	C47E12.12
WBGene00007159	B0379.7	B0379.7
WBGene00003562	ncr-2	F09G8.4
WBGene00019805	R01B10.3	R01B10.3
WBGene00017700	F22D3.4	F22D3.4
WBGene00022079	Y69A2AR.8	Y69A2AR.8
WBGene00017955	F31E8.5	F31E8.5
WBGene00013999	ZK550.5	ZK550.5
WBGene00009550	F38H4.6	F38H4.6
WBGene00009412	F35E2.5	F35E2.5
WBGene00009413	oac-19	F35E2.6
WBGene00019015	F57F4.1	F57F4.1
WBGene00194894	T05B4.14	T05B4.14
WBGene00009416	F35E2.9	F35E2.9
WBGene00013448	Y66D12A.24	Y66D12A.24
WBGene00020317	pdf-1	T07E3.6
WBGene00012785	Y43C5B.2	Y43C5B.2
WBGene00044744	F10G7.12	F10G7.12
WBGene00044333	C01G12.13	C01G12.13
WBGene00219316	F21A3.11	F21A3.11

WBGene00044216	C47E8.10	C47E8.10
WBGene00019150	H04J21.1	H04J21.1
WBGene00019151	pck-3	H04M03.1
WBGene00012138	T28F4.3	T28F4.3
WBGene00008153	C47E12.10	C47E12.10
WBGene00016211	sdz-3	C29F5.2
WBGene00018087	F36D4.1	F36D4.1
WBGene00001944	his-70	E03A3.4
WBGene00022108	Y71F9AL.2	Y71F9AL.2
WBGene00014007	ZK596.2	ZK596.2
WBGene00016212	C29F5.3	C29F5.3
WBGene00022102	Y69F12A.1	Y69F12A.1
WBGene00002212	kin-31	B0523.1
WBGene00010728	K09G1.2	K09G1.2
WBGene00013424	Y66A7A.4	Y66A7A.4
WBGene00019785	M70.3	M70.3
WBGene00006645	tsp-19	D2092.7
WBGene00019783	M70.1	M70.1
WBGene00019169	H06I04.5	H06I04.5
WBGene00044260	Y87G2A.19	Y87G2A.19
WBGene00194864	Y66A7A.9	Y66A7A.9
WBGene00007300	C04F12.6	C04F12.6
WBGene00007301	C04F12.7	C04F12.7
WBGene00010544	K03H1.9	K03H1.9
WBGene00010545	cbp-2	K03H1.10
WBGene00011336	ubxn-5	T01E8.9
WBGene00007305	C04G2.2	C04G2.2
WBGene00010540	K03H1.5	K03H1.5
WBGene00007307	spch-1	C04G2.8
WBGene00013190	Y54E2A.5	Y54E2A.5
WBGene00013192	Y54E2A.7	Y54E2A.7
WBGene00023424	C53D6.10	C53D6.10
WBGene00013194	Y54E2A.9	Y54E2A.9
WBGene00013198	Y54E5A.2	Y54E5A.2
WBGene00008821	best-12	F14H3.2
WBGene00013747	spe-19	Y113G7A.10
WBGene00018575	clec-119	F47F6.5
WBGene00021382	Y37F4.1	Y37F4.1
WBGene00009620	fip-5	F41E7.4
WBGene00020656	T21E12.5	T21E12.5
WBGene00014179	ZK1010.5	ZK1010.5
WBGene00018471	F45E4.6	F45E4.6
WBGene00009489	F36G9.13	F36G9.13
WBGene00013696	Y106G6A.4	Y106G6A.4
WBGene00010035	F54C8.1	F54C8.1
WBGene00007230	C01G10.1	C01G10.1
WBGene00015931	C17H12.5	C17H12.5
WBGene00019495	sdz-24	K07E8.3
WBGene00014170	ZK945.8	ZK945.8
WBGene00021373	Y37E11AR.7	Y37E11AR.7
WBGene00018354	F42G2.5	F42G2.5
WBGene00018352	fbxc-20	F42G2.3
WBGene00020860	nspd-10	T27C10.7
WBGene00015627	C09B9.2	C09B9.2
WBGene00019972	R09A1.2	R09A1.2
WBGene00018359	F42G8.8	F42G8.8
WBGene00021608	Y46H3D.1	Y46H3D.1
WBGene00014755	F40F12.8	F40F12.8
WBGene00007793	C28D4.5	C28D4.5
WBGene00013068	Y51A2B.4	Y51A2B.4
WBGene00016388	C34B2.3	C34B2.3
WBGene00011241	mpz-5	R11A8.8
WBGene00077714	R102.11	R102.11
WBGene00014759	F46A8.1	F46A8.1
WBGene00014197	ZK1053.2	ZK1053.2
WBGene00009738	hecw-1	F45H7.6
WBGene00000019	abt-1	C24F3.5
WBGene00013101	Y51H4A.5	Y51H4A.5
WBGene00007998	C38C6.5	C38C6.5
WBGene00008230	pfk-1.2	C50F4.2
WBGene00008235	C50F4.10	C50F4.10
WBGene00021793	Y52D5A.2	Y52D5A.2
WBGene00012912	Y46G5A.22	Y46G5A.22
WBGene00021151	Y4C6A.1	Y4C6A.1
WBGene00016125	C26B2.2	C26B2.2
WBGene00018999	F57B9.8	F57B9.8
WBGene00009308	F32A11.3	F32A11.3
WBGene00021878	Y54G2A.13	Y54G2A.13
WBGene00018994	F56H1.3	F56H1.3
WBGene00021650	Y47G6A.26	Y47G6A.26
WBGene00015616	C08G5.3	C08G5.3
WBGene00001839	hdl-1	ZK829.2
WBGene00021579	clec-73	Y46C8AL.1
WBGene00022385	Y95B8A.4	Y95B8A.4
WBGene00012010	T25B9.4	T25B9.4
WBGene00016420	C34G6.3	C34G6.3
WBGene00018120	F36H12.4	F36H12.4
WBGene00018121	F36H12.5	F36H12.5
WBGene00008192	C49C3.2	C49C3.2
WBGene00012011	T25B9.5	T25B9.5
WBGene00018580	F47G6.3	F47G6.3
WBGene00018260	cyp-33C7	F41B5.2
WBGene00018127	F36H12.14	F36H12.14
WBGene00011790	T15H9.5	T15H9.5
WBGene00012761	Y41C4A.18	Y41C4A.18
WBGene00012689	Y39B6A.30	Y39B6A.30
WBGene00015032	B0207.9	B0207.9
WBGene00020686	T22D1.8	T22D1.8
WBGene00015034	B0207.11	B0207.11
WBGene00045468	F08A8.8	F08A8.8
WBGene00009938	F52F12.5	F52F12.5
WBGene00045036	K08E4.7	K08E4.7
WBGene00002128	inx-6	C36H8.2
WBGene00011414	T04A8.13	T04A8.13
WBGene00003744	nlp-6	T23E7.4
WBGene00003745	nlp-7	F18E9.2
WBGene00003746	nlp-8	D2005.2
WBGene00020992	W03F8.2	W03F8.2
WBGene00003741	nlp-3	F48C11.3
WBGene00020990	W03D8.9	W03D8.9
WBGene00020991	W03D8.10	W03D8.10
WBGene00009962	F53B6.7	F53B6.7
WBGene00001819	haf-9	ZK484.2
WBGene00050915	Y6E2A.10	Y6E2A.10
WBGene00003749	nlp-11	ZK1320.10
WBGene00018792	F54C1.8	F54C1.8

WBGene00008124	C47A4.3	C47A4.3
WBGene00016339	C33C12.7	C33C12.7
WBGene00020177	T02H6.7	T02H6.7
WBGene00011795	T16A9.5	T16A9.5
WBGene00019929	R07C3.13	R07C3.13
WBGene00021489	Y40B10A.4	Y40B10A.4
WBGene00009749	F46A8.6	F46A8.6
WBGene00020675	T22B11.1	T22B11.1
WBGene00044312	K04C2.8	K04C2.8
WBGene00013107	Y51H4A.13	Y51H4A.13
WBGene00018052	F35F10.1	F35F10.1
WBGene00009028	F21H7.2	F21H7.2
WBGene00010366	H05L14.1	H05L14.1
WBGene00003446	msp-53	R13H9.4
WBGene00008994	F21A3.4	F21A3.4
WBGene00012549	Y37D8A.8	Y37D8A.8
WBGene00020293	nep-20	T06D4.4
WBGene00008801	acp-3	F14E5.3
WBGene00011200	R10E4.3	R10E4.3
WBGene00007082	acs-10	AH10.1
WBGene00007081	AH6.3	AH6.3
WBGene00007080	sfxn-1.1	AH6.2
WBGene00010368	H06A10.1	H06A10.1
WBGene00020353	T08B6.4	T08B6.4
WBGene00086554	D1081.12	D1081.12
WBGene00015243	B0524.4	B0524.4
WBGene00015241	B0524.2	B0524.2
WBGene00020053	R13A5.11	R13A5.11
WBGene00007306	C04G2.5	C04G2.5
WBGene00015244	B0524.5	B0524.5
WBGene00006464	bath-47	T07H3.1
WBGene00001242	elo-4	C40H1.4
WBGene00016356	C33F10.8	C33F10.8
WBGene00020192	T03F1.11	T03F1.11
WBGene00044810	Y37E3.19	Y37E3.19
WBGene00001245	elo-7	F56H11.3
WBGene00016286	C31H1.1	C31H1.1
WBGene00195233	F31E9.11	F31E9.11
WBGene00010486	K01H12.4	K01H12.4
WBGene00020282	mps-3	T06A4.2
WBGene00011469	dylt-3	T05C12.5
WBGene00011466	T05C12.1	T05C12.1
WBGene00011467	decr-1.3	T05C12.3
WBGene00043053	F47H4.12	F47H4.12
WBGene00018528	F47B3.4	F47B3.4
WBGene00020913	W01B11.1	W01B11.1
WBGene00023490	F36A2.14	F36A2.14
WBGene00017114	E03H12.7	E03H12.7
WBGene00007735	C25G4.8	C25G4.8
WBGene00022652	ZK84.5	ZK84.5
WBGene00022228	Y73B6A.1	Y73B6A.1
WBGene00022650	ZK84.2	ZK84.2
WBGene00002227	klp-17	W02B12.7
WBGene00015051	B0218.7	B0218.7
WBGene00008186	best-11	C49A1.3
WBGene00044448	ZK783.6	ZK783.6
WBGene00008185	best-10	C49A1.2
WBGene00007269	C03C10.2	C03C10.2
WBGene00009683	F44D12.6	F44D12.6
WBGene00013700	Y106G6D.3	Y106G6D.3
WBGene00009681	gipc-2	F44D12.4
WBGene00018134	F37A4.4	F37A4.4
WBGene00009685	F44D12.8	F44D12.8
WBGene00020223	T05A7.6	T05A7.6
WBGene00013318	Y57G11C.23	Y57G11C.23
WBGene00016358	C33F10.12	C33F10.12
WBGene00011844	T19C9.8	T19C9.8
WBGene00044634	C29E4.14	C29E4.14
WBGene00019024	F58A6.5	F58A6.5
WBGene00044229	T03F6.8	T03F6.8
WBGene00013495	clec-236	Y70C5C.5
WBGene00011789	T15H9.4	T15H9.4
WBGene00019459	K06H7.8	K06H7.8
WBGene00011968	T23G11.1	T23G11.1
WBGene00194703	F26B1.8	F26B1.8
WBGene00044227	C07A9.13	C07A9.13
WBGene00009893	F49E11.7	F49E11.7
WBGene00011808	T16G12.7	T16G12.7
WBGene00011669	T09F5.10	T09F5.10
WBGene00007641	C17E4.1	C17E4.1
WBGene00022032	Y65B4A.9	Y65B4A.9
WBGene00010004	F53H2.1	F53H2.1
WBGene00077579	R11H6.7	R11H6.7
WBGene00007863	C32C4.3	C32C4.3
WBGene00019337	K02F6.3	K02F6.3
WBGene00015661	C09H5.7	C09H5.7
WBGene00007584	C14C10.1	C14C10.1
WBGene00077696	marc-1	F58E6.12
WBGene00007733	smz-1	C25G4.6
WBGene00006509	tag-164	Y76A2A.1
WBGene00013657	Y105C5B.18	Y105C5B.18
WBGene00014247	ZK1307.4	ZK1307.4
WBGene00002120	ins-37	F08G2.6
WBGene00014241	ZK1251.3	ZK1251.3
WBGene00014240	htas-1	ZK1251.1
WBGene00014229	ZK1128.3	ZK1128.3
WBGene00007461	C08F11.14	C08F11.14
WBGene00019405	K05F1.1	K05F1.1
WBGene00013142	Y53C12A.7	Y53C12A.7
WBGene00008487	F01D4.3	F01D4.3
WBGene00008649	F10D11.3	F10D11.3
WBGene00010181	F57A8.6	F57A8.6
WBGene00021288	clec-123	Y25C1A.1
WBGene00044447	ZK688.10	ZK688.10
WBGene00013388	Y62F5A.10	Y62F5A.10
WBGene00009695	F44F1.3	F44F1.3
WBGene00019980	chil-14	R09B5.12
WBGene00016288	C31H1.5	C31H1.5
WBGene00013710	Y106G6G.1	Y106G6G.1
WBGene00021287	Y24D9B.1	Y24D9B.1
WBGene00018895	F55F8.7	F55F8.7
WBGene00043980	F11D5.7	F11D5.7
WBGene00016512	C38C3.3	C38C3.3
WBGene00016040	C24A11.1	C24A11.1
WBGene00019626	K10C9.7	K10C9.7
WBGene00044529	irld-1	D2063.4

WBGene00021110	W09C3.2	W09C3.2	WBGene00016010	C23G10.1	C23G10.1
WBGene00021113	gsp-3	W09C3.6	WBGene00018548	clec-79	F47C12.4
WBGene00044684	T08G11.2	T08G11.2	WBGene00010082	F55A11.11	F55A11.11

Table S5. Gene ontology (GO) analysis on shared genes upregulated in *eat-2(ad465)* and downregulated in *ttr-1(ok2250).*

GOID	TERM[a]	p-value[b]	Ontology
GO:0006470	protein dephosphorylation	1.04E-48	process
GO:0006796	phosphate-containing compound metabolic process	1.49E-46	process
GO:0008360	regulation of cell shape	1.84E-46	process
GO:0006793	phosphorus metabolic process	2.55E-45	process
GO:0006464	cellular protein modification process	1.44E-41	process
GO:0036211	protein modification process	1.44E-41	process
GO:0016311	dephosphorylation	9.92E-41	process
GO:0035335	peptidyl-tyrosine dephosphorylation	1.63E-39	process
GO:0043412	macromolecule modification	9.75E-36	process
GO:0018105	peptidyl-serine phosphorylation	6.32E-34	process
GO:0004721	phosphoprotein phosphatase activity	3.57E-50	function
GO:0140096	catalytic activity, acting on a protein	1.23E-48	function
GO:0004725	protein tyrosine phosphatase activity	8.69E-42	function
GO:0016791	phosphatase activity	1.54E-41	function
GO:0042578	phosphoric ester hydrolase activity	4.50E-37	function
GO:0004672	protein kinase activity	3.48E-35	function
GO:0016773	phosphotransferase activity, alcohol group as acceptor	4.86E-32	function
GO:0016301	kinase activity	7.74E-29	function
GO:0004674	protein serine/threonine kinase activity	1.12E-23	function
GO:0016772	transferase activity, transferring phosphorus-containing groups	4.23E-23	function
GO:0031234	extrinsic component of cytoplasmic side of plasma membrane	6.40E-16	component
GO:0009898	cytoplasmic side of plasma membrane	2.20E-13	component
GO:0019897	extrinsic component of plasma membrane	2.20E-13	component
GO:0098562	cytoplasmic side of membrane	5.97E-13	component
GO:0098552	side of membrane	1.13E-12	component
GO:0019898	extrinsic component of membrane	1.67E-10	component

[a] Shown are top GO annotations enriched among genes indicated in table heading.
[b] Bonferroni-corrected.