

Supplemental Table 1: Lifespan Assay Results and Statistical Analyses

Strain, Treatment	Maximum Lifespan [Days ± SEM]	Mean Lifespan [Days ± SEM]	P-value vs. Control	Number of Experiments (n)	Number of Nematodes (n)
N2 control	36.1 ± 0.7	23.9 ± 0.1	n.a.	15	1765
N2 + Rotenone	39.7 ± 0.2	26.2 ± 0.1	< 0.00001 ^{*a}	9	997
N2 + Piericidin A	34 ± 0.6	25.1 ± 0.1	0.00005 ^{*a}	3	350
N2 + MPTP	40 ± 1.2	25.8 ± 0.3	< 0.00001 ^{*a}	3	351
N2 + BHA	35.7 ± 1.1	23.8 ± 0.1	0.68511 (n.s.) ^{*a}	6	715
N2 + BHA + Rotenone	36.7 ± 0.7	24.1 ± 0.1	0.12434 (n.s.) ^{*a}	3	359
N2 + BHA + Piericidin A	33.7 ± 0.8	24.0 ± 0.2	0.26871 (n.s.) ^{*a}	3	352
N2 control	35	23.5 ± 0.2	0.25083 (n.s.) ^{*a}	3	329
N2 + Rotenone 5d	38.3 ± 0.7	25.4 ± 0.5	0.00063 ^{*a}	3	319
N2 DR 1*10 ¹⁰ cfu / ml	31	21.4	n.a.	1	90
N2 DR 1*10 ¹⁰ cfu / ml + Rotenone	31	24.3	< 0.00001 ^{#b}	1	84
N2 DR 1*10 ⁹ cfu / ml	33	22.2	0.13592 (n.s.) ^{#b}	1	93
N2 DR 1*10 ⁹ cfu / ml + Rotenone	36	23.7	0.02908 ^{#c}	1	83
N2 DR 5*10 ⁸ cfu / ml	33	22.5	0.12284 (n.s.) ^{#b}	1	68
N2 DR 5*10 ⁸ cfu / ml + Rotenone	37	25.2	0.00009 ^{#d}	1	67
N2 DR 1*10 ⁸ cfu / ml	37	28.6	< 0.00001 ^{#b}	1	80
N2 DR 1*10 ⁸ cfu / ml + Rotenone	37	28.2	0.59673 (n.s.) ^{#e}	1	80
N2 DR 5*10 ⁷ cfu / ml	37	29.3	< 0.00001 ^{#b}	1	52
N2 DR 5*10 ⁷ cfu / ml + Rotenone	37	28.9	0.72869 (n.s.) ^{#f}	1	76
<i>aak-2</i>	27.3 ± 1.3	19.1 ± 0.1	n.a.	3	362
<i>aak-2</i> + Rotenone	34	23.8 ± 0.4	0.00047 ^{*g}	3	364
<i>aak-2</i> + Piericidin A	33	21.0 ± 0.4	0.00897 ^{*g}	3	355
<i>sir-2.1</i>	32.3 ± 0.3	23.4 ± 0.1	n.a.	3	333
<i>sir-2.1</i> + Rotenone	36.3 ± 0.3	24.9 ± 0.1	0.00002 ^{*h}	3	384
<i>sir-2.1</i> + Piericidin A	36.3 ± 0.9	24.3 ± 0.1	0.00355 ^{*h}	3	345
<i>aak-2/sir-2.1</i>	26.7 ± 0.7	18.8 ± 0.2	n.a.	3	328
<i>aak-2/sir-2.1</i> + Rotenone	34.3 ± 0.3	21.0 ± 0.3	0.01428 ^{*i}	3	338
<i>aak-2/sir-2.1</i> + Piericidin A	32.7 ± 1.3	20.4 ± 0.1	0.00007 ^{*i}	3	390

<i>pmk-1</i>	37.3 ± 0.3	23.4 ± 0.2	n.a.	3	414
<i>pmk-1</i> + Rotenone	37	18.9 ± 0.1	0.00004 ^{*j}	3	445
<i>pmk-1</i> + Piericidin A	37	22.4 ± 0.2	0.04113 ^{*j}	3	438
<i>daf-16</i>	32	22.8 ± 0.1	n.a.	3	365
<i>daf-16</i> + Rotenone	34.7 ± 0.7	24.0 ± 0.1	0.00052 ^{*k}	3	374
<i>daf-16</i> + Piericidin A	35.3 ± 0.7	24.8 ± 0.1	< 0.00001 ^{*k}	3	366
<i>skn-1</i> (zu67)	32.7 ± 0.7	19.0 ± 0.1	n.a.	3	279
<i>skn-1</i> (zu67) + Rotenone	35.3 ± 0.7	20.3 ± 0.1	0.00201 ^{*l}	3	277
<i>skn-1</i> (zu67) + Piericidin A	34.7 ± 1.3	20.6 ± 0.2	0.00205 ^{*l}	3	284
<i>skn-1</i> (zu135)	30.3 ± 0.3	19.6 ± 0.3	n.a.	3	392
<i>skn-1</i> (zu135) + Rotenone	30.7 ± 0.3	20.1 ± 0.2	0.24632 (n.s.) ^{*m}	3	373
<i>skn-1</i> (zu135) + Piericidin A	30	19.1 ± 0.4	0.32025 (n.s.) ^{*m}	3	393
CX3596 ASI ablated	42	25.8	n.a.	1	17
CX3596 ASI ablated + Rot	40	24.9	0.53798 (n.s.) ^{#n}	1	23
<i>eat-2</i>	40.1 ± 0.9	29.0 ± 0.5	n.a.	3	308
<i>eat-2</i> + Rotenone	40.1 ± 0.9	29.1 ± 0.1	0.87067 (n.s.) ^{*o}	3	300

* P-Values according to *t*-test using mean lifespan data; # P-Values according to log-rank statistics

^aN2 control; ^bN2 DR 1*10¹⁰ cfu / ml; ^cN2 DR 1*10⁹ cfu / ml; ^dN2 DR 5*10⁸ cfu / ml; ^eN2 DR 1*10⁸ cfu / ml; ^fN2 DR 5*10⁷ cfu / ml; ^g*aak-2*; ^h*sir-2.1*; ⁱ*aak-2/sir-2.1*; ^j*pmk-1*; ^k*daf-16*; ^l*skn-1* (zu67); ^m*skn-1* (zu135); ⁿCX3596 ASI ablated; ^o*eat-2*

**Supplemental Table 2: Functional Classification of Up-Regulated DEGs
after 24 hrs rotenone treatment.**

Annotation	Number of DEGs	P -Value
Cell Rescue, defense and virulence	601	0.08790
Stress response	431	0.00153
Oxidative stress response	93	0.00007
Defense related proteins	198	< 0.00001
Detoxification by modification	63	0.01089
Glutathione conjugation reaction	33	0.00006
Nutrient starvation response	17	0.53430 (n.s.)
Energy	298	0.00525
Respiration	71	0.00023
Metabolism of energy reserves (e.g. glycogen, trehalose)	19	0.00228
Oxidation of fatty acids	41	0.29344 (n.s.)
Energy conversion and regeneration	79	0.99999 (n.s.)
Energy generation (e.g. ATP synthase)	7	0.57931 (n.s.)
Glycolysis and gluconeogenesis	24	0.22449 (n.s.)
Metabolism	1036	0.19892 (n.s.)
Amino acid metabolism	188	0.34036 (n.s.)
Metabolism of primary metabolic sugar derivatives	22	0.52582 (n.s.)
Lipid, fatty acid and isoprenoid metabolism	372	0.00858
Metabolism of thioredoxin, glutaredoxin, glutathion	34	< 0.00001
Biogenesis of cellular components	727	0.69168 (n.s.)
Biogenesis of mitochondria	64	0.00006
Cellular communication / signal transduction mechanism	867	< 0.00001
Cellular signaling	452	< 0.00001
Enzyme mediated signal transduction	283	< 0.00001
Second messenger mediated signal transduction	150	0.00005
Transmembrane signal transduction	628	< 0.00001

Selected functional classes/categories of DEGs. The number of genes and the p-values were determined using the FungiFun/FunCat categorization method.

Supplemental Table 3: Differentially Expressed RNAs After 1 day Rotenone Treatment

Ensembl Gene Id	Gene Symbol	Chromosome	log2 Fold Change	P-Value
F37B1.3	gst-14	chrII	4.403917	0.000000
Y75B8A.39	Y75B8A.39	chrIII	3.968713	0.034882
T10B9.4	cyp-13A8	chrII	3.383250	0.000000
F54B11.4	F54B11.4	chrX	2.680910	0.009419
C18H7.13	C18H7.13	chrIV	2.493516	0.000325
C01G10.4	C01G10.4	chrV	2.251299	0.000000
R04D3.1	cyp-14A4	chrX	2.236424	0.000000
T20D4.12	T20D4.12	chrV	2.219519	0.015826
B0205.13	B0205.13	chrI	2.192234	0.000000
F22B5.4	F22B5.4	chrII	2.142294	0.000000
B0205.14	B0205.14	chrI	2.141386	0.000000
C01G10.5	C01G10.5	chrV	2.092844	0.000000
AC3.1	sri-20	chrV	2.079744	0.015160
T25E12.10	clec-38	chrV	2.068765	0.022440
F46C5.1	F46C5.1	chrII	1.974268	0.000152
F09G2.3	F09G2.3	chrV	1.969344	0.000000
F48F7.7	arrd-24	chrX	1.860721	0.006100
B0334.10	B0334.10	chrII	1.857756	0.001182
F32B4.1	F32B4.1	chrI	1.807176	0.042855
F09C6.1	F09C6.1	chrV	1.792727	0.007523
T10E10.3	T10E10.3	chrX	1.762773	0.003918
F49H12.7	F49H12.7	chrX	1.741838	0.042855
C43F9.7	C43F9.7	chrIV	1.717392	0.000401
Y52B11A.1	spe-38	chrI	1.717142	0.001379
R12G8.1	R12G8.1	chrV	1.715000	0.000240
T24A6.7	T24A6.7	chrV	1.714871	0.029962
C08E8.1	C08E8.1	chrV	1.708549	0.000338
C01G10.6	C01G10.6	chrV	1.675144	0.000022
T26C12.2	T26C12.2	chrIV	1.672997	0.003912
ZC317.6	ZC317.6	chrV	1.669321	0.018821
F37B1.8	gst-19	chrII	1.666571	0.000000
F46A8.2	F46A8.2	chrI	1.656228	0.003351
F11G11.13	F11G11.13	chrII	1.653183	0.000260
EGAP5.1	EGAP5.1	chrX	1.611195	0.020692
H02I12.2	fbxb-76	chrIV	1.600049	0.003351
M01D7.9	M01D7.9	chrI	1.599919	0.038005
F58G6.2	srm-3	chrIV	1.589316	0.002519
K08E3.2	K08E3.2	chrIII	1.588156	0.009614
CE7X_3.1	CE7X_3.1	chrX	1.585558	0.000000
F14D7.5	F14D7.5	chrV	1.583613	0.033638
C07E3.8	C07E3.8	chrII	1.582707	0.001270
F17E9.11	lys-10	chrIV	1.557855	0.000000
F13E9.12	F13E9.12	chrIV	1.557424	0.000011
AH9.4	AH9.4	chrX	1.552888	0.003156
H01M10.2	H01M10.2	chrX	1.513913	0.033638
Y51H7C.8	Y51H7C.8	chrII	1.502467	0.006801
ZC84.7	ZC84.7	chrIII	1.500473	0.033638
D1025.8	nspc-17	chrX	1.482795	0.000043
Y54G2A.8	clec-82	chrIV	1.479312	0.000027
ZC239.17	ZC239.17	chrII	1.470412	0.035702
B0524.5	B0524.5	chrIII	1.465763	0.008566
K12G11.4	sodh-2	chrV	1.459788	0.000191
Y74C9A.6	Y74C9A.6	chrI	1.444732	0.007259
F56B6.6	F56B6.6	chrX	1.444467	0.000009
F11A5.12	stdh-2	chrV	1.423057	0.006354
T10H4.4	T10H4.4	chrV	1.415166	0.005304
K01A6.5	K01A6.5	chrIV	1.406633	0.026086
T22B2.6	T22B2.6	chrX	1.390511	0.000018
C14A6.2	C14A6.2	chrV	1.388074	0.022748
Y42A5A.3	Y42A5A.3	chrV	1.388009	0.000400

C37A5.11	C37A5.11	chrI	1.369717	0.000666
C03A7.8	abu-7	chrV	1.358321	0.000347
R155.4	R155.4	chrIII	1.353019	0.017459
F44D12.6	F44D12.6	chrIV	1.351514	0.000098
R10H10.4	R10H10.4	chrIV	1.345499	0.000271
C29F5.3	C29F5.3	chrII	1.344279	0.003438
D1025.6	nspc-16	chrX	1.342578	0.022748
T05C12.11	T05C12.11	chrII	1.342091	0.000005
F11D5.5	F11D5.5	chrX	1.336025	0.015213
T10D4.13	ins-19	chrII	1.335452	0.000052
F26D11.2	F26D11.2	chrV	1.331824	0.015213
W08A12.4	W08A12.4	chrV	1.327454	0.006783
W02A2.3	pqn-74	chrIV	1.326852	0.000000
Y116F11B.8	Y116F11B.8	chrV	1.325768	0.007573
C45G9.15	C45G9.15	chrIII	1.324433	0.013468
T22F3.8	T22F3.8	chrV	1.322431	0.015213
C24G7.2	acd-1	chrI	1.316811	0.002122
F55F3.4	F55F3.4	chrX	1.311881	0.017880
Y48G10A.7	rpr-1	chrI	1.309024	0.000535
C12D5.4	C12D5.4	chrV	1.298622	0.048534
F13E9.15	F13E9.15	chrIV	1.296978	0.000000
K04A8.3	K04A8.3	chrV	1.293981	0.000017
Y17G9A.5	str-172	chrIV	1.291768	0.046823
F20B10.3	F20B10.3	chrIV	1.291233	0.000007
C04E6.12	C04E6.12	chrV	1.289664	0.003427
F38E11.1	hsp-12.3	chrIV	1.289293	0.000000
W05F2.2	W05F2.2	chrI	1.286914	0.000961
M04C3.4	M04C3.4	chrV	1.285117	0.002595
K04A8.5	lipI-4	chrV	1.284870	0.000182
ZC196.3	ZC196.3	chrV	1.267020	0.006770
F55A4.9	rncs-1	chrX	1.264618	0.000000
H34P18.1	H34P18.1	chrV	1.261239	0.000008
F44C4.3	cpr-4	chrV	1.260916	0.000000
C45G7.2	ilys-2	chrIV	1.258756	0.000803
F53A9.8	F53A9.8	chrX	1.257092	0.000000
T20D4.10	T20D4.10	chrV	1.256063	0.005892
T07E3.2	T07E3.2	chrIII	1.254455	0.002283
Y57G11B.8	Y57G11B.8	chrIV	1.247743	0.027488
F49A5.5	clcc-28	chrV	1.241073	0.026847
W08E12.2	W08E12.2	chrIV	1.238253	0.000000
F31C3.11	rrn-2.1	chrI	1.231807	0.000000
ZC21.6	ZC21.6	chrIII	1.227286	0.005077
C34B4.7	C34B4.7	chrV	1.221468	0.000018
Y39B6A.29	Y39B6A.29	chrV	1.220412	0.027488
F44F4.10	F44F4.10	chrII	1.216209	0.001723
C33H5.1	C33H5.1	chrIV	1.212960	0.003015
F47F6.3	oac-30	chrII	1.207340	0.003465
ZK1307.2	ZK1307.2	chrII	1.202615	0.048053
C12D5.5	C12D5.5	chrV	1.199078	0.003427
F20B6.1	F20B6.1	chrX	1.197285	0.013468
F45E12.6	F45E12.6	chrII	1.193762	0.004449
F17B5.1	F17B5.1	chrI	1.193498	0.041434
T24C2.1	ram-5	chrX	1.188325	0.017474
T06D8.2	T06D8.2	chrII	1.186298	0.027334
F37C12.10	F37C12.10	chrIII	1.173376	0.000000
C24B9.9	dod-3	chrV	1.172634	0.000000
R09H10.7	R09H10.7	chrIV	1.172617	0.000000
C12D5.3	C12D5.3	chrV	1.169437	0.000017
B0261.5	B0261.5	chrI	1.169280	0.000940
C05B5.9	C05B5.9	chrIII	1.168114	0.000051
T08B2.4	T08B2.4	chrI	1.166373	0.001570
B0286.6	try-9	chrII	1.164491	0.017977
Y105C5B.14	Y105C5B.14	chrIV	1.164084	0.011719

R08A2.7	R08A2.7	chrV	1.162477	0.003911
R03H4.6	bus-1	chrV	1.160093	0.003462
K01H12.3	nhr-38	chrIV	1.159670	0.034828
M04D8.6	xbx-3	chrIII	1.155307	0.006785
F09B12.7	F09B12.7	chrX	1.155210	0.000483
T04A8.13	T04A8.13	chrIII	1.151310	0.000017
K02B12.9	K02B12.9	chrI	1.151108	0.008941
Y46C8AL.8	clec-74	chrIV	1.148645	0.000030
C14C6.5	C14C6.5	chrV	1.146775	0.000000
K09H11.11	K09H11.11	chrV	1.145330	0.023212
F29D10.1	F29D10.1	chrI	1.143739	0.020148
T24F1.5	T24F1.5	chrII	1.141936	0.000000
C53B7.5	odr-10	chrX	1.135491	0.005153
M02D8.6	M02D8.6	chrX	1.132146	0.000000
F11D11.12	F11D11.12	chrV	1.132049	0.036445
C50F7.5	C50F7.5	chrIV	1.126167	0.000000
C16D2.1	C16D2.1	chrII	1.125922	0.023673
F41H10.34	21ur-8696	chrIV	1.123775	0.012742
ZC47.8	ZC47.8	chrIII	1.119246	0.011101
ZC404.11	ZC404.11	chrV	1.118940	0.002649
F25H8.7	spe-29	chrIV	1.112584	0.000000
ZK488.1	nhr-250	chrV	1.110013	0.035866
ZC513.14	ZC513.14	chrV	1.108268	0.046667
ZK652.5	ceh-23	chrIII	1.106874	0.011381
T10C6.12	his-3	chrV	1.102532	0.011585
K08C7.5	fmo-2	chrIV	1.097321	0.000000
F54B11.9	F54B11.9	chrX	1.092470	0.027334
W08F4.7	W08F4.7	chrII	1.091019	0.000937
Y22F5A.6	lys-3	chrV	1.090501	0.023673
F46F11.12	F46F11.12	chrI	1.086505	0.029088
ZC404.16	ZC404.16	chrV	1.085688	0.011585
D1007.18	D1007.18	chrI	1.084094	0.000038
Y71H2AM.25	Y71H2AM.25	chrIII	1.083764	0.000030
T05A10.6	T05A10.6	chrX	1.079868	0.001372
K10D3.1	glr-3	chrI	1.076899	0.046667
F37F2.3	gst-25	chrI	1.076745	0.041434
F10G7.12	F10G7.12	chrII	1.073343	0.040233
F02E11.4	F02E11.4	chrII	1.069296	0.046667
C08B6.2	C08B6.2	chrV	1.067436	0.000021
T10H9.6	str-180	chrV	1.063450	0.002706
F09F7.8	nspb-12	chrIII	1.062284	0.000180
F15D4.6	F15D4.6	chrII	1.062203	0.000433
D2092.8	D2092.8	chrI	1.056494	0.000437
ZK849.4	ZK849.4	chrI	1.055907	0.049683
F16H6.1	clec-42	chrV	1.055612	0.026135
ZC239.22	ZC239.22	chrII	1.053997	0.000201
Y75B8A.44	Y75B8A.44	chrIII	1.053475	0.000000
C04G2.3	C04G2.3	chrIV	1.052235	0.003887
W02B8.5	hot-3	chrII	1.050029	0.000489
F18A1.1	F18A1.1	chrII	1.048744	0.002258
Y105C5A.2	Y105C5A.2	chrIV	1.046441	0.027334
Y69A2AR.9	Y69A2AR.9	chrIV	1.044731	0.000315
C01G12.7	C01G12.7	chrII	1.042979	0.016992
R08F11.3	cyp-33C8	chrV	1.042236	0.000000
Y37D8A.8	Y37D8A.8	chrIII	1.041459	0.046667
F40B5.3	F40B5.3	chrX	1.040649	0.022525
T06G6.6	T06G6.6	chrI	1.040106	0.003179
ZK353.2	ZK353.2	chrIII	1.039447	0.004988
Y116F11B.1	daf-28	chrV	1.038854	0.000000
C32B5.11	fbxc-41	chrII	1.037170	0.038704
Y75B7AR.1	Y75B7AR.1	chrV	1.034093	0.000000
C33F10.9	msp-40	chrII	1.032742	0.000108
F07F6.5	dct-5	chrII	1.031180	0.000009

T28H11.7	T28H11.7	chrIV	1.030942	0.000123
VZK822L.2	VZK822L.2	chrIV	1.029605	0.001173
K04A8.4	twk-10	chrV	1.021263	0.000047
M110.9	M110.9	chrII	1.020768	0.020148
T25D3.3	T25D3.3	chrII	1.018551	0.038704
M01H9.2	M01H9.2	chrIV	1.016491	0.000000
C39B10.6	elt-4	chrX	1.015440	0.012742
C17F4.7	C17F4.7	chrII	1.014960	0.000000
D2023.8	D2023.8	chrV	1.013539	0.001280
C25A1.6	C25A1.6	chrI	1.013000	0.002151
F14D7.8	F14D7.8	chrV	1.011588	0.035381
ZK863.9	clcc-224	chrV	1.010659	0.016405
F14F8.8	F14F8.8	chrV	1.008750	0.003091
C17F3.3	C17F3.3	chrI	1.007917	0.000162
R11G11.6	R11G11.6	chrV	1.007263	0.002789
F26A1.15	acbp-7	chrIII	1.003245	0.000008
F56C4.1	F56C4.1	chrIV	1.001205	0.003179
C02B4.4	C02B4.4	chrX	1.000295	0.030604
C05E11.6	C05E11.6	chrX	0.999138	0.000478
R08F11.6	fpn-1.3	chrV	0.999086	0.003444
F23A7.4	F23A7.4	chrX	0.995827	0.000000
Y71G12B.3	Y71G12B.3	chrI	0.995791	0.009987
Y37F4.7	Y37F4.7	chrI	0.995724	0.000008
F45G2.1	nas-1	chrIII	0.994369	0.001907
ZK470.1	ZK470.1	chrX	0.993707	0.002987
C54F6.12	C54F6.12	chrV	0.993103	0.001543
E02H9.2	E02H9.2	chrIII	0.993075	0.000066
Y34F4.2	Y34F4.2	chrIII	0.992323	0.000000
D2024.4	D2024.4	chrIV	0.990800	0.017403
H03G16.3	H03G16.3	chrX	0.988131	0.007594
C06E4.8	C06E4.8	chrIV	0.987913	0.012306
Y53F4B.37	gst-32	chrII	0.987164	0.013097
F53H2.4	F53H2.4	chrV	0.986427	0.000000
F48A9.3	try-6	chrI	0.984962	0.000793
C54D2.1	C54D2.1	chrX	0.983517	0.000001
F14F9.6	F14F9.6	chrV	0.983278	0.000186
C10G8.7	ceh-33	chrV	0.981695	0.024161
C54F6.5	C54F6.5	chrV	0.981216	0.000668
Y80D3A.10	nlp-42	chrV	0.976678	0.000000
K01D12.11	cdr-4	chrV	0.976485	0.000000
ZK783.6	ZK783.6	chrIII	0.975587	0.027873
C15C8.5	C15C8.5	chrV	0.975575	0.001459
Y48G8AL.12	Y48G8AL.12	chrI	0.973046	0.000000
T08B6.2	T08B6.2	chrIV	0.972745	0.017582
C53D6.10	C53D6.10	chrIV	0.971727	0.000046
K03H1.12	K03H1.12	chrIII	0.968237	0.021908
R02E4.3	R02E4.3	chrX	0.967788	0.000011
K09C6.1	K09C6.1	chrV	0.965399	0.017183
Y37F4.8	Y37F4.8	chrI	0.963192	0.019063
T10B5.2	T10B5.2	chrV	0.963094	0.006339
H25K10.1	H25K10.1	chrIV	0.962896	0.000000
T01C1.4	T01C1.4	chrX	0.962779	0.003731
F44B9.10	F44B9.10	chrIII	0.961807	0.002440
T03G11.10	T03G11.10	chrX	0.959704	0.034828
T28B8.5	del-4	chrI	0.958001	0.045476
F54D1.1	F54D1.1	chrIV	0.957813	0.000208
C16C4.15	math-10	chrII	0.957561	0.000827
C30F2.4	C30F2.4	chrX	0.956669	0.026623
Y47G6A.26	Y47G6A.26	chrI	0.956300	0.000122
T28C6.10	T28C6.10	chrIV	0.954009	0.000033
K07C5.9	K07C5.9	chrV	0.953930	0.000043
C01H6.1	col-61	chrI	0.952782	0.002071
T05H4.7	T05H4.7	chrV	0.952325	0.008696

K08D12.4	K08D12.4	chrIV	0.951949	0.019712
F22D6.16	F22D6.16	chrI	0.951860	0.049683
ZK856.4	ZK856.4	chrV	0.951046	0.007905
K06A1.2	K06A1.2	chrII	0.950333	0.034382
C02A12.4	lys-7	chrV	0.950103	0.000000
T03D8.4	grl-14	chrV	0.948596	0.001306
F13G3.8	eat-5	chrI	0.945562	0.000471
C25G6.4	C25G6.4	chrX	0.944854	0.000003
C05E7.3	C05E7.3	chrX	0.943777	0.001565
F42F12.9	nspc-10	chrX	0.940507	0.000000
C29F5.4	mps-1	chrII	0.939908	0.034824
F59D6.1	F59D6.1	chrV	0.938633	0.003159
Y47D3A.30	elo-8	chrIII	0.937641	0.000126
C37C3.11	C37C3.11	chrV	0.935260	0.048489
K10D3.6	K10D3.6	chrI	0.935231	0.000000
K07H8.11	K07H8.11	chrIV	0.931694	0.003711
F27C8.2	F27C8.2	chrIV	0.925832	0.015746
F46C5.3	nas-25	chrII	0.925201	0.002909
C41G7.6	C41G7.6	chrI	0.923184	0.000000
F17C11.14	F17C11.14	chrV	0.921945	0.009465
C43C3.4	C43C3.4	chrX	0.916379	0.026711
W09D6.4	W09D6.4	chrIII	0.915443	0.009465
C32B5.6	C32B5.6	chrII	0.914884	0.000937
R08F11.4	R08F11.4	chrV	0.910113	0.000000
C03G6.13	tag-293	chrV	0.904962	0.004869
Y17G9A.2	Y17G9A.2	chrIV	0.904283	0.000508
C06E8.5	C06E8.5	chrIII	0.902883	0.000000
D1025.7	nspc-18	chrX	0.902524	0.000052
M03D4.3	M03D4.3	chrIV	0.901061	0.000095
Y119C1B.1	Y119C1B.1	chrI	0.900033	0.002935
H34I24.1	H34I24.1	chrIII	0.899590	0.005808
AC3.10	spe-10	chrV	0.896772	0.006964
F56B3.10	gst-40	chrIV	0.894875	0.000612
C40H1.8	C40H1.8	chrIII	0.893704	0.000000
F54G8.2	dgk-3	chrIII	0.892535	0.010255
F14D2.5	F14D2.5	chrII	0.892359	0.000166
T23B3.6	T23B3.6	chrI	0.892040	0.008182
M163.8	M163.8	chrX	0.891440	0.000000
C45H4.17	cyp-33C2	chrV	0.891260	0.009987
Y17G9A.3	Y17G9A.3	chrIV	0.891196	0.005030
F49F1.5	F49F1.5	chrIV	0.890778	0.000007
F01D5.5	F01D5.5	chrII	0.889103	0.000000
Y48B6A.4	eat-2	chrII	0.887659	0.001898
B0281.6	B0281.6	chrII	0.887489	0.032272
F53G12.8	F53G12.8	chrI	0.886895	0.000207
C34B2.3	C34B2.3	chrI	0.885372	0.017183
C54D10.1	cdr-2	chrV	0.883247	0.000000
D1025.4	nspc-20	chrX	0.883109	0.000000
C53B4.2	C53B4.2	chrIV	0.882870	0.012306
C49A1.3	C49A1.3	chrI	0.882269	0.045868
B0024.15	B0024.15	chrV	0.879781	0.028450
H04M03.12	H04M03.12	chrIV	0.878717	0.000007
Y11D7A.11	col-120	chrIV	0.878296	0.000000
F55A12.6	F55A12.6	chrI	0.877855	0.015576
F36H12.3	F36H12.3	chrIV	0.876441	0.000039
E02H9.9	E02H9.9	chrIII	0.874527	0.006044
Y47D7A.15	Y47D7A.15	chrV	0.872842	0.000000
T27A3.4	T27A3.4	chrI	0.872223	0.000004
B0412.6	B0412.6	chrIII	0.871437	0.007068
F52F12.2	col-64	chrI	0.869423	0.045476
F41G3.18	F41G3.18	chrII	0.868820	0.000004
ZC204.10	fbxb-16	chrII	0.867686	0.002380
F17C8.7	F17C8.7	chrIII	0.867219	0.031639

ZC482.1	gab-1	chrIII	0.865469	0.002316
T06E4.12	T06E4.12	chrV	0.865330	0.000000
ZK354.3	ZK354.3	chrIV	0.864205	0.000001
W07A12.8	W07A12.8	chrII	0.864048	0.000001
ZK546.11	gst-30	chrII	0.863740	0.000004
R11G11.14	lipI-3	chrV	0.862667	0.015576
R12E2.15	R12E2.15	chrI	0.862246	0.000000
B0213.17	nlp-34	chrV	0.862197	0.000124
C30H6.10	C30H6.10	chrIV	0.861138	0.000004
D1022.6	sro-1	chrII	0.860803	0.002883
C02B8.4	hlh-8	chrX	0.860710	0.005338
F25H5.2	F25H5.2	chrI	0.859297	0.000505
K09H9.3	col-49	chrI	0.858886	0.000000
C43G2.4	C43G2.4	chrIV	0.858547	0.000009
C44C1.6	C44C1.6	chrX	0.858397	0.000042
K01D12.4	twk-14	chrV	0.858090	0.004719
C03F11.2	C03F11.2	chrX	0.857816	0.042822
T05G5.4	T05G5.4	chrIII	0.856934	0.000760
T03F6.9	T03F6.9	chrIII	0.856928	0.044527
F22D6.10	col-60	chrI	0.856509	0.000000
Y51A2D.11	ttr-26	chrV	0.856084	0.000000
R12G8.2	twk-36	chrV	0.855859	0.018952
ZK353.10	ZK353.10	chrIII	0.855663	0.021690
K02E11.6	K02E11.6	chrV	0.855134	0.000008
F32G8.5	col-152	chrV	0.855029	0.000672
B0554.6	dod-20	chrV	0.854538	0.049064
C35C5.8	C35C5.8	chrX	0.854356	0.000000
F36D4.4	F36D4.4	chrV	0.852810	0.011886
Y51H4A.5	Y51H4A.5	chrIV	0.852288	0.002430
B0244.9	B0244.9	chrIII	0.850686	0.005970
R12E2.14	R12E2.14	chrI	0.850675	0.000012
C29E4.12	C29E4.12	chrIII	0.849005	0.000041
C31G12.2	clcc-245	chrV	0.848558	0.000091
F20B6.9	F20B6.9	chrX	0.848033	0.000161
B0491.2	sqtl-1	chrII	0.847181	0.000000
T23B3.5	T23B3.5	chrI	0.847153	0.000000
F46A9.1	F46A9.1	chrI	0.846619	0.003611
R06F6.7	R06F6.7	chrII	0.846461	0.000000
K02D3.2	K02D3.2	chrX	0.845580	0.023048
B0416.2	B0416.2	chrX	0.845192	0.000001
C01G12.9	C01G12.9	chrII	0.845043	0.030502
T22H6.7	abf-6	chrX	0.844100	0.000000
F53B2.5	F53B2.5	chrIV	0.843530	0.004801
K10H10.4	K10H10.4	chrII	0.842395	0.000000
F09G2.6	ugt-36	chrV	0.842155	0.003137
F14D2.7	F14D2.7	chrII	0.842092	0.000000
F38A1.9	F38A1.9	chrIV	0.842041	0.000002
R09A8.4	col-182	chrX	0.841579	0.000010
T06E4.9	T06E4.9	chrV	0.841285	0.001418
T10B9.9	T10B9.9	chrII	0.840765	0.023345
K08D12.5	bus-2	chrIV	0.836733	0.021357
K07E3.9	K07E3.9	chrX	0.835612	0.034943
Y110A2AM.4	Y110A2AM.4	chrII	0.834947	0.000000
C34B4.4	C34B4.4	chrV	0.834414	0.034824
Y71H2AM.16	pho-9	chrIII	0.833754	0.000000
C37C3.12	C37C3.12	chrV	0.833350	0.000001
F36H12.5	F36H12.5	chrIV	0.832945	0.000447
W05G11.3	col-88	chrIII	0.831653	0.000000
F55H12.2	F55H12.2	chrI	0.830976	0.000062
C49H3.12	C49H3.12	chrIV	0.830480	0.012029
F58B3.2	lys-5	chrIV	0.830341	0.000048
K09G1.2	K09G1.2	chrV	0.829109	0.023345
K11G9.6	mtl-1	chrV	0.828982	0.000019

Y48G9A.7	Y48G9A.7	chrIII	0.828633	0.048191
F33A8.9	col-83	chrII	0.828289	0.042642
K07F5.8	K07F5.8	chrIV	0.828102	0.026723
F56D6.15	clec-69	chrIV	0.828029	0.030245
T06E4.14	T06E4.14	chrV	0.826556	0.000000
T02C12.5	T02C12.5	chrIII	0.825683	0.011344
F11C7.7	F11C7.7	chrX	0.825023	0.003270
F37B1.1	gst-24	chrII	0.824793	0.000000
F17C8.2	col-89	chrIII	0.824712	0.000050
F33E2.8	F33E2.8	chrI	0.824401	0.015703
C01H6.3	C01H6.3	chrI	0.823485	0.049966
C45E1.4	C45E1.4	chrI	0.823297	0.000000
M04C7.1	gpa-15	chrI	0.821608	0.004454
C40H1.7	C40H1.7	chrIII	0.821383	0.000000
F35H8.4	F35H8.4	chrII	0.821293	0.003527
F09E10.11	tts-1	chrX	0.820250	0.000000
F14D7.12	F14D7.12	chrV	0.820160	0.004719
T10E10.6	col-170	chrX	0.820048	0.000002
ZC116.5	ZC116.5	chrV	0.817888	0.002494
F35E12.4	F35E12.4	chrV	0.817365	0.003481
Y57G7A.5	Y57G7A.5	chrII	0.816757	0.007824
C34H4.4	col-107	chrIV	0.816238	0.000000
C52D10.13	col-138	chrIV	0.815522	0.000000
ZK1025.3	ZK1025.3	chrI	0.814653	0.000000
K02E11.4	K02E11.4	chrV	0.813254	0.000006
C55C2.5	aat-5	chrI	0.812166	0.000000
F36D1.7	F36D1.7	chrI	0.811453	0.008903
Y23B4A.2	Y23B4A.2	chrX	0.810454	0.000053
W01D2.3	W01D2.3	chrII	0.810305	0.003387
F59B10.3	F59B10.3	chrII	0.810299	0.000041
F59E11.2	F59E11.2	chrV	0.809864	0.000461
C35B8.1	col-175	chrX	0.809647	0.000000
F59B10.4	F59B10.4	chrII	0.809223	0.000000
F58A3.4	F58A3.4	chrX	0.809218	0.018982
F29B9.7	F29B9.7	chrIV	0.809120	0.020441
F38G1.2	egl-17	chrX	0.808706	0.030502
F09D12.2	F09D12.2	chrIV	0.808665	0.001492
K07A12.6	hot-5	chrI	0.808035	0.011066
T05C1.2	T05C1.2	chrII	0.807547	0.025010
C53A5.5	C53A5.5	chrV	0.807484	0.000001
Y51A2D.12	srg-34	chrV	0.807155	0.039664
F15A4.6	F15A4.6	chrII	0.806884	0.000000
C39D10.2	C39D10.2	chrX	0.806639	0.000007
T23B7.1	nspd-4	chrII	0.805723	0.008278
ZC376.8	ZC376.8	chrV	0.805155	0.010704
Y32G9A.10	Y32G9A.10	chrV	0.804228	0.013598
C08F11.1	C08F11.1	chrIV	0.802839	0.000000
K01D12.5	K01D12.5	chrV	0.801087	0.003344
F17A9.1	fbxa-178	chrV	0.800289	0.032395
F26A10.1	F26A10.1	chrX	0.800013	0.002465
F35C5.10	nspb-11	chrII	0.800006	0.039664
C18D4.8	C18D4.8	chrV	0.798831	0.000007
H08M01.1	H08M01.1	chrIV	0.798767	0.019858
F35C5.12	F35C5.12	chrII	0.797423	0.000038
F40H6.1	F40H6.1	chrIII	0.797097	0.001375
C07H6.9	C07H6.9	chrIII	0.796531	0.003777
F11D5.7	F11D5.7	chrX	0.796433	0.000202
Y57A10A.11	rol-1	chrII	0.796065	0.000000
Y67A6A.1	Y67A6A.1	chrI	0.795481	0.002630
F35C11.1	nlp-5	chrII	0.795320	0.000998
Y71A12C.2	Y71A12C.2	chrI	0.794770	0.000352
F27C8.4	spp-18	chrIV	0.794657	0.000000
F53A9.7	F53A9.7	chrX	0.793101	0.000000

Y37H2A.13	Y37H2A.13	chrV	0.791853	0.045370
Y10G11A.90	Y10G11A.90	chrIV	0.791656	0.000000
F22D6.8	F22D6.8	chrI	0.791501	0.000000
F23C8.13	F23C8.13	chrI	0.791456	0.000238
T01B7.7	rol-6	chrII	0.791363	0.000000
Y39F10C.2	Y39F10C.2	chrII	0.791004	0.032593
F44G4.7	F44G4.7	chrII	0.790740	0.048191
T21F2.1	lgc-53	chrX	0.790443	0.011389
T27A10.2	T27A10.2	chrX	0.790339	0.002851
ZK673.1	ZK673.1	chrII	0.789470	0.000000
F54D12.4	F54D12.4	chrII	0.788380	0.000000
F41G3.10	F41G3.10	chrII	0.787889	0.000000
C17E7.3	sre-9	chrV	0.786295	0.028434
Y43B11AR.7	Y43B11AR.7	chrIV	0.786099	0.000000
T27B7.4	nhr-115	chrV	0.785353	0.000180
W08F4.12	W08F4.12	chrII	0.784584	0.003556
F58F6.1	col-104	chrIV	0.784554	0.000000
F40F12.9	F40F12.9	chrIII	0.784350	0.000913
K07D4.9	K07D4.9	chrII	0.784001	0.000000
R07H5.9	R07H5.9	chrIV	0.783988	0.000066
Y41E3.22	Y41E3.22	chrIV	0.783380	0.007365
W03D2.6	W03D2.6	chrIV	0.782361	0.000000
Y69A2AR.5	daao-1	chrIV	0.781701	0.000000
F28D1.5	thn-2	chrIV	0.781568	0.000000
Y54E2A.5	Y54E2A.5	chrII	0.780313	0.047355
F14F7.4	F14F7.4	chrIII	0.780042	0.020912
C14A6.6	C14A6.6	chrV	0.779909	0.023288
C13D9.8	ncx-9	chrV	0.779733	0.001065
E03H12.5	E03H12.5	chrIV	0.779695	0.000000
T05C12.3	T05C12.3	chrII	0.779031	0.016547
Y9C9A.6	str-168	chrIV	0.778960	0.012006
Y37A1B.15	gei-18	chrIV	0.778795	0.005714
T24D5.6	T24D5.6	chrX	0.778607	0.000001
F49E8.6	F49E8.6	chrIV	0.777893	0.002102
F33D11.8	F33D11.8	chrI	0.776417	0.002655
Y50E8A.12	Y50E8A.12	chrV	0.774983	0.006354
T19C3.2	T19C3.2	chrIII	0.774595	0.000000
C06B3.2	oac-3	chrV	0.774277	0.022033
T25B9.11	T25B9.11	chrIV	0.773798	0.001165
F48G7.5	F48G7.5	chrV	0.772979	0.002030
F16F9.3	F16F9.3	chrX	0.772849	0.000988
T10H9.8	T10H9.8	chrV	0.772194	0.000000
F54C9.4	col-38	chrII	0.771970	0.000000
MTCE.34	MTCE.34	chrM	0.771818	0.000000
M04D8.2	ins-22	chrIII	0.770201	0.001913
F39G3.1	ugt-61	chrV	0.770121	0.000000
F12E12.5	sdz-12	chrII	0.769774	0.000235
F26G1.2	F26G1.2	chrII	0.769318	0.000041
F08H9.2	F08H9.2	chrV	0.768858	0.000000
F07H5.7	F07H5.7	chrII	0.768496	0.002684
C49C8.1	C49C8.1	chrIV	0.768462	0.017896
Y38F1A.4	Y38F1A.4	chrII	0.767106	0.017283
R12C12.3	R12C12.3	chrII	0.766317	0.011347
C54G4.2	C54G4.2	chrI	0.765126	0.015248
T22B3.3	T22B3.3	chrIV	0.763932	0.000007
F39C12.4	F39C12.4	chrX	0.763635	0.003193
ZK287.8	her-1	chrV	0.763282	0.002684
F32A11.7	mltn-1	chrII	0.762820	0.000000
Y62H9A.13	Y62H9A.13	chrX	0.762709	0.021819
C04G2.1	ttr-39	chrIV	0.761587	0.000002
T12B5.6	fbxa-55	chrIII	0.761092	0.000000
C03C11.1	C03C11.1	chrI	0.760200	0.003192
T05E12.3	T05E12.3	chrV	0.759604	0.000000

T26G10.5	T26G10.5	chrIII	0.759355	0.031557
F22E5.13	F22E5.13	chrII	0.759254	0.012733
R07E5.6	R07E5.6	chrIII	0.758526	0.000551
C03A7.12	C03A7.12	chrV	0.758486	0.000001
C11H1.5	C11H1.5	chrX	0.757737	0.019119
F41G3.1	F41G3.1	chrII	0.757480	0.000000
C55A6.11	C55A6.11	chrV	0.756645	0.023345
Y53C12B.7	Y53C12B.7	chrII	0.756197	0.000000
T13F3.8	T13F3.8	chrV	0.755580	0.000929
W03A5.3	grl-22	chrIII	0.755556	0.000018
Y5H2B.5	cyp-32B1	chrV	0.755483	0.001302
F42F12.6	nspc-13	chrX	0.755180	0.000004
R05D8.10	dhs-15	chrV	0.754372	0.002395
W03D8.5	W03D8.5	chrI	0.754352	0.008343
D2062.7	D2062.7	chrII	0.754300	0.000328
B0554.5	B0554.5	chrV	0.753615	0.000024
K08D10.9	K08D10.9	chrIV	0.753487	0.017977
C29F3.6	srx-58	chrV	0.753275	0.048191
F33A8.10	F33A8.10	chrII	0.752042	0.016843
D1081.12	D1081.12	chrI	0.751690	0.010571
T16A9.3	T16A9.3	chrV	0.751335	0.000000
Y38E10A.26	nspe-2	chrII	0.751131	0.015248
B0563.8	B0563.8	chrX	0.750212	0.020149
F36A4.2	F36A4.2	chrIV	0.750198	0.024810
Y53C10A.2	Y53C10A.2	chrI	0.749548	0.000003
K09A11.2	cyp-14A1	chrX	0.749266	0.000009
K02E11.10	K02E11.10	chrV	0.748922	0.000000
T20C7.2	nhr-284	chrV	0.747994	0.000076
Y119D3B.9	fbxa-21	chrIII	0.747418	0.010737
ZK6.7	lipl-5	chrV	0.746749	0.000000
Y65B4BL.6	Y65B4BL.6	chrI	0.746652	0.006940
T02B11.6	T02B11.6	chrV	0.746275	0.029869
C54C6.5	C54C6.5	chrIII	0.745879	0.003960
Y49F6B.10	col-71	chrII	0.745656	0.000000
B0034.1	B0034.1	chrII	0.743722	0.000020
K03B4.2	K03B4.2	chrV	0.743613	0.000000
T06E4.10	T06E4.10	chrV	0.743469	0.035900
C30H6.5	C30H6.5	chrIV	0.742943	0.000117
R90.3	ttr-28	chrV	0.742486	0.015248
Y22D7AL.6	Y22D7AL.6	chrIII	0.742396	0.019530
C47E8.3	C47E8.3	chrV	0.741689	0.003811
F20G2.1	F20G2.1	chrV	0.741141	0.000066
C25H3.18	C25H3.18	chrII	0.740868	0.000018
F29B9.5	F29B9.5	chrIV	0.740080	0.002987
F46A8.11	F46A8.11	chrI	0.739881	0.001716
T07F10.5	T07F10.5	chrV	0.739468	0.006354
F08G5.4	col-130	chrIV	0.739016	0.000000
F46A8.1	F46A8.1	chrI	0.738950	0.026314
F58G4.6	str-146	chrV	0.738096	0.045122
C50B6.4	col-161	chrV	0.737969	0.000000
C15B12.5	gar-1	chrX	0.737820	0.000348
F54C1.9	sst-20	chrI	0.737786	0.003787
F42F12.1	nspc-9	chrX	0.737443	0.000000
ZK84.3	ins-5	chrII	0.737143	0.000475
Y54G2A.16	Y54G2A.16	chrIV	0.737064	0.000745
C15B12.8	C15B12.8	chrX	0.737035	0.000752
T26C12.4	gcy-23	chrIV	0.736796	0.000937
C34D4.11	grsp-3	chrIV	0.735283	0.000638
F26C11.1	F26C11.1	chrII	0.734384	0.000013
C46C2.3	C46C2.3	chrIV	0.734171	0.002808
K11H12.12	K11H12.12	chrIV	0.734057	0.017751
T05A1.5	T05A1.5	chrIV	0.732121	0.004956
C12D5.9	C12D5.9	chrV	0.731725	0.000019

F40G9.2	F40G9.2	chrIII	0.730881	0.000000
B0047.1	bath-20	chrII	0.730807	0.000579
ZC334.2	ins-30	chrI	0.730592	0.000074
R10E8.3	R10E8.3	chrV	0.730153	0.000285
ZK525.1	flp-15	chrIII	0.729713	0.000000
B0511.4	tag-344	chrI	0.729227	0.028200
Y50D4B.2	Y50D4B.2	chrV	0.728884	0.000001
Y1A5A.1	Y1A5A.1	chrIII	0.728477	0.029414
B0334.13	B0334.13	chrII	0.728476	0.019530
F31E9.1	F31E9.1	chrV	0.727549	0.000006
T08B1.3	alh-5	chrV	0.727019	0.000000
T07F12.3	arrd-23	chrX	0.726942	0.011962
T20G5.8	T20G5.8	chrIII	0.726940	0.000000
F40H3.6	F40H3.6	chrII	0.725403	0.000000
R13A1.5	R13A1.5	chrIV	0.725031	0.001363
F38B2.6	F38B2.6	chrX	0.724948	0.000018
K05F1.1	K05F1.1	chrII	0.724167	0.000014
F23H12.10	F23H12.10	chrV	0.723694	0.004016
F22G12.3	F22G12.3	chrI	0.723643	0.018763
T08B6.9	T08B6.9	chrIV	0.723215	0.002429
C34D4.15	col-113	chrIV	0.722924	0.000000
F09C8.1	F09C8.1	chrX	0.722649	0.000000
M195.1	col-77	chrII	0.721765	0.000000
F30B5.1	dpy-13	chrIV	0.721710	0.000000
F11E6.6	F11E6.6	chrIV	0.721633	0.010190
C44B11.4	C44B11.4	chrIII	0.721556	0.000130
H23N18.5	H23N18.5	chrV	0.720743	0.000003
Y48A6B.1	Y48A6B.1	chrIII	0.720672	0.023074
F16H11.4	ceh-1	chrX	0.720540	0.049966
T05B4.3	phat-4	chrV	0.720465	0.000000
T20G5.7	dod-6	chrIII	0.720420	0.000000
W09H1.4	W09H1.4	chrII	0.720403	0.000988
Y38H6C.15	Y38H6C.15	chrV	0.720292	0.037675
F27C1.8	dpy-5	chrI	0.719597	0.000000
F22E5.8	F22E5.8	chrII	0.718804	0.004422
F16B4.5	F16B4.5	chrV	0.718737	0.000609
Y24F12A.4	Y24F12A.4	chrIV	0.718687	0.000001
Y6B3B.10	lagr-1	chrI	0.718554	0.000016
R09A1.5	R09A1.5	chrV	0.718349	0.000002
Y105E8A.13	Y105E8A.13	chrI	0.718170	0.000888
AH6.3	AH6.3	chrII	0.717028	0.015808
Y27F2A.6	Y27F2A.6	chrII	0.716883	0.010296
F42F12.7	nspc-14	chrX	0.716430	0.000000
F54F3.3	lipI-1	chrV	0.715057	0.000027
F13D11.3	F13D11.3	chrX	0.714892	0.000000
F35B12.8	glb-15	chrV	0.714460	0.037675
M195.2	M195.2	chrII	0.714406	0.013262
T08A9.12	spp-2	chrX	0.714389	0.000000
T28A11.2	T28A11.2	chrV	0.714183	0.000001
F41E7.3	F41E7.3	chrX	0.713220	0.015199
R01B10.3	R01B10.3	chrV	0.712900	0.000000
B0379.7	B0379.7	chrI	0.712849	0.000032
C04G2.2	C04G2.2	chrIV	0.712440	0.001496
C28C12.4	C28C12.4	chrIV	0.712136	0.000002
T27C10.8	T27C10.8	chrI	0.712059	0.012897
ZC373.6	dao-4	chrX	0.711403	0.000223
F19B2.12	F19B2.12	chrV	0.710863	0.000000
ZK858.2	ZK858.2	chrI	0.710827	0.000000
F57H12.3	ora-1	chrIV	0.708310	0.000076
W02C12.2	W02C12.2	chrIV	0.707148	0.000031
R09E10.1	R09E10.1	chrIV	0.707136	0.020550
Y59E9AL.6	Y59E9AL.6	chrIV	0.706154	0.000000
F44D12.8	F44D12.8	chrIV	0.706118	0.006023

F19F10.3	F19F10.3	chrV	0.705944	0.000004
MTCE.7	MTCE.7	chrM	0.705586	0.000000
K01D12.14	cdr-5	chrV	0.704947	0.040662
ZK593.3	ZK593.3	chrIV	0.704922	0.000000
Y39B6A.9	Y39B6A.9	chrV	0.704645	0.019530
Y71G12B.27	Y71G12B.27	chrI	0.703991	0.003436
Y71H9A.2	sto-6	chrX	0.703779	0.008060
F16H6.2	clec-246	chrV	0.703688	0.011162
Y40H4A.2	Y40H4A.2	chrV	0.701921	0.036647
C46A5.3	col-14	chrIV	0.701797	0.000000
F25E5.2	F25E5.2	chrV	0.701609	0.002440
F25E5.16	F25E5.16	chrV	0.700484	0.007268
C08G5.5	C08G5.5	chrII	0.700113	0.000473
C35E7.9	C35E7.9	chrI	0.700023	0.048175
D1086.19	D1086.19	chrV	0.699455	0.003198
F47C10.2	btb-21	chrV	0.699265	0.002388
R07C12.2	R07C12.2	chrIV	0.699199	0.000000
F01D5.1	F01D5.1	chrII	0.698480	0.000000
C49C3.2	C49C3.2	chrIV	0.698162	0.003729
Y105C5B.18	Y105C5B.18	chrIV	0.697876	0.015550
H35N03.1	exp-1	chrII	0.697737	0.012829
E03A3.4	his-70	chrIII	0.697597	0.026274
F58A6.4	nas-29	chrII	0.696054	0.034334
Y41E3.2	dpy-4	chrIV	0.695931	0.000000
T02D1.6	T02D1.6	chrIV	0.694809	0.019576
Y39A3CR.5	Y39A3CR.5	chrIII	0.694271	0.003845
Y73F4A.3	Y73F4A.3	chrIV	0.694052	0.000132
F58G6.9	F58G6.9	chrIV	0.693563	0.000000
T27E4.7	T27E4.7	chrV	0.693197	0.000000
D2096.6	D2096.6	chrIV	0.692759	0.000010
Y54G11A.17	Y54G11A.17	chrII	0.691009	0.000021
C06A8.6	C06A8.6	chrII	0.690907	0.000158
R09H10.2	R09H10.2	chrIV	0.690904	0.002303
Y73B6BL.35	Y73B6BL.35	chrIV	0.690535	0.000002
Y51H7C.13	Y51H7C.13	chrII	0.690227	0.000000
F13G3.1	ztf-2	chrI	0.689784	0.000669
T02E1.7	T02E1.7	chrI	0.689066	0.020996
F59A6.2	F59A6.2	chrII	0.688264	0.026165
F41G3.21	F41G3.21	chrII	0.687796	0.000000
K07A12.8	K07A12.8	chrI	0.686705	0.001851
Y75B12B.3	Y75B12B.3	chrV	0.686643	0.002074
C24D10.7	nspd-3	chrIV	0.685773	0.000988
Y47G6A.15	Y47G6A.15	chrI	0.685227	0.000000
Y71A12B.10	Y71A12B.10	chrI	0.685183	0.004127
F54C9.14	F54C9.14	chrII	0.683528	0.002359
F31E9.3	F31E9.3	chrV	0.683514	0.022116
K08C9.4	col-65	chrI	0.682651	0.000000
W07E11.3	flp-2	chrX	0.682395	0.000003
F41C6.5	col-173	chrX	0.682067	0.000550
F35A5.2	F35A5.2	chrX	0.681905	0.000033
F11G11.12	col-73	chrII	0.681890	0.000000
C03B8.3	C03B8.3	chrIII	0.681407	0.023822
B0432.8	B0432.8	chrII	0.681401	0.000172
F27C1.3	F27C1.3	chrI	0.681144	0.042613
Y87G2A.19	Y87G2A.19	chrI	0.681095	0.000000
R06F6.11	tag-209	chrII	0.680918	0.000000
D1086.5	D1086.5	chrV	0.680610	0.000158
F28H7.4	F28H7.4	chrV	0.679428	0.029615
Y71H2AM.22	twk-45	chrIII	0.679168	0.003611
K11D12.1	cwp-4	chrV	0.679119	0.008472
F58D2.4	F58D2.4	chrIV	0.677711	0.026848
C14C6.2	C14C6.2	chrV	0.677560	0.000000
ZK337.5	mtt-1	chrI	0.677156	0.000758

Y39A3CL.3	Y39A3CL.3	chrIII	0.676871	0.000000
K08D10.10	K08D10.10	chrIV	0.676743	0.000040
R11D1.12	R11D1.12	chrV	0.676693	0.016547
B0244.5	B0244.5	chrIII	0.676592	0.041877
C01F1.4	C01F1.4	chrII	0.676270	0.009458
C01C4.1	nlp-1	chrX	0.676248	0.000001
C27D8.1	C27D8.1	chrIV	0.676026	0.000053
F59C6.6	nlp-4	chrI	0.675977	0.009255
F46C5.4	F46C5.4	chrII	0.675767	0.049709
T04F3.2	T04F3.2	chrV	0.675269	0.000416
F11C7.2	F11C7.2	chrX	0.674619	0.000077
R03C1.1	R03C1.1	chrII	0.674156	0.001370
C07A4.3	C07A4.3	chrX	0.674063	0.010296
Y48G10A.6	Y48G10A.6	chrI	0.674024	0.000262
C26F1.10	flp-21	chrV	0.673388	0.000100
T09B9.2	T09B9.2	chrX	0.673066	0.048772
T03F1.11	T03F1.11	chrI	0.672639	0.000000
Y105E8A.27	Y105E8A.27	chrI	0.672462	0.011495
F42G9.4	F42G9.4	chrIII	0.672347	0.017116
T19D12.9	T19D12.9	chrII	0.671406	0.039750
C03G5.2	nspc-7	chrX	0.670525	0.000118
D2024.7	gstk-2	chrIV	0.669148	0.000000
F09F3.6	ttr-21	chrV	0.668830	0.000000
T07D10.6	flp-33	chrI	0.668681	0.000001
Y38H6C.19	Y38H6C.19	chrV	0.668595	0.000004
F23C8.1	F23C8.1	chrI	0.668407	0.048599
C40C9.3	C40C9.3	chrX	0.667646	0.037368
T09A5.3	acr-7	chrII	0.667534	0.031562
C04E6.13	C04E6.13	chrV	0.666279	0.000157
F56D6.13	F56D6.13	chrIV	0.665180	0.023589
T27A3.5	T27A3.5	chrI	0.665170	0.000971
H04D03.3	H04D03.3	chrIII	0.665136	0.008777
C36A4.3	cyp-25A3	chrIII	0.664760	0.000000
C16A3.11	C16A3.11	chrIII	0.664177	0.002454
C41H7.1	C41H7.1	chrII	0.663513	0.040654
ZK265.2	col-63	chrI	0.663383	0.000000
C40A11.8	C40A11.8	chrII	0.662898	0.011962
F35B12.2	dhs-20	chrV	0.662884	0.000004
F35B12.6	tag-290	chrV	0.662574	0.000000
C02E7.7	C02E7.7	chrV	0.662092	0.000000
M18.2	dlc-2	chrIV	0.661758	0.000000
C01B12.9	C01B12.9	chrII	0.661314	0.000023
C33A12.2	nlp-35	chrIV	0.661242	0.000441
M01H9.1	trx-3	chrIV	0.661139	0.000257
F21E9.3	ttr-37	chrX	0.660966	0.000000
F41G4.1	F41G4.1	chrX	0.660796	0.000212
F57G9.6	F57G9.6	chrII	0.660770	0.014113
F07C6.3	F07C6.3	chrIV	0.660725	0.000000
E04D5.5	E04D5.5	chrII	0.660631	0.000001
C50E10.1	C50E10.1	chrII	0.660533	0.000500
F41F3.3	F41F3.3	chrV	0.660511	0.000000
F49E11.11	scl-3	chrIV	0.660479	0.000000
C31H5.5	C31H5.5	chrI	0.660384	0.000006
F26G1.5	F26G1.5	chrII	0.660179	0.000002
ZC47.3	fbxa-29	chrIII	0.659911	0.001062
Y47D7A.13	Y47D7A.13	chrV	0.659689	0.000000
F27E5.7	F27E5.7	chrII	0.659372	0.000007
ZC239.7	gcy-15	chrII	0.659125	0.004650
F59A7.5	F59A7.5	chrV	0.658312	0.000005
Y54F10AM.6	Y54F10AM.6	chrIII	0.657930	0.000110
Y67H2A.9	Y67H2A.9	chrIV	0.656901	0.000000
C42D4.3	C42D4.3	chrIV	0.656363	0.000010
F55G11.4	F55G11.4	chrIV	0.656211	0.000000

F26A3.4	F26A3.4	chrI	0.655765	0.000000
C34F11.8	C34F11.8	chrII	0.655727	0.000001
F57B7.3	col-156	chrV	0.655568	0.000000
4R79.2	4R79.2	chrIV	0.655342	0.013798
W01B6.3	W01B6.3	chrIV	0.655120	0.032961
R90.4	ttr-29	chrV	0.654908	0.012134
T04C12.3	T04C12.3	chrV	0.654467	0.000000
C33G8.3	C33G8.3	chrV	0.654183	0.000213
C03G6.3	srj-14	chrV	0.654156	0.000001
F10G2.3	clec-7	chrV	0.654016	0.000000
Y37D8A.15	flp-14	chrIII	0.653646	0.000000
Y73F8A.31	Y73F8A.31	chrIV	0.653043	0.008091
ZK669.3	ZK669.3	chrII	0.652432	0.000000
C08F8.7	rap-3	chrIV	0.652267	0.003878
C34D4.3	C34D4.3	chrIV	0.652183	0.000733
K03E5.1	K03E5.1	chrI	0.651966	0.013720
F41G4.3	sto-5	chrX	0.651378	0.000000
Y47D3B.6	Y47D3B.6	chrIII	0.651302	0.000003
Y55D5A.4	Y55D5A.4	chrIII	0.651151	0.001650
F11C7.3	vap-1	chrX	0.651132	0.000002
R173.4	flp-26	chrX	0.651040	0.000030
M04F3.2	M04F3.2	chrI	0.650713	0.000266
W03C9.5	W03C9.5	chrII	0.650654	0.000000
C24F3.3	nas-12	chrIV	0.650292	0.038755
C15H11.2	gnrr-2	chrV	0.650271	0.000000
C03G5.8	nspc-1	chrX	0.650103	0.000556
M117.6	M117.6	chrIV	0.649921	0.000065
D1054.18	D1054.18	chrV	0.649897	0.000001
ZK218.1	ZK218.1	chrV	0.648677	0.001090
F32A6.5	sto-2	chrX	0.648141	0.013722
Y9D1A.1	Y9D1A.1	chrII	0.647941	0.000002
Y116F11A.4	Y116F11A.4	chrV	0.647768	0.007594
Y2H9A.3	col-162	chrV	0.647411	0.000000
T26E3.11	T26E3.11	chrI	0.646893	0.008448
C49G7.3	C49G7.3	chrV	0.646842	0.000000
W03G11.2	W03G11.2	chrX	0.645732	0.002255
Y119D3B.13	Y119D3B.13	chrIII	0.645419	0.000000
Y51H4A.9	col-137	chrIV	0.645234	0.000000
W07E11.4	flp-28	chrX	0.645131	0.000000
C49C8.3	C49C8.3	chrIV	0.644396	0.000000
F59E12.4	npl-4.1	chrII	0.643477	0.000000
T14A8.2	T14A8.2	chrIV	0.643450	0.000166
C34F11.4	msh-50	chrII	0.643080	0.001305
Y53F4B.19	Y53F4B.19	chrII	0.642163	0.001481
M02E1.2	M02E1.2	chrX	0.642139	0.003169
F35E2.5	F35E2.5	chrI	0.641339	0.043213
C43F9.5	C43F9.5	chrIV	0.641142	0.019693
F56F3.6	ins-17	chrIII	0.641086	0.000001
F09E10.7	F09E10.7	chrX	0.640850	0.000044
Y76B12C.4	Y76B12C.4	chrIV	0.640567	0.000250
K10D11.3	K10D11.3	chrIV	0.640489	0.010304
R07C3.13	R07C3.13	chrII	0.639824	0.029386
F54F12.2	F54F12.2	chrIII	0.639680	0.008397
W03F8.2	W03F8.2	chrIV	0.639634	0.003299
D2062.6	D2062.6	chrII	0.638850	0.014220
Y58G8A.5	Y58G8A.5	chrV	0.638795	0.007111
C25D7.15	C25D7.15	chrV	0.638705	0.016268
F30A10.15	F30A10.15	chrI	0.638097	0.009933
T10B10.6	phat-6	chrX	0.637554	0.000000
C05E11.8	flp-12	chrX	0.637518	0.000000
F14H12.7	F14H12.7	chrX	0.637435	0.002977
Y45F10C.2	Y45F10C.2	chrIV	0.637111	0.000201
C26C6.3	nas-36	chrI	0.636512	0.000208

F48B9.4	nlp-37	chrX	0.636370	0.000001
Y39A1C.1	Y39A1C.1	chrIII	0.636320	0.000001
C45E5.4	C45E5.4	chrIV	0.635912	0.000000
F23B2.5	flp-1	chrIV	0.635598	0.000000
Y49E10.26	Y49E10.26	chrIII	0.635306	0.000001
F46C5.10	F46C5.10	chrII	0.635301	0.000000
F11E6.11	F11E6.11	chrIV	0.635186	0.016301
F53G12.4	F53G12.4	chrI	0.634832	0.006805
H10E21.4	H10E21.4	chrIII	0.634176	0.000003
Y43C5A.3	Y43C5A.3	chrIV	0.633548	0.000000
F32B6.4	F32B6.4	chrIV	0.633363	0.001025
T11B7.5	T11B7.5	chrIV	0.633030	0.000000
C46E10.1	C46E10.1	chrII	0.632603	0.013680
T07E3.6	pdf-1	chrIII	0.632573	0.000000
F26G1.11	F26G1.11	chrII	0.632565	0.038782
H17B01.2	col-70	chrII	0.632474	0.030233
C49F5.9	C49F5.9	chrX	0.632078	0.000001
C06B3.6	C06B3.6	chrV	0.631878	0.000000
F32A5.4	F32A5.4	chrII	0.631871	0.000000
K08F4.11	gst-3	chrIV	0.631540	0.001865
Y1H11.2	gst-35	chrII	0.631466	0.000002
F44G4.6	F44G4.6	chrII	0.631271	0.037386
W02A11.8	bath-35	chrI	0.630931	0.000019
C27A12.4	C27A12.4	chrI	0.630867	0.035599
C50F2.7	C50F2.7	chrI	0.630479	0.001375
F28F8.10	F28F8.10	chrV	0.630425	0.000069
F33A8.2	nlp-18	chrII	0.630286	0.000000
F56C4.3	glb-19	chrIV	0.629960	0.001108
F41B5.4	cyp-33C3	chrV	0.629833	0.000184
T22B11.3	T22B11.3	chrIV	0.629602	0.001573
C33G8.2	C33G8.2	chrV	0.629510	0.000000
Y105E8A.36	Y105E8A.36	chrI	0.629477	0.000000
C01B12.8	C01B12.8	chrII	0.629216	0.000000
B0280.2	B0280.2	chrIII	0.628997	0.038577
Y51F10.7	Y51F10.7	chrI	0.628815	0.000000
Y17G7B.6	glb-29	chrII	0.628618	0.030892
B0212.1	otpl-1	chrIV	0.628577	0.012399
F45C12.2	F45C12.2	chrII	0.628424	0.002286
R04F11.1	R04F11.1	chrV	0.628392	0.043375
F54D5.3	F54D5.3	chrII	0.628272	0.000000
T28B4.4	T28B4.4	chrX	0.627462	0.004451
C25F9.10	C25F9.10	chrV	0.627103	0.010214
Y37E11AL.2	Y37E11AL.2	chrIV	0.626754	0.002512
T05E11.2	T05E11.2	chrIV	0.626583	0.001491
R06B10.5	tbc-10	chrIII	0.626068	0.002083
F08F1.4	F08F1.4	chrX	0.625253	0.000035
Y47H9C.1	Y47H9C.1	chrI	0.624630	0.000240
T09A5.1	cex-2	chrII	0.624596	0.000000
VK10D6R.1	cnc-10	chrV	0.624397	0.000000
F45E4.8	nlp-20	chrIV	0.624358	0.000000
MTCE.3	MTCE.3	chrM	0.624318	0.000000
F36H12.1	nlp-47	chrIV	0.623868	0.000000
F35H10.3	F35H10.3	chrIV	0.623850	0.008836
C27C7.7	C27C7.7	chrI	0.623809	0.017759
C05D11.5	C05D11.5	chrIII	0.623516	0.000000
M04B2.7	M04B2.7	chrIV	0.623398	0.003299
D2096.9	D2096.9	chrIV	0.623295	0.029687
C25H3.5	flp-27	chrII	0.622965	0.000006
Y51H4A.25	Y51H4A.25	chrIV	0.622582	0.001665
F09E8.8	F09E8.8	chrIV	0.621810	0.004650
C05D9.9	C05D9.9	chrX	0.621166	0.000000
B0563.5	B0563.5	chrX	0.620640	0.046866
T04A6.5	T04A6.5	chrIII	0.620402	0.000007

ZK6.3	scl-27	chrV	0.620363	0.035900
T28D6.3	T28D6.3	chrIII	0.620046	0.000000
C09F12.2	C09F12.2	chrX	0.619644	0.025055
F27B10.1	F27B10.1	chrV	0.618997	0.000385
C05D12.5	C05D12.5	chrII	0.618280	0.000003
Y38E10A.11	nspe-4	chrII	0.618216	0.026907
C36C5.12	C36C5.12	chrV	0.618180	0.011590
Y12A6A.2	Y12A6A.2	chrX	0.618162	0.033421
B0025.5	B0025.5	chrI	0.618146	0.001456
ZK1320.2	ZK1320.2	chrII	0.617870	0.000000
C53A3.1	C53A3.1	chrV	0.617470	0.001328
K07B1.8	K07B1.8	chrV	0.617313	0.000000
K01D12.9	K01D12.9	chrV	0.616655	0.000019
F41E6.11	F41E6.11	chrV	0.616336	0.000616
R05D8.7	R05D8.7	chrV	0.615569	0.020329
C16D9.1	C16D9.1	chrV	0.615234	0.002401
ZK384.4	ZK384.4	chrV	0.614792	0.002470
Y94H6A.3	Y94H6A.3	chrIV	0.614521	0.000000
F20D6.6	F20D6.6	chrV	0.614103	0.010482
T14E8.3	dop-3	chrX	0.613982	0.007588
T02B11.4	T02B11.4	chrV	0.613729	0.000000
F36A4.10	col-34	chrIV	0.612797	0.000000
Y22D7AR.10	Y22D7AR.10	chrIII	0.612548	0.000000
W02F12.8	W02F12.8	chrV	0.612510	0.015823
F25E5.8	F25E5.8	chrV	0.611762	0.000000
H17B01.5	H17B01.5	chrII	0.611684	0.041852
F43E2.5	msra-1	chrII	0.611563	0.000000
F59C6.16	F59C6.16	chrI	0.611002	0.000028
R02D5.7	R02D5.7	chrV	0.610810	0.010942
T24C2.5	T24C2.5	chrX	0.610761	0.000352
W03G9.3	W03G9.3	chrI	0.610631	0.000723
F56C9.11	F56C9.11	chrIII	0.610534	0.000000
B0228.1	B0228.1	chrII	0.610460	0.000000
C04E12.2	C04E12.2	chrV	0.609933	0.000748
C48E7.11	C48E7.11	chrI	0.609718	0.000000
T26C5.4	T26C5.4	chrII	0.609163	0.000844
K08E5.1	K08E5.1	chrIII	0.608874	0.000101
Y43F8B.9	Y43F8B.9	chrV	0.608845	0.001430
C38C3.3	C38C3.3	chrV	0.608809	0.028787
Y38H6C.21	Y38H6C.21	chrV	0.608794	0.000240
Y57G7A.2	Y57G7A.2	chrII	0.608785	0.000042
F58B4.3	F58B4.3	chrV	0.608780	0.000068
ZC395.5	ZC395.5	chrIII	0.608712	0.000398
C23H5.3	xbx-4	chrIV	0.608550	0.036081
Y41C4A.6	Y41C4A.6	chrIII	0.608367	0.000781
Y95B8A.4	Y95B8A.4	chrI	0.608286	0.019556
ZK1127.6	ZK1127.6	chrII	0.608243	0.000000
C17H12.8	C17H12.8	chrIV	0.607401	0.000000
F56D5.4	F56D5.4	chrIV	0.607079	0.000000
ZK1225.4	ZK1225.4	chrI	0.606939	0.013849
F35G2.3	F35G2.3	chrIV	0.606804	0.003500
T20B3.12	clec-26	chrV	0.606416	0.001176
T28B8.2	ins-18	chrI	0.606321	0.004123
F19H6.2	glb-13	chrX	0.605814	0.003363
F41H10.2	F41H10.2	chrIV	0.605591	0.000653
C43G2.3	C43G2.3	chrIV	0.605146	0.018709
R12E2.7	R12E2.7	chrI	0.604783	0.000003
B0035.13	B0035.13	chrIV	0.604511	0.000000
K11D12.8	K11D12.8	chrV	0.603682	0.022522
F49C12.10	F49C12.10	chrIV	0.603502	0.000876
Y39B6A.13	Y39B6A.13	chrV	0.603263	0.000000
F53A9.6	F53A9.6	chrX	0.602584	0.000028
F37H8.7	F37H8.7	chrII	0.602490	0.007046

F26A1.10	nspd-9	chrIII	0.602274	0.044344
K01A2.2	far-7	chrII	0.602252	0.001115
F45D3.3	F45D3.3	chrV	0.601965	0.000000
M02B7.7	M02B7.7	chrIV	0.601804	0.000001
C11E4.2	C11E4.2	chrX	0.601801	0.000001
F18E3.7	ddo-2	chrV	0.601629	0.000000
T23F6.3	T23F6.3	chrIV	0.601028	0.011416
Y66D12A.11	Y66D12A.11	chrIII	0.600971	0.029923
C09G5.3	col-79	chrII	0.600428	0.001306
H16D19.5	H16D19.5	chrI	0.600427	0.004880
B0280.11	B0280.11	chrIII	0.600396	0.038755
ZK616.61	ZK616.61	chrIV	0.600228	0.037058
C24A1.1	flp-24	chrIII	0.599667	0.000000
Y54G2A.32	Y54G2A.32	chrIV	0.599566	0.000843
F59H6.8	bath-21	chrII	0.599520	0.000033
F32B4.5	F32B4.5	chrI	0.599206	0.020329
C14C11.7	C14C11.7	chrV	0.598546	0.000000
Y17G9A.4	Y17G9A.4	chrIV	0.598439	0.018967
Y38C1BA.3	col-109	chrIV	0.598290	0.000000
M01D7.5	nlp-12	chrI	0.598255	0.000063
F55C10.3	col-155	chrV	0.598088	0.000003
W07E11.2	flp-3	chrX	0.598072	0.000000
Y50D4A.6	Y50D4A.6	chrV	0.597947	0.008710
Y106G6H.16	Y106G6H.16	chrI	0.597835	0.000000
M79.4	flp-19	chrX	0.597812	0.000000
C13G3.1	C13G3.1	chrV	0.597792	0.000001
F56A11.6	F56A11.6	chrIV	0.597753	0.000687
Y57G7A.1	Y57G7A.1	chrII	0.597343	0.000161
F21C10.8	pqn-31	chrV	0.596747	0.000000
R07B1.8	R07B1.8	chrX	0.596606	0.040120
Y38E10A.10	lips-16	chrII	0.596509	0.000058
C18A11.2	C18A11.2	chrX	0.596509	0.035900
Y37H2A.14	Y37H2A.14	chrV	0.596111	0.000346
F37B1.2	gst-12	chrII	0.596009	0.002403
T01D1.6	abu-11	chrII	0.595962	0.000003
C17F3.1	C17F3.1	chrI	0.595489	0.000491
C08F8.4	mboa-4	chrIV	0.594845	0.002592
K11E4.1	K11E4.1	chrX	0.594730	0.006112
C48D1.3	cho-1	chrIV	0.594590	0.004027
Y39A1A.20	Y39A1A.20	chrIII	0.594438	0.000000
T12D8.10	T12D8.10	chrIII	0.594187	0.000000
ZK622.4	ZK622.4	chrII	0.594051	0.000029
F41B5.1	F41B5.1	chrV	0.593709	0.004335
F13H6.5	F13H6.5	chrV	0.593478	0.017981
F36H5.2	math-27	chrII	0.593460	0.000001
W04B5.2	W04B5.2	chrIII	0.593190	0.000064
R03A10.2	flp-32	chrX	0.592659	0.007622
C18H7.4	C18H7.4	chrIV	0.592575	0.027867
B0205.10	B0205.10	chrI	0.592454	0.000060
B0207.12	avr-14	chrI	0.592140	0.000025
C45G9.13	C45G9.13	chrIII	0.592018	0.000140
ZK1320.10	nlp-11	chrII	0.592004	0.000000
F52E1.5	F52E1.5	chrV	0.591971	0.000712
T06E4.8	T06E4.8	chrV	0.591844	0.018270
C49F8.3	C49F8.3	chrX	0.590928	0.000015
ZC416.8	cha-1	chrIV	0.590735	0.000004
PDB1.1	PDB1.1	chrX	0.590692	0.000000
F53F4.13	F53F4.13	chrV	0.590284	0.000000
K09A9.8	K09A9.8	chrX	0.590278	0.027941
F14F11.2	F14F11.2	chrII	0.590183	0.000012
C36E6.8	C36E6.8	chrX	0.589572	0.011680
T11F9.9	col-157	chrV	0.589465	0.000143
F53A9.9	F53A9.9	chrX	0.589393	0.000775

C49G7.4	phat-3	chrV	0.589325	0.000001
K05F1.9	K05F1.9	chrII	0.588023	0.001411
T04G9.2	nas-15	chrX	0.587568	0.002145
F58B3.3	lys-6	chrIV	0.587326	0.002275
C34E11.4	C34E11.4	chrX	0.587281	0.029923
Y57G11C.46	Y57G11C.46	chrIV	0.587175	0.025093
C13A10.2	C13A10.2	chrII	0.587120	0.019624
F33D4.7	F33D4.7	chrIV	0.586731	0.000000
F23A7.8	F23A7.8	chrX	0.586472	0.000000
F54A3.4	F54A3.4	chrII	0.586336	0.045153
F35B3.4	F35B3.4	chrX	0.585766	0.000138
T09E11.11	T09E11.11	chrI	0.585406	0.003450
H37A05.4	H37A05.4	chrV	0.585342	0.000000
T03D8.7	T03D8.7	chrV	0.585251	0.000283
ZK688.10	ZK688.10	chrIII	0.585031	0.021756
F33D4.3	flp-13	chrIV	0.584761	0.000000
M02H5.3	nhr-201	chrV	0.584438	0.000083
C16B8.2	C16B8.2	chrX	0.584357	0.040269
ZC334.9	ins-28	chrI	0.584122	0.005064
K04C2.3	K04C2.3	chrIII	0.583916	0.000000
F19G12.4	F19G12.4	chrX	0.583518	0.016382
Y43F8B.11	Y43F8B.11	chrV	0.583287	0.015938
F14D2.11	F14D2.11	chrII	0.583242	0.000005
F27D4.8	F27D4.8	chrI	0.582628	0.000000
C01B10.1	C01B10.1	chrIV	0.582567	0.000000
F54B8.3	fbxa-69	chrV	0.581704	0.000001
F18E3.12	F18E3.12	chrV	0.581529	0.000000
F43G6.10	F43G6.10	chrII	0.581098	0.000000
Y102A5C.34	Y102A5C.34	chrV	0.581053	0.011081
K02E11.3	K02E11.3	chrV	0.580653	0.000204
W07G4.6	srr-1	chrV	0.580261	0.048115
W01D2.1	W01D2.1	chrII	0.580054	0.000000
R05A10.3	R05A10.3	chrIV	0.579659	0.001315
F59F3.4	F59F3.4	chrX	0.579040	0.000257
F35B12.3	F35B12.3	chrV	0.578595	0.000000
C31H2.2	dpy-8	chrX	0.578555	0.000006
C05B5.2	C05B5.2	chrIII	0.578474	0.000605
Y37D8A.5	Y37D8A.5	chrIII	0.578379	0.035900
F36A4.8	ttr-20	chrIV	0.578359	0.000040
VH15N14R.1	VH15N14R.1	chrI	0.578201	0.003046
ZK1290.3	rol-8	chrII	0.577786	0.000001
F20C5.4	F20C5.4	chrIV	0.577779	0.000002
H06I04.8	H06I04.8	chrIII	0.577576	0.010282
H05L03.3	H05L03.3	chrX	0.577260	0.000000
F42F12.2	zig-2	chrX	0.577241	0.000017
Y76A2B.4	Y76A2B.4	chrIII	0.577194	0.000000
F55D12.5	F55D12.5	chrI	0.576641	0.000000
Y46C8AL.9	clcc-75	chrIV	0.576504	0.011029
F49E11.10	scl-2	chrIV	0.576230	0.000003
F18G5.4	lgc-4	chrX	0.575435	0.000078
F07F6.2	F07F6.2	chrII	0.575418	0.021756
C01G10.12	dnj-3	chrV	0.575033	0.000000
C50E3.11	C50E3.11	chrV	0.574218	0.000000
F42A9.8	F42A9.8	chrIV	0.573889	0.000000
R07B1.11	R07B1.11	chrX	0.573554	0.012597
Y49E10.18	Y49E10.18	chrIII	0.572552	0.000000
W02B12.13	W02B12.13	chrII	0.572291	0.021777
F23C8.8	F23C8.8	chrI	0.572271	0.026967
T06A1.1	T06A1.1	chrV	0.572041	0.014401
F41E7.4	fip-5	chrX	0.572006	0.000003
W05F2.7	W05F2.7	chrI	0.571822	0.001499
F37A4.2	F37A4.2	chrIII	0.571593	0.000066
F53F1.6	F53F1.6	chrV	0.571031	0.002983

K10C9.7	K10C9.7	chrV	0.571002	0.024709
C09E7.2	pqn-10	chrIII	0.570995	0.048250
T07C4.4	spp-1	chrIII	0.570815	0.000000
T05F1.8	T05F1.8	chrI	0.570657	0.049894
Y38C1AA.7	Y38C1AA.7	chrIV	0.570168	0.000000
Y54E10BL.2	col-48	chrI	0.570134	0.000000
Y24F12A.3	Y24F12A.3	chrIV	0.570126	0.037368
M151.4	M151.4	chrII	0.570119	0.000037
K08C9.1	K08C9.1	chrI	0.569698	0.035625
ZC334.1	ins-26	chrI	0.569668	0.001294
F23D12.3	F23D12.3	chrX	0.569498	0.000018
Y48G1C.13	Y48G1C.13	chrI	0.569479	0.000129
F46C8.8	F46C8.8	chrX	0.569444	0.000306
Y43F8C.9	Y43F8C.9	chrV	0.569257	0.005064
F45C12.8	fbxa-184	chrII	0.569094	0.001831
Y42H9B.1	col-115	chrIV	0.568955	0.001003
ZK622.5	ZK622.5	chrII	0.568675	0.000184
F31E9.11	F31E9.11	chrV	0.568587	0.004616
Y51H7BM.1	math-45	chrII	0.567951	0.013242
F22B8.5	str-7	chrV	0.567905	0.000033
M02B7.3	osm-3	chrIV	0.567876	0.000246
Y39G8B.9	Y39G8B.9	chrII	0.567698	0.002271
C08F1.4	math-3	chrII	0.567182	0.000000
B0252.8	B0252.8	chrII	0.567161	0.001392
ZK354.2	ZK354.2	chrIV	0.566022	0.001330
T19D12.2	T19D12.2	chrII	0.565933	0.000000
M04G7.1	M04G7.1	chrIV	0.565899	0.000012
B0513.9	B0513.9	chrIV	0.565601	0.000089
Y105C5B.5	Y105C5B.5	chrIV	0.565443	0.000000
C10G8.4	C10G8.4	chrV	0.565243	0.000000
T28F12.1	T28F12.1	chrV	0.565123	0.000000
Y47D7A.6	Y47D7A.6	chrV	0.564934	0.021969
Y14H12A.1	Y14H12A.1	chrII	0.564883	0.000018
F31F4.7	ugt-42	chrV	0.564341	0.034703
F26D11.12	F26D11.12	chrV	0.563926	0.005290
T22G5.6	lbp-8	chrV	0.563795	0.000122
F14D12.4	mec-2	chrX	0.562913	0.000182
B0222.7	col-145	chrV	0.562649	0.000000
C09B8.8	C09B8.8	chrX	0.562628	0.024709
C48B4.7	C48B4.7	chrIII	0.562506	0.000000
F09G8.5	F09G8.5	chrIII	0.562337	0.000004
C34B4.3	C34B4.3	chrV	0.561993	0.027940
ZK688.11	ZK688.11	chrIII	0.561825	0.000001
Y73B6A.3	Y73B6A.3	chrIV	0.561697	0.037909
C31H1.5	C31H1.5	chrIV	0.561652	0.012134
Y48B6A.16	Y48B6A.16	chrII	0.561532	0.005316
F26F12.8	F26F12.8	chrV	0.561324	0.003525
C27D6.3	C27D6.3	chrII	0.561013	0.001754
K01G5.8	K01G5.8	chrIII	0.560932	0.000000
T03F6.6	T03F6.6	chrIII	0.560909	0.003055
C02D5.1	acdh-6	chrIII	0.560415	0.027940
K04G7.10	rnp-7	chrIII	0.560397	0.000000
T21C12.4	T21C12.4	chrIII	0.560299	0.012134
C25F9.14	C25F9.14	chrV	0.560185	0.003903
ZK1225.6	ssp-31	chrI	0.560055	0.041538
ZK328.6	ZK328.6	chrIII	0.559882	0.000093
F30F8.5	F30F8.5	chrI	0.559691	0.000000
K04H4.7	flp-25	chrIII	0.559632	0.004240
C50A2.3	C50A2.3	chrIV	0.559586	0.000000
W09C5.4	ins-33	chrI	0.558427	0.000578
Y46G5A.34	Y46G5A.34	chrII	0.558318	0.000700
F52H2.3	F52H2.3	chrX	0.558272	0.001021
W03D8.3	W03D8.3	chrI	0.557947	0.000000

F54D10.2	fbxa-24	chrII	0.557931	0.009476
F59E11.12	nhr-144	chrV	0.557465	0.000066
K09C6.9	K09C6.9	chrV	0.557364	0.000015
C16C4.4	math-14	chrII	0.557350	0.000069
Y44A6D.5	Y44A6D.5	chrV	0.557135	0.024094
F23H12.3	F23H12.3	chrV	0.557132	0.000258
Y75B8A.11	Y75B8A.11	chrIII	0.556971	0.003952
F59F5.5	F59F5.5	chrX	0.556508	0.027121
T24D8.5	nlp-2	chrX	0.556494	0.034515
Y53F4B.23	Y53F4B.23	chrII	0.556363	0.000178
F58B3.1	lys-4	chrIV	0.556266	0.000000
M04D8.7	M04D8.7	chrIII	0.556149	0.021719
Y5H2B.3	Y5H2B.3	chrV	0.556088	0.000205
ZK1320.13	ZK1320.13	chrII	0.555939	0.000040
R05H5.4	R05H5.4	chrII	0.555732	0.000001
C36B1.14	C36B1.14	chrI	0.555289	0.000000
D2096.13	D2096.13	chrIV	0.554953	0.037442
K11D12.3	srr-4	chrV	0.554929	0.000000
H40L08.3	H40L08.3	chrX	0.554022	0.000627
F07C6.2	F07C6.2	chrIV	0.553877	0.000068
C53B7.7	C53B7.7	chrX	0.553517	0.000273
Y56A3A.3	mif-1	chrIII	0.553158	0.000000
C45E5.2	C45E5.2	chrIV	0.553074	0.020996
Y42A5A.5	Y42A5A.5	chrV	0.552908	0.000019
E03D2.2	nlp-9	chrV	0.552111	0.000004
F58G6.3	F58G6.3	chrIV	0.551954	0.000001
F52E1.2	F52E1.2	chrV	0.551854	0.000318
F58E1.13	F58E1.13	chrII	0.551832	0.001871
F49E10.3	flp-7	chrX	0.551751	0.000021
F49C12.14	F49C12.14	chrIV	0.551564	0.000003
C18D1.3	flp-4	chrII	0.551384	0.000134
W04A8.9	W04A8.9	chrI	0.551118	0.022522
C05C12.5	C05C12.5	chrIV	0.550939	0.008485
F22H10.2	F22H10.2	chrX	0.550717	0.000351
T23B5.4	T23B5.4	chrIV	0.550620	0.000000
ZK1010.7	col-97	chrIII	0.549998	0.000000
F08G2.6	ins-37	chrII	0.549584	0.021768
F59E11.5	F59E11.5	chrV	0.548915	0.000001
F52E10.4	F52E10.4	chrX	0.548628	0.021520
T21D12.12	T21D12.12	chrIV	0.548381	0.000000
E01G4.7	E01G4.7	chrII	0.548087	0.000000
M02H5.4	nhr-202	chrV	0.547907	0.000000
Y105E8A.11	Y105E8A.11	chrI	0.547772	0.000000
C33F10.1	C33F10.1	chrII	0.547758	0.000134
K02E2.11	K02E2.11	chrV	0.547526	0.004958
T07C12.15	T07C12.15	chrV	0.547517	0.000681
F59D6.3	F59D6.3	chrV	0.546992	0.000193
Y66D12A.6	Y66D12A.6	chrIII	0.546558	0.000000
Y102A11A.1	Y102A11A.1	chrX	0.546331	0.033593
Y38C1AA.9	Y38C1AA.9	chrIV	0.546065	0.002196
ZK856.16	ZK856.16	chrV	0.546038	0.000000
F17E9.10	his-32	chrIV	0.545689	0.004405
F53F8.4	F53F8.4	chrV	0.545607	0.000001
R07B1.3	scav-5	chrX	0.545082	0.000013
E04D5.3	cut-4	chrII	0.544970	0.000355
F41C6.4	F41C6.4	chrX	0.544678	0.005640
W09G12.9	W09G12.9	chrIV	0.544564	0.000000
T05A1.3	T05A1.3	chrIV	0.544167	0.002257
Y46H3A.4	Y46H3A.4	chrV	0.543738	0.042818
Y62F5A.12	Y62F5A.12	chrII	0.542876	0.000000
Y77E11A.14	Y77E11A.14	chrIV	0.542867	0.010078
Y59A8B.12	Y59A8B.12	chrV	0.542838	0.000000
Y38E10A.7	lips-15	chrII	0.542368	0.000000

F49D11.8	cpn-4	chrI	0.542124	0.000000
T02B11.3	T02B11.3	chrV	0.541572	0.000000
F59A6.12	F59A6.12	chrII	0.541294	0.000126
F09G8.6	col-91	chrIII	0.540793	0.000001
F35H10.2	F35H10.2	chrIV	0.540488	0.011994
K02G10.4	flp-11	chrX	0.540428	0.000000
R173.3	R173.3	chrX	0.540214	0.034636
R10D12.13	R10D12.13	chrV	0.539592	0.000000
Y116A8C.29	Y116A8C.29	chrIV	0.539237	0.005684
C54A12.4	drn-1	chrII	0.539209	0.002195
T19C3.3	T19C3.3	chrIII	0.538998	0.002030
T12G3.6	T12G3.6	chrIV	0.538939	0.000000
F22E5.9	F22E5.9	chrII	0.538418	0.000000
T03D8.3	sbt-1	chrV	0.538356	0.000000
C37A2.8	C37A2.8	chrI	0.538271	0.000000
Y46C8AL.5	clec-72	chrIV	0.538223	0.003903
Y23H5B.4	Y23H5B.4	chrI	0.537636	0.002970
F22A3.6	ilys-5	chrX	0.537594	0.000000
Y39E4B.14	Y39E4B.14	chrIII	0.537411	0.005802
C53C11.2	C53C11.2	chrX	0.537239	0.001184
Y34B4A.5	Y34B4A.5	chrX	0.536541	0.000003
ZC412.10	ZC412.10	chrV	0.536401	0.003078
T17A3.8	ver-2	chrIII	0.536332	0.017024
T26C11.9	T26C11.9	chrX	0.536197	0.037623
F10G2.1	F10G2.1	chrV	0.536006	0.000000
D1007.4	D1007.4	chrI	0.535876	0.000000
C04G2.8	C04G2.8	chrIV	0.535742	0.000101
ZK180.5	ZK180.5	chrIV	0.535603	0.000000
Y38H6C.23	Y38H6C.23	chrV	0.535501	0.000163
F09F7.6	F09F7.6	chrIII	0.534979	0.000007
K10D2.5	K10D2.5	chrIII	0.534978	0.000000
B0304.4	B0304.4	chrII	0.534971	0.000001
Y48A6A.1	zig-5	chrIII	0.534104	0.002272
T22E5.1	T22E5.1	chrX	0.533711	0.013373
Y50D7A.5	Y50D7A.5	chrIII	0.533559	0.007112
F08G12.8	F08G12.8	chrX	0.533453	0.016415
Y65B4BR.6	grl-16	chrI	0.533217	0.000000
M02D8.2	M02D8.2	chrX	0.532891	0.000975
T22C1.4	T22C1.4	chrI	0.532829	0.000000
M01G5.6	ave-1	chrIII	0.532829	0.000000
T08B1.2	tnt-4	chrV	0.532431	0.000000
C34D4.2	C34D4.2	chrIV	0.532304	0.030831
F45D3.4	F45D3.4	chrV	0.532248	0.000006
Y57G11C.5	Y57G11C.5	chrIV	0.531908	0.010368
F23B2.13	rpb-12	chrIV	0.531577	0.000000
Y53F4B.45	Y53F4B.45	chrII	0.531504	0.000214
ZK673.7	tnc-2	chrII	0.530675	0.000000
Y54F10BM.3	Y54F10BM.3	chrIII	0.530544	0.004880
Y48D7A.2	flp-18	chrX	0.530468	0.000001
Y54E5A.2	Y54E5A.2	chrI	0.530422	0.000376
C09G5.7	C09G5.7	chrII	0.530257	0.007385
F36A2.12	F36A2.12	chrI	0.530207	0.036641
Y39A1A.24	Y39A1A.24	chrIII	0.530179	0.000000
K08F4.5	K08F4.5	chrIV	0.530090	0.011849
C54D10.10	C54D10.10	chrV	0.530030	0.007036
F22D6.15	F22D6.15	chrI	0.529999	0.010069
C49A9.10	C49A9.10	chrIV	0.529792	0.000000
C06E4.3	C06E4.3	chrIV	0.529490	0.028227
ZK484.8	nspd-1	chrI	0.529473	0.000006
K07C11.8	K07C11.8	chrV	0.529016	0.000016
Y54G2A.47	Y54G2A.47	chrIV	0.528904	0.044997
F45C12.4	btb-9	chrII	0.528803	0.000036
F15A4.10	F15A4.10	chrII	0.528161	0.000000

F30B5.7	F30B5.7	chrIV	0.527764	0.000049
R07E4.3	R07E4.3	chrX	0.527432	0.000000
F45H7.6	F45H7.6	chrIII	0.526844	0.003154
F48C11.3	nlp-3	chrX	0.526674	0.000010
C28C12.1	C28C12.1	chrIV	0.526419	0.012626
T12B3.3	T12B3.3	chrIV	0.526391	0.000000
C04A11.1	C04A11.1	chrX	0.526226	0.015213
T19H12.3	T19H12.3	chrV	0.525956	0.000007
T19B10.11	mxl-1	chrV	0.525938	0.000000
ZK84.6	ins-6	chrII	0.525725	0.000453
R03A10.1	R03A10.1	chrX	0.525680	0.000009
F47D12.3	F47D12.3	chrIII	0.525565	0.026797
R13D11.3	R13D11.3	chrV	0.525137	0.002492
F52A8.4	glb-18	chrI	0.524463	0.000776
C24F3.2	C24F3.2	chrIV	0.524401	0.000000
T25G3.1	T25G3.1	chrI	0.524307	0.000000
R05D7.7	R05D7.7	chrI	0.524232	0.000562
F25H5.10	F25H5.10	chrI	0.524209	0.004016
T23E7.4	nlp-6	chrX	0.524115	0.000002
C17E4.4	C17E4.4	chrI	0.524030	0.000003
Y48G1A.2	Y48G1A.2	chrI	0.523818	0.000000
C46H11.9	phat-2	chrI	0.523697	0.007904
Y47D3A.13	Y47D3A.13	chrIII	0.523635	0.042572
F16C3.2	F16C3.2	chrI	0.523537	0.000019
F27C1.4	F27C1.4	chrI	0.523532	0.000015
F40F8.7	pqm-1	chrII	0.523204	0.000000
Y106G6G.4	Y106G6G.4	chrI	0.522992	0.000214
T06F4.1	T06F4.1	chrX	0.522936	0.000079
T04D3.8	T04D3.8	chrI	0.522591	0.000001
T16H12.2	T16H12.2	chrIII	0.522357	0.000161
F10E9.5	F10E9.5	chrIII	0.522194	0.000000
C42C1.12	C42C1.12	chrIV	0.522179	0.000000
T07D4.5	T07D4.5	chrII	0.522034	0.000000
F45H10.4	drr-1	chrII	0.521974	0.000008
F15D4.3	rmo-1	chrII	0.521951	0.000000
ZC328.2	ZC328.2	chrI	0.521932	0.000063
F40F8.4	F40F8.4	chrII	0.521912	0.000000
F57B10.11	bag-1	chrI	0.521887	0.000000
R03D7.7	nos-1	chrII	0.521808	0.000000
Y67A10A.10	Y67A10A.10	chrIV	0.521661	0.000723
F11G11.10	col-17	chrII	0.521626	0.000004
T19D2.3	T19D2.3	chrX	0.521076	0.035023
F57C2.4	F57C2.4	chrII	0.520956	0.000000
F59E12.12	bli-2	chrII	0.520916	0.000083
C30F12.3	C30F12.3	chrI	0.520839	0.025407
Y51H7C.3	Y51H7C.3	chrII	0.520832	0.000000
CC4.2	nlp-15	chrI	0.520084	0.000021
Y39B6A.40	Y39B6A.40	chrV	0.520030	0.000001
C18H9.6	C18H9.6	chrII	0.519677	0.000000
F18E9.2	□□p-7	chrX	0.519554	0.000182
F08A7.1	F08A7.1	chrIV	0.519537	0.000587
K05F1.2	msp-142	chrII	0.519411	0.009170
R52.3	math-35	chrII	0.519336	0.000021
F36D3.4	F36D3.4	chrV	0.519267	0.007690
T09F5.12	T09F5.12	chrV	0.519131	0.000005
C15F1.1	C15F1.1	chrII	0.519111	0.000000
ZK813.3	ZK813.3	chrX	0.518917	0.000000
Y37E11B.3	Y37E11B.3	chrIV	0.518794	0.000000
MTCE.31	MTCE.31	chrM	0.518765	0.000000
F44G4.3	F44G4.3	chrII	0.518469	0.000000
F48F5.6	F48F5.6	chrV	0.518184	0.025042
K12G11.3	sodh-1	chrV	0.518052	0.000000
Y66A7A.7	Y66A7A.7	chrIII	0.517970	0.008005

K09E4.4	K09E4.4	chrII	0.517767	0.004338
F38A1.14	clcc-169	chrIV	0.517558	0.000103
Y23H5A.8	Y23H5A.8	chrI	0.517551	0.038704
T23G11.11	T23G11.11	chrI	0.517359	0.000008
T07A9.13	tag-261	chrIV	0.516623	0.000000
F42H10.2	F42H10.2	chrIII	0.516595	0.000000
C03G5.7	flp-5	chrX	0.516171	0.000019
F09E5.16	F09E5.16	chrII	0.515664	0.000091
C27F2.9	C27F2.9	chrIII	0.515491	0.000113
C03A7.14	abu-8	chrV	0.515462	0.008059
C09G1.5	C09G1.5	chrX	0.515409	0.001835
F10E9.11	F10E9.11	chrIII	0.514394	0.000000
ZK930.2	ZK930.2	chrII	0.514228	0.000002
C02F12.3	C02F12.3	chrX	0.514103	0.000007
ZK1307.4	ZK1307.4	chrII	0.513999	0.048767
F28D1.6	F28D1.6	chrIV	0.513971	0.005024
F54D10.4	F54D10.4	chrII	0.513811	0.000582
F54C4.4	F54C4.4	chrIII	0.512950	0.000008
K09F6.4	K09F6.4	chrII	0.512865	0.000068
Y53H1A.5	nfya-2	chrI	0.512462	0.000000
T09A5.7	T09A5.7	chrII	0.512128	0.000000
C35D10.8	C35D10.8	chrIII	0.511642	0.000293
Y37D8A.19	Y37D8A.19	chrIII	0.511548	0.000000
R07B1.9	R07B1.9	chrX	0.511147	0.001295
R01H10.5	R01H10.5	chrIII	0.510556	0.008046
C16C8.5	C16C8.5	chrII	0.510498	0.000001
Y18D10A.16	Y18D10A.16	chrI	0.510483	0.000000
F54C9.3	F54C9.3	chrII	0.510382	0.000000
Y57E12AR.1	Y57E12AR.1	chrV	0.510147	0.002630
C48B4.9	C48B4.9	chrIII	0.510101	0.000000
ZK686.1	ZK686.1	chrIII	0.509510	0.000000
F20A1.10	F20A1.10	chrV	0.509451	0.000000
C04H5.2	clcc-147	chrII	0.509434	0.000031
Y47H9C.2	dhhc-2	chrI	0.509231	0.000095
F57H12.6	F57H12.6	chrIV	0.508693	0.001329
C33G8.4	C33G8.4	chrV	0.508020	0.000013
T20B3.16	clcc-36	chrV	0.507936	0.022766
Y71F9AR.4	Y71F9AR.4	chrI	0.507848	0.000002
F29B9.11	F29B9.11	chrIV	0.507813	0.000000
F31E9.6	F31E9.6	chrV	0.507796	0.000443
Y45F10D.2	Y45F10D.2	chrIV	0.507764	0.018932
F59D6.7	F59D6.7	chrV	0.507598	0.003414
F08B12.4	F08B12.4	chrX	0.507411	0.000000
C43F9.6	nkb-2	chrIV	0.507176	0.037082
T19H5.1	T19H5.1	chrII	0.507127	0.031403
M7.8	M7.8	chrIV	0.507080	0.007262
F19F10.4	ttr-10	chrV	0.506840	0.001822
F43C9.2	F43C9.2	chrX	0.506581	0.000001
F33G12.7	F33G12.7	chrII	0.506459	0.000002
B0238.1	B0238.1	chrV	0.506355	0.000181
T21G5.6	T21G5.6	chrI	0.506318	0.000085
C03H5.6	C03H5.6	chrII	0.506245	0.035625
F29B9.9	col-111	chrIV	0.506157	0.000479
ZK813.2	ZK813.2	chrX	0.506133	0.000000
C14C10.1	C14C10.1	chrV	0.505889	0.000907
ZK484.5	ZK484.5	chrI	0.505762	0.000001
K08C9.8	K08C9.8	chrI	0.505733	0.008205
K08E3.1	tyr-2	chrIII	0.505652	0.000000
R09B3.6	R09B3.6	chrI	0.505346	0.000042
T19B4.4	dnj-21	chrI	0.504971	0.000000
F26A3.5	F26A3.5	chrI	0.504906	0.044347
ZK287.3	ZK287.3	chrV	0.504648	0.000041
W02D9.7	W02D9.7	chrI	0.504525	0.000000

Y40B1B.7	Y40B1B.7	chrI	0.504166	0.000000
F45E6.4	lips-1	chrX	0.503935	0.023048
T05E12.7	T05E12.7	chrV	0.503778	0.000002
ZC204.8	fbxb-21	chrII	0.503627	0.030935
R12A1.3	R12A1.3	chrV	0.503592	0.011301
C52D10.7	skr-9	chrIV	0.503485	0.000019
T05A10.3	ttr-14	chrX	0.503351	0.000000
E01H11.3	flp-20	chrX	0.502990	0.003693
F15B9.2	far-4	chrV	0.502983	0.005899
T21G5.4	T21G5.4	chrI	0.502925	0.000368
F14H12.6	F14H12.6	chrX	0.502918	0.008873
W07G9.2	glct-6	chrIV	0.502841	0.000016
Y37D8A.25	Y37D8A.25	chrIII	0.502770	0.000007
Y42G9A.2	Y42G9A.2	chrIII	0.502651	0.000834
C06G3.8	C06G3.8	chrIV	0.502606	0.000000
Y54G9A.9	Y54G9A.9	chrII	0.502337	0.000060
F35C11.6	F35C11.6	chrII	0.502315	0.007403
Y75D11A.3	Y75D11A.3	chrX	0.502216	0.000023
F13C5.5	F13C5.5	chrX	0.501949	0.000003
F32B5.4	F32B5.4	chrI	0.501924	0.012494
Y71G12B.4	pghm-1	chrI	0.501797	0.000000
F38A3.2	ram-2	chrII	0.501745	0.000000
F10E7.2	F10E7.2	chrII	0.501525	0.000000
F02E11.2	F02E11.2	chrII	0.501341	0.031013
T21C9.9	T21C9.9	chrV	0.501277	0.000953
Y70G10A.1	Y70G10A.1	chrIII	0.501263	0.004550
F59C6.12	F59C6.12	chrI	0.501257	0.000221
F13A7.9	F13A7.9	chrV	0.501238	0.000009
D1086.18	D1086.18	chrV	0.500981	0.036445
F17C11.4	F17C11.4	chrV	0.500786	0.000001
F17C11.2	F17C11.2	chrV	0.500709	0.000011
Y11D7A.10	Y11D7A.10	chrIV	0.500700	0.000000
T06E4.6	col-146	chrV	0.500403	0.000143
Y48G1C.9	Y48G1C.9	chrI	0.500255	0.000000
C06A5.12	C06A5.12	chrI	0.500016	0.000324
ZC412.4	ZC412.4	chrV	0.499999	0.000584
C14B9.1	hsp-12.2	chrIII	0.499832	0.000000
Y59A8B.20	lon-8	chrV	0.499192	0.000002
Y92C3B.1	kbp-4	chrIII	0.498974	0.000000
K03B4.3	taf-10	chrV	0.498910	0.000000
F37B1.5	gst-16	chrII	0.498684	0.001165
ZK1248.6	msh-64	chrII	0.498678	0.029257
C40H5.4	lact-7	chrX	0.498649	0.026797
T11F9.5	nas-21	chrV	0.498623	0.010144
F53A3.7	F53A3.7	II	0.498515	0.000005
C46C2.7	C46C2.7	chrIV	0.498429	0.000439
C36B1.6	C36B1.6	chrI	0.498046	0.010571
R05A10.2	R05A10.2	chrIV	0.498003	0.000550
R09H10.3	R09H10.3	chrIV	0.497881	0.000000
F17C11.3	col-153	chrV	0.497801	0.000055
C02G6.1	C02G6.1	chrV	0.497660	0.000312
F17E9.5	F17E9.5	chrIV	0.497576	0.000004
Y54G2A.14	clec-83	chrIV	0.497490	0.000000
C16D9.4	C16D9.4	chrV	0.497414	0.005462
F40F8.9	lsm-1	chrII	0.497226	0.000000
Y71D11A.2	smr-1	chrIII	0.496905	0.000000
C06E1.11	C06E1.11	chrIII	0.496816	0.008442
F22H10.6	F22H10.6	chrX	0.496806	0.000002
F15D4.4	F15D4.4	chrII	0.496729	0.003361
C08A9.8	C08A9.8	chrX	0.496683	0.007449
Y52B11A.2	Y52B11A.2	chrI	0.496623	0.000000
T21C9.8	ttr-23	chrV	0.496587	0.029579
F54D7.4	zig-7	chrI	0.496519	0.000001

B0412.1	dac-1	chrIII	0.496478	0.016530
ZC449.4	ZC449.4	chrX	0.496428	0.001778
C02F5.5	C02F5.5	chrIII	0.496261	0.010952
R09E12.9	R09E12.9	chrV	0.496242	0.001417
C38C3.4	C38C3.4	chrV	0.496184	0.001872
F28D1.11	dpm-3	chrIV	0.495969	0.000000
DY3.8	DY3.8	chrI	0.495834	0.000000
F10D2.5	ugt-40	chrV	0.495355	0.003514
R11D1.3	R11D1.3	chrV	0.495213	0.007088
T22F7.4	T22F7.4	chrIII	0.495055	0.000992
Y51A2D.14	Y51A2D.14	chrV	0.495012	0.000000
ZK721.3	ZK721.3	chrX	0.494877	0.018266
F46F6.4	dyf-6	chrX	0.494564	0.029437
T23E1.2	T23E1.2	chrIV	0.494412	0.001242
T08G5.10	mtl-2	chrV	0.493983	0.000000
Y40B1A.1	Y40B1A.1	chrI	0.493574	0.000001
ZC334.11	ins-27	chrI	0.493501	0.009663
Y41C4A.13	Y41C4A.13	chrIII	0.493062	0.000002
F23H11.7	F23H11.7	chrIII	0.492934	0.014039
CD4.1	CD4.1	chrV	0.492244	0.006859
Y39G10AR.15	Y39G10AR.15	chrI	0.492224	0.000000
ZC416.2	ZC416.2	chrIV	0.492079	0.005919
Y67D8A.3	Y67D8A.3	chrIV	0.492077	0.000000
K09E4.5	gur-4	chrII	0.492069	0.021668
K12G11.2	sulp-5	chrV	0.491993	0.019082
C50C3.5	C50C3.5	chrIII	0.491973	0.006180
T23G5.5	dat-1	chrIII	0.491940	0.035977
Y53F4B.14	Y53F4B.14	chrII	0.491928	0.000000
C15C8.7	C15C8.7	chrV	0.491351	0.000000
T05D4.5	T05D4.5	chrIII	0.491215	0.042668
R13D7.2	R13D7.2	chrV	0.490395	0.000017
K09F6.11	K09F6.11	chrII	0.490112	0.019276
T02G5.1	T02G5.1	chrII	0.490012	0.010870
M02H5.5	nhr-203	chrV	0.489650	0.000025
ZC247.1	ZC247.1	chrI	0.489416	0.000000
H06A10.1	H06A10.1	chrX	0.489361	0.000011
F55H12.5	F55H12.5	chrI	0.489182	0.020766
F08D12.2	F08D12.2	chrII	0.489057	0.000011
Y69A2AR.3	Y69A2AR.3	chrIV	0.488741	0.000000
F58E10.4	aip-1	chrV	0.488665	0.000000
E02H9.4	E02H9.4	chrIII	0.488600	0.020329
T20D3.8	T20D3.8	chrIV	0.488442	0.000000
K12B6.9	K12B6.9	chrV	0.488425	0.000160
Y66A7A.2	Y66A7A.2	chrIII	0.488383	0.000001
ZC443.1	ZC443.1	chrV	0.488335	0.000073
D1007.14	pqn-24	chrI	0.488296	0.000000
Y75B8A.18	Y75B8A.18	chrIII	0.488217	0.000000
B0564.3	B0564.3	chrIV	0.487838	0.011076
C52B11.3	dop-4	chrX	0.487806	0.000170
Y53F4B.8	Y53F4B.8	chrII	0.487401	0.010190
F13E6.3	F13E6.3	chrX	0.487359	0.000214
C13C12.1	cal-1	chrV	0.487196	0.000208
T05A8.3	T05A8.3	chrII	0.487045	0.000001
D2023.1	D2023.1	chrV	0.486979	0.000038
Y53F4B.12	Y53F4B.12	chrII	0.486958	0.009539
ZC15.8	pqn-94	chrV	0.486951	0.000002
C36A4.14	C36A4.14	chrIII	0.486883	0.000053
C54F6.14	ftn-1	chrV	0.486768	0.008312
ZK970.3	mdt-22	chrII	0.486402	0.000000
Y34F4.1	Y34F4.1	chrIII	0.486393	0.000496
ZC204.11	btb-13	chrII	0.486018	0.029579
B0412.4	rps-29	chrIII	0.486002	0.000000
F14H3.5	F14H3.5	chrV	0.485967	0.000000

M01B2.6	M01B2.6	chrV	0.485622	0.010331
F46C3.4	F46C3.4	chrX	0.485593	0.000225
T09A5.6	mdt-10	chrII	0.485582	0.000000
C04F12.5	C04F12.5	chrI	0.485410	0.000004
C45H4.14	C45H4.14	chrV	0.485275	0.000002
T09A12.5	T09A12.5	chrIV	0.485129	0.000000
D2045.8	D2045.8	chrIII	0.484731	0.000323
T05A7.7	T05A7.7	chrII	0.484539	0.018932
Y119C1B.6	Y119C1B.6	chrI	0.484334	0.033472
Y82E9BR.22	Y82E9BR.22	chrIII	0.484203	0.000001
F56C11.3	F56C11.3	chrI	0.484081	0.000011
Y47G6A.24	mis-12	chrI	0.483790	0.000000
T07A9.14	T07A9.14	chrIV	0.483592	0.000000
F38E11.7	wrt-3	chrIV	0.483511	0.001663
C03G6.5	C03G6.5	chrV	0.483413	0.041962
H23N18.3	ugt-8	chrV	0.482692	0.000090
T01B10.2	grd-14	chrX	0.482248	0.000002
F15A4.5	F15A4.5	chrII	0.482171	0.006137
F52F12.5	F52F12.5	chrI	0.481955	0.029088
C30B5.4	C30B5.4	chrII	0.481910	0.000000
ZK546.4	ZK546.4	chrII	0.481903	0.045798
M02F4.8	aqp-7	chrX	0.481725	0.000000
T26E3.2	ndx-1	chrI	0.481445	0.000190
Y32G9B.1	Y32G9B.1	chrV	0.481041	0.008005
F58H10.1	F58H10.1	chrI	0.480808	0.019063
ZC513.12	sth-1	chrV	0.480587	0.000733
K02E10.7	K02E10.7	chrX	0.480510	0.019817
B0336.8	lgg-3	chrIII	0.480496	0.000000
C08E8.10	C08E8.10	chrV	0.480489	0.025801
C02E7.6	C02E7.6	chrV	0.480486	0.000011
Y54G11A.9	Y54G11A.9	chrII	0.480299	0.000001
F01D5.2	F01D5.2	chrII	0.480214	0.034494
F43G6.7	F43G6.7	chrII	0.480208	0.000003
F25E5.4	F25E5.4	chrV	0.480199	0.000162
Y73B6BL.34	col-112	chrIV	0.479872	0.000000
F47B7.7	F47B7.7	chrX	0.479833	0.000002
F21C10.3	F21C10.3	chrV	0.479433	0.006386
F29C4.2	F29C4.2	chrIV	0.478879	0.000000
Y38E10A.24	Y38E10A.24	chrII	0.478778	0.000000
T27E9.2	T27E9.2	chrIII	0.478446	0.000000
ZK909.6	ZK909.6	chrI	0.478381	0.000100
C36H8.3	flp-9	chrIV	0.477989	0.000002
ZK686.4	ZK686.4	chrIII	0.477843	0.000000
C14A11.9	C14A11.9	chrX	0.477841	0.000001
Y38F1A.1	Y38F1A.1	chrII	0.477738	0.010796
K09F6.6	K09F6.6	chrII	0.477315	0.000006
F20A1.1	F20A1.1	chrV	0.477042	0.000000
K05F6.7	fbxb-54	chrII	0.476872	0.001650
ZC373.2	ZC373.2	chrX	0.476805	0.000000
F58D5.7	F58D5.7	chrI	0.476771	0.022787
F26B1.8	F26B1.8	chrI	0.476514	0.000551
T10F2.5	T10F2.5	chrIII	0.476512	0.000001
W01A8.6	W01A8.6	chrI	0.476453	0.000505
K07F5.9	ssp-10	chrIV	0.476384	0.004988
Y41G9A.10	Y41G9A.10	chrX	0.476360	0.000730
E03D2.1	nlp-13	chrV	0.476271	0.000005
Y43B11AR.1	Y43B11AR.1	chrIV	0.476157	0.000003
C04G6.2	C04G6.2	chrII	0.476105	0.034760
C33A12.4	C33A12.4	chrIV	0.476019	0.002090
Y50D4A.5	Y50D4A.5	chrV	0.475632	0.000238
B0285.3	B0285.3	chrIII	0.475579	0.000000
C35B1.4	C35B1.4	chrIV	0.475474	0.000000
Y59H11AR.6	Y59H11AR.6	chrIV	0.474876	0.000139

Y47H9C.10	fbxa-216	chrI	0.474524	0.000023
Y95B8A.2	Y95B8A.2	chrI	0.474434	0.003370
Y38E10A.13	nspe-1	chrII	0.474363	0.007075
D1053.3	D1053.3	chrX	0.474312	0.001372
F59A1.9	F59A1.9	chrV	0.474197	0.000007
C24D10.6	C24D10.6	chrIV	0.473621	0.000000
B0213.2	nlp-27	chrV	0.473232	0.000000
B0546.4	B0546.4	chrIV	0.472902	0.000002
T24H7.4	T24H7.4	chrII	0.472694	0.000002
F13H10.8	F13H10.8	chrIV	0.472651	0.000000
Y54E10A.5	dnc-6	chrI	0.472501	0.000000
C52A10.1	C52A10.1	chrV	0.472469	0.000000
K07A1.4	K07A1.4	chrI	0.472431	0.045578
B0547.3	B0547.3	chrIV	0.472385	0.002783
T04F3.4	T04F3.4	chrV	0.472313	0.000116
F27D4.7	F27D4.7	chrI	0.471941	0.000000
F10D2.6	ugt-37	chrV	0.471710	0.000449
ZC455.1	ZC455.1	chrV	0.471508	0.000582
C56A3.4	C56A3.4	chrV	0.471202	0.000000
F09E10.1	F09E10.1	chrX	0.471157	0.000165
W10D9.3	W10D9.3	chrII	0.471125	0.000051
C24H11.6	immp-1	chrIII	0.470986	0.000020
Y113G7B.11	Y113G7B.11	chrV	0.470382	0.032225
F20D1.10	tag-299	chrX	0.469843	0.000045
F26H9.4	F26H9.4	chrI	0.469516	0.000003
R148.6	heh-1	chrIII	0.468985	0.000000
T04C12.4	act-3	chrV	0.468903	0.000000
F21F3.1	pgal-1	chrI	0.468822	0.000000
R02C2.7	R02C2.7	chrV	0.468630	0.000040
T08B6.5	T08B6.5	chrIV	0.468460	0.000843
Y38C1AA.13	gfrp-1	chrIV	0.468276	0.002030
F34D6.3	sup-9	chrII	0.468231	0.036590
T03E6.8	T03E6.8	chrV	0.468202	0.000313
C04H5.7	C04H5.7	chrII	0.468179	0.000001
F32E10.9	F32E10.9	chrIV	0.468130	0.000031
Y73B6BL.23	Y73B6BL.23	chrIV	0.467943	0.000000
T27B2.1	T27B2.1	chrV	0.467876	0.046050
Y77E11A.4	jtr-1	chrIV	0.467868	0.000001
ZK899.6	ZK899.6	chrX	0.467600	0.000988
K01H12.1	dph-3	chrIV	0.467558	0.000003
M04B2.6	M04B2.6	chrIV	0.467502	0.029193
C14B1.12	C14B1.12	chrIII	0.467475	0.000000
F29A7.1	fbxb-106	chrII	0.467380	0.005377
C30G4.7	C30G4.7	chrX	0.467248	0.000280
T21D12.2	dpy-9	chrIV	0.467182	0.003734
F31F6.4	flp-8	chrX	0.467082	0.000203
W02D3.12	W02D3.12	chrI	0.466709	0.000009
Y48A6B.7	Y48A6B.7	chrIII	0.466663	0.000011
B0205.12	B0205.12	chrI	0.466413	0.000070
Y47D3B.2	nlp-21	chrIII	0.466340	0.000021
F32A5.5	aqp-1	chrII	0.466285	0.000001
T27F2.3	bir-1	chrV	0.466276	0.000000
C03E10.6	clcc-222	chrV	0.466168	0.000005
R03D7.6	gst-5	chrII	0.466064	0.000001
B0416.7	B0416.7	chrX	0.465943	0.000528
F55C5.1	F55C5.1	chrV	0.465916	0.005843
R13F6.1	kbp-1	chrIII	0.465814	0.000000
F13G3.10	F13G3.10	chrI	0.465595	0.000000
D2007.1	D2007.1	chrIII	0.465553	0.000431
C34F11.6	msh-49	chrII	0.465522	0.045458
D2005.3	D2005.3	chrI	0.465469	0.000000
ZC239.21	ZC239.21	chrII	0.465427	0.012838
W04C9.2	W04C9.2	chrI	0.465002	0.000000

Y51H4A.8	Y51H4A.8	chrIV	0.464887	0.001913
T02C1.1	T02C1.1	chrIII	0.464877	0.003393
Y51F10.2	Y51F10.2	chrI	0.464754	0.000000
T19A6.3	T19A6.3	chrI	0.464505	0.000001
C02D4.2	ser-2	chrX	0.464461	0.043566
C16C4.18	C16C4.18	chrII	0.464062	0.038206
T20F10.5	T20F10.5	chrI	0.463901	0.017182
C15H9.11	C15H9.11	chrX	0.463447	0.000766
ZK75.1	ins-4	chrII	0.463088	0.038206
Y82E9BR.21	Y82E9BR.21	chrIII	0.462865	0.026043
Y39F10A.1	Y39F10A.1	chrII	0.462686	0.035624
W04E12.8	clec-50	chrV	0.462093	0.000000
R10A10.2	rbx-2	chrI	0.461798	0.000001
D1014.4	D1014.4	chrV	0.461400	0.000000
F22B5.1	evl-20	chrII	0.461363	0.000002
W04A4.6	W04A4.6	chrI	0.461325	0.001659
K08F4.6	gst-2	chrIV	0.461232	0.031663
C52E4.1	cpr-1	chrV	0.461142	0.000000
C03G5.11	nspc-4	chrX	0.460954	0.000070
ZK616.2	ZK616.2	chrIV	0.460889	0.002190
F52E1.7	hsp-17	chrV	0.460643	0.000002
F28F8.9	F28F8.9	chrV	0.460371	0.000001
F52F12.1	oct-1	chrI	0.460259	0.000909
AC3.8	ugt-2	chrV	0.460200	0.000398
W03G9.8	W03G9.8	chrI	0.459832	0.000001
F57F4.4	F57F4.4	chrV	0.459766	0.000000
R10E11.5	R10E11.5	chrIII	0.459753	0.007030
ZK632.9	ZK632.9	chrIII	0.459480	0.000000
C53B7.3	C53B7.3	chrX	0.458589	0.000000
R11.4	R11.4	chrX	0.458505	0.000148
F54A3.5	F54A3.5	chrII	0.458469	0.000000
C34B2.2	kbp-5	chrI	0.458399	0.000000
Y63D3A.7	Y63D3A.7	chrI	0.458102	0.000001
Y55B1AL.2	Y55B1AL.2	chrIII	0.458036	0.000001
ZK813.1	ZK813.1	chrX	0.458031	0.000000
C35A11.1	C35A11.1	chrV	0.456857	0.040766
F15A4.12	tag-280	chrII	0.456664	0.000021
F40E10.2	sox-3	chrX	0.456606	0.035150
F59C6.14	F59C6.14	chrI	0.456158	0.001754
B0432.13	B0432.13	chrII	0.455974	0.000002
T09F5.9	clec-47	chrV	0.455911	0.000010
F47B8.2	F47B8.2	chrV	0.455639	0.000111
C49C3.5	C49C3.5	chrIV	0.455240	0.000240
Y47D3A.31	Y47D3A.31	chrIII	0.455039	0.021797
F09C3.2	F09C3.2	chrI	0.454917	0.000999
K07F5.5	nspd-2	chrIV	0.454845	0.000116
F35H10.5	F35H10.5	chrIV	0.454557	0.000066
C02F5.14	C02F5.14	chrIII	0.454342	0.000674
C26F1.9	rpl-39	chrV	0.454323	0.000000
T28D9.4	T28D9.4	chrII	0.453943	0.000000
T11F9.6	nas-22	chrV	0.453877	0.008694
C25D7.10	C25D7.10	chrV	0.453845	0.000003
T03F1.12	T03F1.12	chrI	0.453323	0.000003
F28F8.2	acs-2	chrV	0.452994	0.000000
Y19D10B.6	Y19D10B.6	chrV	0.452932	0.013927
K03B8.8	K03B8.8	chrV	0.452898	0.000265
C38D4.7	C38D4.7	chrIII	0.452729	0.030410
F13D12.8	F13D12.8	chrII	0.452606	0.001903
T05E11.8	T05E11.8	chrIV	0.452335	0.004917
C52D10.11	flp-17	chrIV	0.452047	0.000099
Y60A3A.21	Y60A3A.21	chrV	0.451658	0.000027
Y46H3C.6	Y46H3C.6	chrV	0.451637	0.038167
F54C4.2	spt-4	chrIII	0.451596	0.000000

K02D7.5	K02D7.5	chrIV	0.451594	0.001330
F07H5.4	F07H5.4	chrII	0.451477	0.000005
Y37E11B.6	Y37E11B.6	chrIV	0.451223	0.000006
F40F11.3	F40F11.3	chrIV	0.451173	0.000001
F31E3.2	F31E3.2	chrIII	0.451066	0.002666
T07A5.6	unc-69	chrIII	0.450914	0.000001
Y94H6A.12	Y94H6A.12	chrIV	0.450838	0.000234
F41D9.2	F41D9.2	chrX	0.450811	0.000033
ZC373.7	col-176	chrX	0.450713	0.002492
R105.1	R105.1	chrIV	0.450659	0.012019
Y49E10.22	pstk-1	chrIII	0.450650	0.000448
Y52E8A.2	Y52E8A.2	chrII	0.450384	0.000002
C31H5.4	C31H5.4	chrI	0.450224	0.000004
R10E4.5	nth-1	chrIII	0.449886	0.000004
F42G4.5	F42G4.5	chrII	0.449759	0.000068
F26B1.4	col-58	chrI	0.449692	0.016931
C05D11.13	C05D11.13	chrIII	0.449495	0.000063
ZK262.2	ZK262.2	chrV	0.449377	0.014102
ZK380.t2	ZK380.t2	chrX	0.449344	0.000037
F21F3.7	F21F3.7	chrI	0.449103	0.000003
K08B4.3	ugt-19	chrIV	0.448942	0.000939
F41B5.10	nhr-183	chrV	0.448709	0.009592
F44E5.1	F44E5.1	chrII	0.448553	0.000000
T05F1.11	T05F1.11	chrI	0.448552	0.037294
K03H6.6	K03H6.6	chrIV	0.448432	0.000417
T14B4.4	tsp-10	chrII	0.448240	0.000441
F40F4.5	tba-9	chrX	0.448122	0.000071
Y18H1A.2	Y18H1A.2	chrI	0.448071	0.000001
C53C9.3	kvs-1	chrX	0.448049	0.033494
C33H5.19	tag-321	chrIV	0.448044	0.000000
K04G2.11	K04G2.11	chrI	0.447877	0.000035
C13F10.1	C13F10.1	chrV	0.447715	0.036698
F47G3.4	F47G3.4	chrX	0.447670	0.000252
F54B8.4	F54B8.4	chrV	0.447624	0.009800
ZK593.2	ZK593.2	chrIV	0.447618	0.015666
F59E11.8	nhr-194	chrV	0.447613	0.042413
C18A3.6	rab-3	chrII	0.447591	0.000191
C18A3.10	C18A3.10	chrII	0.447540	0.045326
T01C3.2	T01C3.2	chrV	0.447209	0.000001
C46G7.5	C46G7.5	chrIV	0.447208	0.006940
ZK970.4	vha-9	chrII	0.447202	0.000000
W06D4.2	W06D4.2	chrI	0.446886	0.018172
K12H4.5	K12H4.5	chrIII	0.446668	0.000000
Y47D3A.20	Y47D3A.20	chrIII	0.446495	0.000053
F40A3.6	F40A3.6	chrV	0.446486	0.000011
T12A2.7	T12A2.7	chrIII	0.446481	0.000001
F10E9.2	F10E9.2	chrIII	0.446404	0.046667
Y46H3C.5	Y46H3C.5	chrV	0.446132	0.000026
T20H4.1	osm-10	chrIII	0.445977	0.028227
Y41D4B.12	set-23	chrIV	0.445969	0.000003
F59E12.10	ddl-1	chrII	0.445918	0.000003
Y57G11C.40	Y57G11C.40	chrIV	0.445912	0.048907
K02F3.9	K02F3.9	chrIII	0.445910	0.000003
C40H1.5	ttr-5	chrIII	0.445628	0.000071
F14H3.4	F14H3.4	chrV	0.445054	0.000001
T15B7.5	col-141	chrV	0.445049	0.007734
Y49E10.15	snr-6	chrIII	0.444834	0.000000
K02F3.3	far-8	chrIII	0.444103	0.000001
R05D11.7	R05D11.7	chrI	0.443903	0.000000
D2085.7	D2085.7	chrII	0.443448	0.031560
Y57G11C.51	Y57G11C.51	chrIV	0.443418	0.000006
JC8.4	JC8.4	chrIV	0.443090	0.000014
F39H2.1	flp-22	chrI	0.442886	0.000018

F22B7.9	F22B7.9	chrIII	0.442802	0.000145
Y54G11A.4	Y54G11A.4	chrII	0.442734	0.010124
B0432.14	B0432.14	chrII	0.442303	0.039658
Y116A8C.22	Y116A8C.22	chrIV	0.442205	0.000266
T08E11.2	math-39	chrII	0.442105	0.013024
F54D1.4	nhr-7	chrIV	0.442002	0.001350
C27A2.4	pho-12	chrII	0.441899	0.010279
Y53C10A.5	Y53C10A.5	chrI	0.441730	0.000002
F42G8.7	F42G8.7	chrIV	0.441692	0.002110
E01G4.6	E01G4.6	chrII	0.441442	0.000005
C05C10.5	C05C10.5	chrII	0.441280	0.000000
Y62E10A.1	rla-2	chrIV	0.441210	0.000000
F15D3.4	F15D3.4	chrI	0.441210	0.039288
C54E4.4	C54E4.4	chrIV	0.441167	0.027488
K10D2.4	apc-16	chrIII	0.441116	0.000002
B0222.8	col-10	chrV	0.441017	0.000145
Y73E7A.6	Y73E7A.6	chrI	0.440888	0.000002
F40D4.17	F40D4.17	chrV	0.440814	0.000838
T11B7.3	col-118	chrIV	0.440719	0.000003
C29F4.1	col-125	chrIV	0.440712	0.000006
C32D5.1	C32D5.1	chrII	0.440520	0.027582
Y39B6A.3	Y39B6A.3	chrV	0.440515	0.000003
Y69A2AR.22	Y69A2AR.22	chrIV	0.440265	0.000063
C01G5.2	prg-2	chrIV	0.440200	0.000000
C01F6.9	C01F6.9	chrIV	0.440097	0.000001
C36C5.5	C36C5.5	chrV	0.440030	0.000282
K11B4.2	K11B4.2	chrI	0.439913	0.000002
F14H3.12	F14H3.12	chrV	0.439497	0.008046
C35D10.17	C35D10.17	chrIII	0.439188	0.000019
Y106G6H.4	Y106G6H.4	chrI	0.439167	0.019030
T20G5.9	T20G5.9	chrIII	0.439119	0.000002
F32D1.2	F32D1.2	chrV	0.439097	0.000000
F59G1.7	frh-1	chrII	0.438747	0.000010
F32D1.6	F32D1.6	chrV	0.438745	0.000000
D1086.12	D1086.12	chrV	0.438706	0.000027
ZK792.4	ZK792.4	chrIV	0.438651	0.013702
Y54G2A.52	Y54G2A.52	chrIV	0.438441	0.003891
C50F4.8	C50F4.8	chrV	0.438431	0.000023
C51E3.10	C51E3.10	chrV	0.438416	0.005644
Y48G1BM.8	Y48G1BM.8	chrI	0.437905	0.011401
EEED8.3	EEED8.3	chrII	0.437797	0.000000
C55F2.1	C55F2.1	chrIV	0.437738	0.000001
Y65B4BL.4	Y65B4BL.4	chrI	0.437091	0.000001
T18H9.1	grd-6	chrV	0.436984	0.000575
C52D10.6	skr-12	chrIV	0.436977	0.003467
ZK1067.7	pqn-95	chrII	0.436879	0.000015
T28H11.8	T28H11.8	chrIV	0.436832	0.006871
T20B3.7	phy-3	chrV	0.436787	0.024527
M110.10	M110.10	chrII	0.436770	0.005897
T11F9.11	dhs-19	chrV	0.436749	0.000001
B0281.4	B0281.4	chrII	0.436512	0.035680
F15A8.5	dop-1	chrX	0.436349	0.024862
M01H9.3	M01H9.3	chrIV	0.436333	0.000000
F08B6.1	F08B6.1	chrI	0.436126	0.000050
T22B7.1	egl-13	chrX	0.436080	0.000015
K09G1.4	dop-2	chrV	0.436043	0.009327
C14C10.6	C14C10.6	chrV	0.436038	0.000035
Y17G9B.8	Y17G9B.8	chrIV	0.435857	0.000009
F52H3.6	F52H3.6	chrII	0.435451	0.024029
R06C7.6	R06C7.6	chrI	0.435404	0.002557
M01D7.6	emr-1	chrI	0.434997	0.000001
F43D9.6	urm-1	chrIII	0.434457	0.000026
C09D4.2	C09D4.2	chrI	0.434323	0.000016

Y47D3A.32	Y47D3A.32	chrIII	0.434243	0.004164
Y22D7AL.11	Y22D7AL.11	chrIII	0.434039	0.001958
F23F1.1	nfyc-1	chrII	0.433998	0.000001
C08F8.9	C08F8.9	chrIV	0.433987	0.000003
C06A5.4	C06A5.4	chrI	0.433754	0.020869
C23H4.8	C23H4.8	chrX	0.433477	0.004549
D2096.11	D2096.11	chrIV	0.433389	0.004297
T27E9.9	acc-4	chrIII	0.433252	0.035900
F39F10.4	F39F10.4	chrX	0.432937	0.002616
Y39A3CR.4	ddp-1	chrIII	0.432926	0.000001
C35D10.2	C35D10.2	chrIII	0.432826	0.000053
DY3.1	tin-13	chrI	0.432402	0.000001
H10E21.5	H10E21.5	chrIII	0.432382	0.002616
ZK616.3	ZK616.3	chrIV	0.432281	0.000039
T05F1.4	T05F1.4	chrI	0.432221	0.000002
T28F2.3	cah-6	chrI	0.431948	0.033608
F08H9.5	clcc-227	chrV	0.431916	0.044365
F49C12.13	vha-17	chrIV	0.431870	0.000001
C44B11.6	C44B11.6	chrIII	0.431830	0.005772
Y66D12A.16	Y66D12A.16	chrIII	0.431791	0.000008
T27E7.1	T27E7.1	chrIV	0.431630	0.001705
C47D12.4	C47D12.4	chrII	0.431324	0.002467
VM106R.1	VM106R.1	chrII	0.431150	0.005218
B0047.3	bath-24	chrII	0.431145	0.000310
C36B1.7	dhfr-1	chrI	0.431123	0.000001
R12C12.7	R12C12.7	chrII	0.431100	0.000002
M04C9.1	M04C9.1	chrI	0.431033	0.015917
F11A5.9	F11A5.9	chrV	0.430802	0.000005
F43C11.7	F43C11.7	chrII	0.430552	0.000486
M04B2.3	gfl-1	chrIV	0.430515	0.000003
C02B10.2	C02B10.2	chrIV	0.430457	0.000002
F32H2.2	mdt-31	chrI	0.430302	0.000020
F38H4.3	F38H4.3	chrIV	0.430284	0.005814
W05B10.1	his-74	chrV	0.430017	0.000001
K04F10.3	K04F10.3	chrI	0.430014	0.000001
T21C9.4	T21C9.4	chrV	0.430001	0.000001
W04E12.2	W04E12.2	chrV	0.429810	0.002437
F58H1.4	flr-2	chrV	0.429584	0.034468
Y34B4A.11	Y34B4A.11	chrX	0.429108	0.000561
Y73F4A.2	Y73F4A.2	chrIV	0.429066	0.000007
C04E6.7	C04E6.7	chrV	0.429062	0.001590
F59A2.5	F59A2.5	chrIII	0.429005	0.000010
B0513.4	B0513.4	chrIV	0.428926	0.000001
R11E3.1	R11E3.1	chrIV	0.428901	0.017810
F52C6.4	F52C6.4	chrII	0.428732	0.018502
F14H3.3	F14H3.3	chrV	0.428661	0.000008
Y73B6BL.269	Y73B6BL.269	chrIV	0.428604	0.014974
ZK1098.6	ZK1098.6	chrIII	0.428418	0.038138
Y102A11A.5	Y102A11A.5	chrX	0.428095	0.015331
B0511.13	B0511.13	chrI	0.428066	0.000001
H20E11.3	H20E11.3	chrIV	0.428023	0.000291
C53H9.3	C53H9.3	chrI	0.428009	0.000013
F43H9.4	F43H9.4	chrV	0.427927	0.000182
R186.8	R186.8	chrV	0.427766	0.000012
W03D2.5	wrt-5	chrIV	0.427698	0.000134
Y105E8A.4	ech-7	chrI	0.427553	0.000002
C10C5.7	C10C5.7	chrIV	0.427330	0.040409
C05G5.3	C05G5.3	chrX	0.426990	0.004338
B0273.2	puf-7	chrIV	0.426986	0.000025
Y62H9A.5	Y62H9A.5	chrX	0.426827	0.000001
W05F2.5	fbxa-203	chrI	0.426635	0.000064
ZK250.5	math-47	chrII	0.426581	0.005622
F21D5.6	F21D5.6	chrIV	0.426517	0.000004

C33D12.3	twk-26	chrX	0.426454	0.002779
Y57E12AL.5	mdt-6	chrV	0.426423	0.000001
Y47G6A.33	Y47G6A.33	chrI	0.426396	0.000002
B0546.1	mai-2	chrIV	0.426050	0.000001
C07D10.1	C07D10.1	chrII	0.425823	0.044495
T02G5.11	T02G5.11	chrII	0.425700	0.000085
F36H9.4	F36H9.4	chrV	0.425645	0.000165
H19N07.3	H19N07.3	chrV	0.425579	0.000097
Y105E8A.28	Y105E8A.28	chrI	0.425556	0.049548
Y37E3.4	moag-4	chrI	0.425479	0.000003
F12E12.1	F12E12.1	chrII	0.425354	0.000010
W04A8.2	W04A8.2	chrI	0.425268	0.000664
F39B2.5	F39B2.5	chrI	0.424980	0.000015
C13F10.7	C13F10.7	chrV	0.424742	0.000001
Y71F9AL.4	Y71F9AL.4	chrI	0.424698	0.000271
R10D12.12	R10D12.12	chrV	0.424611	0.000009
F23F1.10	F23F1.10	chrII	0.424553	0.000018
CD4.3	CD4.3	chrV	0.424249	0.000005
F18E3.13	F18E3.13	chrV	0.424219	0.000172
F33A8.7	F33A8.7	chrII	0.424153	0.028565
T06A10.2	T06A10.2	chrIV	0.424002	0.000009
F07D3.2	flp-6	chrV	0.423767	0.000018
R09A8.5	R09A8.5	chrX	0.423762	0.010022
C18A11.3	C18A11.3	chrX	0.423726	0.000065
Y71F9B.1	Y71F9B.1	chrI	0.423676	0.000145
T27F6.8	T27F6.8	chrI	0.423646	0.002651
F39E9.10	F39E9.10	chrII	0.423548	0.002274
Y46G5A.10	cnp-2	chrII	0.423457	0.000181
Y62E10A.19	Y62E10A.19	chrIV	0.423364	0.004765
Y43F8A.5	Y43F8A.5	chrV	0.423230	0.027220
B0495.6	B0495.6	chrII	0.422993	0.000012
ZK682.5	ZK682.5	chrV	0.422982	0.013901
F15D4.2	F15D4.2	chrII	0.422859	0.000007
ZK337.2	ZK337.2	chrI	0.422213	0.013671
C29F5.7	glb-10	chrII	0.421975	0.025949
F09F9.1	F09F9.1	chrX	0.421903	0.015662
T02G6.10	T02G6.10	chrI	0.421851	0.030447
W09G12.4	dsl-1	chrIV	0.421844	0.004267
F10E9.12	F10E9.12	chrIII	0.421730	0.013268
T07A9.15	T07A9.15	chrIV	0.421591	0.000152
Y54G2A.19	Y54G2A.19	chrIV	0.421385	0.000282
C41D11.9	C41D11.9	chrI	0.421376	0.000021
T08A9.7	spp-3	chrX	0.421323	0.000001
Y37D8A.21	Y37D8A.21	chrIII	0.421213	0.000003
F09E5.13	agt-2	chrII	0.420846	0.000004
F09D12.1	grd-10	chrIV	0.420823	0.000143
Y55F3AM.8	immp-2	chrIV	0.420792	0.000050
C02B8.5	C02B8.5	chrX	0.420686	0.034494
Y51F10.6	Y51F10.6	chrI	0.420447	0.000027
Y38H6C.10	fbxa-149	chrV	0.420216	0.002278
C29H12.3	rgs-3	chrII	0.420146	0.040243
C34F6.1	C34F6.1	chrX	0.420114	0.044118
C28A5.2	C28A5.2	chrIII	0.420087	0.000005
ZK1010.5	ZK1010.5	chrIII	0.419897	0.032287
F23F12.4	sdz-15	chrIII	0.419706	0.033991
T08A9.3	sng-1	chrX	0.419700	0.022055
F07A5.5	sue-1	chrI	0.419641	0.006812
F53F10.3	F53F10.3	chrI	0.419589	0.000003
F41B4.3	F41B4.3	chrX	0.419390	0.017182
B0286.3	B0286.3	chrII	0.419322	0.000003
C05D12.4	C05D12.4	chrII	0.419319	0.000419
E02H4.7	E02H4.7	chrX	0.419111	0.000236
Y50D4B.3	Y50D4B.3	chrV	0.419067	0.000018

F55C12.4	F55C12.4	chrII	0.418948	0.016929
ZC410.5	ZC410.5	chrIV	0.418939	0.000017
Y41D4B.7	nhr-87	chrIV	0.418684	0.004385
E02A10.3	E02A10.3	chrV	0.418592	0.011334
K08B4.7	K08B4.7	chrIV	0.418585	0.047492
T04A6.1	T04A6.1	chrIII	0.418411	0.000413
C47B2.9	C47B2.9	chrI	0.418380	0.000025
Y37E11B.1	Y37E11B.1	chrIV	0.418290	0.007436
Y73B6BL.44	Y73B6BL.44	chrIV	0.418263	0.002777
B0035.18	B0035.18	chrIV	0.418005	0.000023
ZK287.5	rbx-1	chrV	0.417844	0.000001
F39E9.7	F39E9.7	chrII	0.417672	0.026351
F57B10.10	dad-1	chrI	0.417577	0.000001
W03F8.6	W03F8.6	chrIV	0.417462	0.026246
W05F2.3	W05F2.3	chrI	0.417377	0.000001
Y87G2A.18	Y87G2A.18	chrI	0.417248	0.000013
Y48G8AL.7	Y48G8AL.7	chrI	0.417192	0.000036
W09G3.3	tag-229	chrI	0.417029	0.000020
B0244.10	B0244.10	chrIII	0.416990	0.005294
F07H5.9	pho-13	chrII	0.416927	0.000010
R09E10.6	R09E10.6	chrIV	0.416902	0.000051
C05D11.6	nas-4	chrIII	0.416802	0.044861
Y48A5A.3	Y48A5A.3	chrIV	0.416229	0.000149
F14D7.6	F14D7.6	chrV	0.416205	0.000153
F55A11.8	F55A11.8	chrV	0.416036	0.000010
Y97E10AR.5	rpb-9	chrV	0.415996	0.000004
F46G10.1	F46G10.1	chrX	0.415750	0.000009
C16A11.5	C16A11.5	chrII	0.415734	0.000006
C10A4.5	C10A4.5	chrX	0.415733	0.036512
Y65B4BR.8	Y65B4BR.8	chrI	0.415730	0.000004
K03B4.7	cpg-8	chrV	0.415715	0.000002
T06C12.5	T06C12.5	chrV	0.415653	0.001595
C15H11.8	C15H11.8	chrV	0.415635	0.000012
F45G2.8	F45G2.8	chrIII	0.415191	0.000010
W04E12.6	clec-49	chrV	0.415099	0.000125
D1014.1	sul-2	chrV	0.415065	0.049345
C02F12.5	C02F12.5	chrX	0.415058	0.000047
F52B11.4	col-133	chrIV	0.415013	0.000004
R09B5.5	pqn-54	chrV	0.414987	0.006770
T06E6.10	T06E6.10	chrV	0.414970	0.000149
C28C12.2	mesp-1	chrIV	0.414777	0.000001
T19C4.6	gpa-1	chrV	0.414777	0.007571
Y71H2B.4	Y71H2B.4	chrIII	0.414769	0.000007
C47F8.1	C47F8.1	chrI	0.414766	0.001340
F25H9.7	F25H9.7	chrV	0.414708	0.000065
F36A2.10	F36A2.10	chrI	0.414667	0.007722
F13B6.3	F13B6.3	chrIV	0.414586	0.002440
F19G12.9	F19G12.9	chrX	0.414161	0.044064
Y60A3A.9	Y60A3A.9	chrV	0.414058	0.000003
C33F10.11	C33F10.11	chrII	0.413914	0.038818
F38H4.5	F38H4.5	chrIV	0.413633	0.036677
T25G12.3	T25G12.3	chrX	0.413553	0.001290
C08H9.15	C08H9.15	chrII	0.413526	0.000021
CD4.10	CD4.10	chrV	0.413498	0.000078
T12A2.3	T12A2.3	chrIII	0.413374	0.004850
C52D10.9	skr-8	chrIV	0.413319	0.000386
T23G7.5	pir-1	chrII	0.413142	0.000003
W03G11.3	W03G11.3	chrX	0.413134	0.000281
M106.7	M106.7	chrII	0.413023	0.000017
Y106G6H.15	Y106G6H.15	chrI	0.412708	0.000005
K11H3.6	K11H3.6	chrIII	0.412631	0.000015
K05F1.10	K05F1.10	chrII	0.412598	0.000391
F54C4.1	F54C4.1	chrIII	0.412591	0.000005

C25H3.12	C25H3.12	chrII	0.412551	0.000125
C31C9.7	C31C9.7	chrII	0.412547	0.003158
C01G8.4	dnj-4	chrI	0.412457	0.000019
Y66C5A.1	Y66C5A.1	chrX	0.412216	0.023016
C53B7.4	asg-2	chrX	0.411851	0.000002
ZK867.3	spp-22	chrX	0.411811	0.013936
T09A5.15	T09A5.15	chrII	0.411705	0.000063
F57B10.14	F57B10.14	chrI	0.411678	0.000002
K08H10.9	K08H10.9	chrV	0.411666	0.000016
D1086.4	him-5	chrV	0.411324	0.000030
T08A9.11	ttr-59	chrX	0.411074	0.000052
Y66D12A.7	Y66D12A.7	chrIII	0.410874	0.000068
Y48C3A.18	Y48C3A.18	chrII	0.410661	0.000079
F08G12.4	vhl-1	chrX	0.410497	0.000554
C30B5.5	C30B5.5	chrII	0.410338	0.030596
Y54G2A.41	Y54G2A.41	chrIV	0.410318	0.009294
Y45F10A.5	nlp-17	chrIV	0.410283	0.003649
T07D10.8	T07D10.8	chrI	0.410219	0.004080
ZK678.5	wrt-4	chrX	0.410089	0.018490
T26A5.8	T26A5.8	chrIII	0.410056	0.000007
R10D12.1	R10D12.1	chrV	0.409943	0.012211
F40F4.4	lbp-3	chrX	0.409783	0.000007
W03F9.2	W03F9.2	chrV	0.409772	0.000045
T20G5.10	T20G5.10	chrIII	0.409658	0.000022
F44E2.6	F44E2.6	chrIII	0.409421	0.000024
Y54G2A.11	Y54G2A.11	chrIV	0.409365	0.000031
Y48B6A.14	hmg-1.1	chrII	0.409336	0.000002
Y116A8C.17	dct-13	chrIV	0.408969	0.013607
F53F1.4	F53F1.4	chrV	0.408879	0.000004
Y46G5A.8	Y46G5A.8	chrII	0.408753	0.001064
T27C4.1	T27C4.1	chrV	0.408707	0.000042
T04A8.4	tag-243	chrIII	0.408671	0.011169
H36L18.2	H36L18.2	chrX	0.408534	0.000006
F47B10.9	F47B10.9	chrX	0.408497	0.000165
F26F4.9	F26F4.9	chrIII	0.408370	0.000015
W07E6.3	W07E6.3	chrII	0.408290	0.043736
F59H6.10	bath-3	chrII	0.408221	0.002653
T10B11.5	T10B11.5	chrI	0.408189	0.009254
F48C1.7	spe-11	chrI	0.408036	0.022049
F11C7.5	osm-11	chrX	0.407882	0.000002
T04A8.10	sel-13	chrIII	0.407722	0.000007
E03G2.4	col-186	chrX	0.407688	0.038340
C05D12.2	C05D12.2	chrII	0.407451	0.006528
F35A5.3	abu-10	chrX	0.407149	0.008268
ZK632.8	arl-5	chrIII	0.407027	0.000028
T27F6.4	T27F6.4	chrI	0.406951	0.000003
Y6B3B.5	Y6B3B.5	chrI	0.406881	0.000093
Y39D8A.1	Y39D8A.1	chrV	0.406844	0.000363
C33G3.3	lgc-21	chrX	0.406761	0.011463
K05F6.5	fbxb-44	chrII	0.406580	0.041240
C49H3.3	C49H3.3	chrIV	0.406464	0.000004
F26F4.13	kbp-2	chrIII	0.406253	0.000014
C49F5.3	C49F5.3	chrX	0.406202	0.000033
C50D2.5	C50D2.5	chrII	0.405770	0.000005
R11D1.10	R11D1.10	chrV	0.405654	0.000015
C06E1.3	C06E1.3	chrIII	0.405646	0.000464
Y41D4B.5	rps-28	chrIV	0.405453	0.000002
ZK836.1	lon-3	chrV	0.405438	0.002617
M05D6.6	M05D6.6	chrII	0.405323	0.000008
C44B7.5	C44B7.5	chrII	0.405313	0.000003
F18E3.11	F18E3.11	chrV	0.405214	0.000276
T28A8.8	T28A8.8	chrIII	0.405020	0.002654
Y48E1C.4	Y48E1C.4	chrII	0.404938	0.000024

R11G11.12	nhr-210	chrV	0.404844	0.012409
T07D4.2	T07D4.2	chrII	0.404666	0.001021
C26F1.1	C26F1.1	chrV	0.404566	0.001234
ZK632.10	ZK632.10	chrIII	0.404293	0.000004
C42C1.13	C42C1.13	chrIV	0.404174	0.000033
C01G12.4	C01G12.4	chrII	0.404090	0.006145
T21C12.3	T21C12.3	chrIII	0.404064	0.033638
C30A5.3	C30A5.3	chrIII	0.403967	0.000003
R13D7.7	gst-41	chrV	0.403797	0.006526
Y57A10A.14	Y57A10A.14	chrII	0.403719	0.005494
T10H10.2	T10H10.2	chrX	0.403432	0.000511
C41D11.5	C41D11.5	chrI	0.403395	0.000005
C10F3.5	pcm-1	chrV	0.403389	0.000104
ZC168.6	ZC168.6	chrIV	0.403075	0.008083
M04C9.4	M04C9.4	chrI	0.403008	0.009920
T28F2.2	T28F2.2	chrI	0.402967	0.000898
F11G11.5	F11G11.5	chrII	0.402947	0.000005
E04F6.8	E04F6.8	chrII	0.402929	0.000035
F19C7.8	F19C7.8	chrIV	0.402759	0.030596
R10E9.3	R10E9.3	chrIII	0.402690	0.045989
Y69A2AR.6	Y69A2AR.6	chrIV	0.402570	0.000058
C08H9.16	C08H9.16	chrII	0.402517	0.000008
T12F5.1	T12F5.1	chrI	0.402406	0.000009
F13G11.3	F13G11.3	chrIV	0.402238	0.000008
Y45F10D.10	Y45F10D.10	chrIV	0.402215	0.010192
Y34D9A.6	glrx-10	chrI	0.402181	0.000014
Y57E12AM.1	Y57E12AM.1	chrV	0.402116	0.000006
Y44E3A.3	Y44E3A.3	chrI	0.402060	0.000020
C33E10.2	fbxa-120	chrX	0.402013	0.003114
T23F2.3	T23F2.3	chrX	0.401608	0.000273
C08G5.4	snt-6	chrII	0.401498	0.027009
C08F8.6	C08F8.6	chrIV	0.401486	0.037330
H10E21.1	H10E21.1	chrIII	0.401346	0.001372
K07G5.2	xpa-1	chrI	0.401259	0.000009
F15D4.8	flp-16	chrII	0.401018	0.004294
C34D1.4	C34D1.4	chrV	0.400868	0.007158
Y53F4B.3	Y53F4B.3	chrII	0.400599	0.000012
F59G1.4	F59G1.4	chrII	0.400450	0.049709
D2085.2	atg-10	chrII	0.400448	0.017180
B0416.3	B0416.3	chrX	0.400425	0.036104
T28D6.9	pen-2	chrIII	0.400404	0.000028
H11E01.2	H11E01.2	chrX	0.400229	0.003022
B0261.6	B0261.6	chrI	0.399776	0.019549
F18A1.8	F18A1.8	chrII	0.399761	0.000040
Y41C4A.19	col-96	chrIII	0.399715	0.000038
Y37E3.3	rpb-10	chrI	0.399465	0.000009
F10C2.2	kup-1	chrV	0.399296	0.000005
K03B4.4	K03B4.4	chrV	0.399159	0.026102
K03H1.4	ttr-2	chrIII	0.399155	0.000005
R08D7.5	R08D7.5	chrIII	0.398926	0.000020
T21B10.6	cutl-15	chrII	0.398535	0.009776
Y73B6BL.30	Y73B6BL.30	chrIV	0.398304	0.000014
B0286.1	B0286.1	chrII	0.398153	0.000692
Y44A6D.2	Y44A6D.2	chrV	0.398131	0.002105
B0334.4	B0334.4	chrII	0.398069	0.000006
C09E9.1	C09E9.1	chrIV	0.398061	0.000039
F53F4.16	F53F4.16	chrV	0.397735	0.000106
Y71G12B.35	Y71G12B.35	chrI	0.397717	0.004333
T08B1.4	T08B1.4	chrV	0.397586	0.015569
C55A6.1	C55A6.1	chrV	0.397455	0.000006
T13C5.6	T13C5.6	chrX	0.397347	0.000628
Y51A2D.21	Y51A2D.21	chrV	0.397063	0.033891
Y54G9A.5	Y54G9A.5	chrII	0.396375	0.000012

H01G02.1	H01G02.1	chrIV	0.396291	0.000089
W02H5.1	W02H5.1	chrV	0.396226	0.000392
C34C12.4	C34C12.4	chrIII	0.396205	0.000028
Y42G9A.3	Y42G9A.3	chrIII	0.396198	0.000605
Y67D8C.8	cpg-9	chrIV	0.396137	0.000010
F22F7.7	F22F7.7	chrV	0.396123	0.000206
M01E5.2	M01E5.2	chrI	0.395957	0.000102
F39G3.8	tig-2	chrV	0.395924	0.001831
F35F10.1	F35F10.1	chrV	0.395793	0.030596
F23F12.12	F23F12.12	chrIII	0.395601	0.001182
W10C8.4	W10C8.4	chrI	0.395588	0.043205
F37C12.4	rpl-36	chrIII	0.395475	0.000004
C32E8.3	C32E8.3	chrI	0.395441	0.000014
ZK20.4	ZK20.4	chrII	0.395362	0.000014
C56C10.9	C56C10.9	chrII	0.395318	0.000016
F58A3.5	ttr-31	chrX	0.395254	0.000073
F07B10.1	clin-3.1	chrV	0.395245	0.000306
F11A10.8	cpsf-4	chrIV	0.395131	0.000007
Y32H12A.6	Y32H12A.6	chrIII	0.395051	0.000464
F43D2.4	hot-1	chrV	0.394888	0.009516
Y43F4B.10	Y43F4B.10	chrIII	0.394826	0.000015
F10G7.11	ttr-41	chrII	0.394741	0.000011
T05F1.3	rps-19	chrI	0.394727	0.000004
F08F3.6	F08F3.6	chrV	0.394424	0.000008
C18E9.5	C18E9.5	chrII	0.394294	0.000053
R13A5.6	ttr-8	chrIII	0.394113	0.001028
K07A1.1	K07A1.1	chrI	0.394040	0.000012
F45F2.9	F45F2.9	chrV	0.394016	0.000044
Y71H2AM.12	Y71H2AM.12	chrIII	0.393911	0.006963
F23F12.9	F23F12.9	chrIII	0.393791	0.000020
Y37B11A.3	Y37B11A.3	chrIII	0.393768	0.005088
R03G5.5	R03G5.5	chrX	0.393627	0.004189
Y71H2B.11	Y71H2B.11	chrIII	0.393414	0.000259
F40F4.2	lbp-2	chrX	0.393218	0.000005
K07E3.3	dao-3	chrX	0.393172	0.000012
C36H8.1	C36H8.1	chrIV	0.393099	0.022488
B0213.3	nlp-28	chrV	0.392988	0.000033
Y82E9BR.2	Y82E9BR.2	chrIII	0.392921	0.000042
F02A9.3	far-2	chrIII	0.392862	0.000004
C38D4.1	C38D4.1	chrIII	0.392800	0.024625
D2007.4	D2007.4	chrIII	0.392550	0.000014
C33B4.4	C33B4.4	chrII	0.392512	0.000224
C35B1.5	C35B1.5	chrIV	0.392503	0.000009
ZK180.6	ZK180.6	chrIV	0.392384	0.000312
W03D8.9	W03D8.9	chrI	0.392156	0.047719
C14A6.1	clec-48	chrV	0.392103	0.000028
F07H5.8	F07H5.8	chrII	0.392024	0.048111
F43C1.3	F43C1.3	chrIII	0.391726	0.000062
Y57A10A.16	Y57A10A.16	chrII	0.391706	0.000083
F33C8.3	tsp-8	chrX	0.391505	0.000091
B0035.15	B0035.15	chrIV	0.391446	0.000016
ZK652.2	tomm-7	chrIII	0.391415	0.000049
B0213.15	cyp-34A9	chrV	0.391383	0.024313
F57H12.7	mec-17	chrIV	0.391265	0.000477
Y71F9B.4	snr-7	chrI	0.391230	0.000009
R10H10.6	R10H10.6	chrIV	0.391161	0.000331
T08E11.6	fbxb-10	chrII	0.390879	0.014865
T09A5.5	T09A5.5	chrII	0.390771	0.000018
C52E4.2	mif-2	chrV	0.390721	0.000033
F47G3.2	asna-2	chrX	0.390573	0.004196
Y57A10A.9	tag-276	chrII	0.390543	0.000554
CD4.4	vps-37	chrV	0.390534	0.000017
T13F3.6	T13F3.6	chrV	0.390386	0.000010

D1046.4	D1046.4	chrIV	0.390292	0.011502
T04C12.11	T04C12.11	chrV	0.390285	0.000267
Y47H10A.5	Y47H10A.5	chrI	0.390032	0.021186
Y48G8AL.9	Y48G8AL.9	chrI	0.389789	0.000033
Y15E3A.5	Y15E3A.5	chrX	0.389669	0.002028
F39E9.11	btb-17	chrII	0.389620	0.024939
F35F10.6	F35F10.6	chrV	0.389562	0.038184
K06A4.7	K06A4.7	chrV	0.389440	0.000013
F49C12.11	F49C12.11	chrIV	0.389424	0.000007
T26H2.9	nhr-79	chrV	0.389302	0.005116
Y48E1B.9	clcc-146	chrII	0.389198	0.000155
F28E10.2	F28E10.2	chrIV	0.389192	0.005692
F44G3.2	F44G3.2	chrV	0.389174	0.000008
R05D11.5	R05D11.5	chrI	0.389027	0.000019
T04G9.7	T04G9.7	chrX	0.388913	0.000010
C06B8.8	rpl-38	chrV	0.388616	0.000006
C29G2.6	C29G2.6	chrV	0.388521	0.000091
W08D2.1	egl-20	chrIV	0.388512	0.004313
F01F1.2	F01F1.2	chrIII	0.388356	0.000017
F25H5.8	F25H5.8	chrI	0.388166	0.000148
C33C12.9	C33C12.9	chrII	0.388075	0.000334
F08B6.2	gpc-2	chrI	0.388051	0.000015
F22E5.17	F22E5.17	chrII	0.387939	0.000033
C33A12.7	C33A12.7	chrIV	0.387735	0.000693
R10H10.1	lpd-8	chrIV	0.387540	0.000012
R01E6.6	glb-20	chrX	0.387481	0.041240
ZK1098.7	ZK1098.7	chrIII	0.387475	0.000038
ZK652.11	cuc-1	chrIII	0.387429	0.000033
K02B7.3	K02B7.3	chrII	0.387422	0.000097
F58A4.9	F58A4.9	chrIII	0.387231	0.000018
K08D10.2	dnj-15	chrIV	0.387178	0.000033
T05H4.12	atp-4	chrV	0.387109	0.000008
C39E9.4	scl-6	chrIV	0.387010	0.002740
C14B9.10	C14B9.10	chrIII	0.386916	0.000009
R01E6.3	cah-4	chrX	0.386869	0.000010
F10E7.7	rpl-33	chrII	0.386702	0.000007
F45B8.5	F45B8.5	chrX	0.386430	0.018891
Y73F8A.13	Y73F8A.13	chrIV	0.386421	0.001669
D1086.17	D1086.17	chrV	0.386345	0.021668
B0024.2	col-150	chrV	0.386303	0.000218
Y43C5A.1	nspd-7	chrIV	0.386285	0.004074
Y48G8AL.15	Y48G8AL.15	chrI	0.386247	0.000568
T10G3.6	gut-2	chrV	0.386159	0.000025
F44D12.2	F44D12.2	chrIV	0.386034	0.000971
T06A10.3	T06A10.3	chrIV	0.385859	0.000025
F47G6.1	dyb-1	chrI	0.385850	0.000125
F22A3.7	ttr-36	chrX	0.385770	0.000125
Y71F9B.13	Y71F9B.13	chrI	0.385543	0.000214
F37C12.11	rps-21	chrIII	0.385453	0.000007
R166.3	R166.3	chrII	0.385417	0.000149
ZC239.20	ZC239.20	chrII	0.385279	0.046554
Y39G10AR.20	Y39G10AR.20	chrI	0.385218	0.000033
F07C3.2	F07C3.2	chrV	0.384995	0.009661
F52C6.3	F52C6.3	chrII	0.384944	0.014547
ZC116.2	cyc-2.2	chrV	0.384794	0.018891
C39B5.5	C39B5.5	chrIII	0.384616	0.000334
C06A1.3	C06A1.3	chrII	0.384604	0.043723
Y53F4B.30	gst-27	chrII	0.384506	0.000018
F42H10.6	F42H10.6	chrIII	0.384061	0.000170
Y50D4A.2	Y50D4A.2	chrV	0.383968	0.000061
T12D8.7	taf-9	chrIII	0.383946	0.000021
F47B10.5	F47B10.5	chrX	0.383828	0.016544
F15A2.1	col-184	chrX	0.383689	0.000008

C09H10.2	rpl-41	chrII	0.383481	0.000008
Y46G5A.35	Y46G5A.35	chrII	0.383426	0.000233
B0513.3	rpl-29	chrIV	0.383357	0.000008
Y56A3A.33	Y56A3A.33	chrIII	0.383314	0.003207
ZK507.4	dos-1	chrIII	0.383197	0.000351
ZK813.7	ZK813.7	chrX	0.383064	0.000009
C29E4.1	col-90	chrIII	0.383000	0.011448
C56C10.7	C56C10.7	chrII	0.382667	0.000029
R10E4.7	R10E4.7	chrIII	0.382454	0.013914
Y71H2AR.3	Y71H2AR.3	chrIII	0.382295	0.004109
B0205.8	B0205.8	chrI	0.382291	0.000050
C24A3.2	C24A3.2	chrX	0.382258	0.000080
K07B1.6	K07B1.6	chrV	0.382190	0.000013
C28H8.1	C28H8.1	chrIII	0.382177	0.000026
C02F5.7	C02F5.7	chrIII	0.382151	0.000083
T21B10.5	set-17	chrII	0.381829	0.000016
C49C3.6	C49C3.6	chrIV	0.381820	0.000021
C14B1.2	C14B1.2	chrIII	0.381483	0.000015
Y57A10A.3	Y57A10A.3	chrII	0.381459	0.002523
F28F8.5	F28F8.5	chrV	0.381313	0.000034
Y54F10AM.11	Y54F10AM.11	chrIII	0.381228	0.000042
Y46G5A.5	pis-y-1	chrII	0.381081	0.000017
W03D2.1	pqn-75	chrIV	0.381073	0.001607
T12B5.15	T12B5.15	chrIII	0.380858	0.000041
M03C11.6	M03C11.6	chrIII	0.380837	0.000492
C39E9.2	scl-5	chrIV	0.380642	0.002142
F35C12.2	ncx-4	chrI	0.380562	0.037909
F37A8.4	nlp-10	chrIII	0.380460	0.000971
H10D18.5	H10D18.5	chrV	0.380320	0.017486
F43C11.3	F43C11.3	chrII	0.380266	0.031226
K08H2.3	K08H2.3	chrX	0.380165	0.000486
Y69A2AR.32	Y69A2AR.32	chrIV	0.380103	0.000234
Y17D7B.4	Y17D7B.4	chrV	0.379856	0.000551
ZK662.2	ZK662.2	chrX	0.379508	0.025529
T07F12.4	T07F12.4	chrX	0.379432	0.024960
ZK856.5	ZK856.5	chrV	0.379376	0.005899
B0513.2	B0513.2	chrIV	0.379317	0.000018
F54H5.5	F54H5.5	chrII	0.378987	0.040485
B0025.4	B0025.4	chrI	0.378982	0.000041
K10G9.2	K10G9.2	chrIII	0.378717	0.008734
Y74C10AL.2	Y74C10AL.2	chrI	0.378587	0.000057
F49C12.6	F49C12.6	chrIV	0.378564	0.024826
Y72A10A.1	Y72A10A.1	chrX	0.378555	0.019866
C24D10.4	C24D10.4	chrIV	0.378539	0.000030
R17.1	fbxb-85	chrIII	0.378511	0.042851
C37A2.7	C37A2.7	chrI	0.378463	0.000011
T23H2.2	snt-4	chrI	0.378305	0.000153
C25E10.8	C25E10.8	chrV	0.378303	0.001131
F23C8.9	F23C8.9	chrI	0.378227	0.000041
R02F2.9	R02F2.9	chrIII	0.378184	0.000050
F30A10.1	F30A10.1	chrI	0.378151	0.001286
T12B5.8	fbxa-59	chrIII	0.378024	0.013053
R02D5.3	R02D5.3	chrV	0.377641	0.028542
T01G1.2	T01G1.2	chrIV	0.377302	0.005224
R53.6	R53.6	chrII	0.377176	0.000025
F37B12.3	F37B12.3	chrII	0.377141	0.000022
F02D10.6	F02D10.6	chrX	0.377102	0.003429
T05A7.1	T05A7.1	chrII	0.376953	0.000075
Y106G6D.8	Y106G6D.8	chrI	0.376950	0.000494
F41E7.5	fipr-21	chrX	0.376823	0.000021
Y45G5AM.1	nhr-114	chrV	0.376628	0.000014
K02D3.1	K02D3.1	chrX	0.376505	0.032028
W07A12.7	rhy-1	chrII	0.376446	0.000111

D1025.2	D1025.2	chrX	0.376421	0.000128
W06A11.4	W06A11.4	chrII	0.376417	0.013481
T28B4.3	ttr-6	chrX	0.376411	0.000033
C06H2.6	C06H2.6	chrV	0.376374	0.000025
C16C8.13	C16C8.13	chrII	0.375934	0.003566
Y37H2A.6	fbxa-211	chrV	0.375883	0.001952
Y48B6A.2	rpl-43	chrII	0.375721	0.000012
Y39A3CL.6	pvf-1	chrIII	0.375674	0.001085
R102.2	R102.2	chrIV	0.375645	0.002001
Y57G11C.25	ccch-5	chrIV	0.375616	0.001651
F43D9.4	sip-1	chrIII	0.375508	0.000012
C54D2.4	sul-3	chrX	0.375191	0.008807
T19E7.6	T19E7.6	chrIV	0.375176	0.010813
F12E12.11	F12E12.11	chrII	0.375085	0.042418
F18A11.3	F18A11.3	chrII	0.375079	0.001186
Y119C1B.10	Y119C1B.10	chrI	0.374925	0.000236
C14B1.8	C14B1.8	chrIII	0.374804	0.000052
Y67D2.5	Y67D2.5	chrIII	0.374726	0.000399
Y37H2A.9	Y37H2A.9	chrV	0.374703	0.002234
F31E9.4	sdz-16	chrV	0.374664	0.018496
R04F11.5	R04F11.5	chrV	0.374593	0.000076
C26F1.7	hint-3	chrV	0.374484	0.000139
K07A1.3	K07A1.3	chrI	0.374267	0.011372
F28A12.3	F28A12.3	chrV	0.374202	0.041734
F47B8.11	sss-2	chrV	0.374160	0.009199
F08F3.9	F08F3.9	chrV	0.374106	0.049523
T28C12.2	T28C12.2	chrV	0.374068	0.007653
F27C1.1	F27C1.1	chrI	0.373964	0.001555
Y22D7AL.10	Y22D7AL.10	chrIII	0.373857	0.000018
M03E7.5	memb-2	chrV	0.373773	0.000050
Y77E11A.15	col-106	chrIV	0.373692	0.000014
F40E10.5	F40E10.5	chrX	0.373639	0.026733
Y37D8A.4	Y37D8A.4	chrIII	0.373539	0.000040
F53E10.6	F53E10.6	chrV	0.373453	0.000040
Y24D9A.4	rpl-7A	chrIV	0.373188	0.000017
C50B8.1	C50B8.1	chrV	0.373185	0.000024
R11G11.1	nhr-132	chrV	0.373126	0.021724
F44D12.4	F44D12.4	chrIV	0.372976	0.000310
T12B5.14	T12B5.14	chrIII	0.372793	0.024132
C03D6.6	lab-1	chrI	0.372593	0.000058
C33A11.2	C33A11.2	chrX	0.372439	0.000550
K09H9.5	K09H9.5	chrI	0.372247	0.007994
T07A9.12	T07A9.12	chrIV	0.372204	0.006812
F35G12.7	F35G12.7	chrIII	0.372004	0.000879
K07A12.3	asg-1	chrI	0.371902	0.000020
C02F5.13	C02F5.13	chrIII	0.371855	0.000129
F53B6.4	F53B6.4	chrI	0.371744	0.004801
C15C6.2	C15C6.2	chrI	0.371742	0.001143
Y69A2AR.28	Y69A2AR.28	chrIV	0.371729	0.000096
Y38C1AA.14	Y38C1AA.14	chrIV	0.371660	0.000165
W09D6.5	W09D6.5	chrIII	0.371575	0.000062
C06E7.3	sams-4	chrIV	0.371478	0.000031
Y66D12A.22	tin-10	chrIII	0.371439	0.000045
Y23H5A.2	Y23H5A.2	chrI	0.371414	0.000478
B0041.6	ptps-1	chrI	0.371398	0.000636
Y46H3B.2	clec-204	chrV	0.371398	0.026868
R05D7.1	R05D7.1	chrI	0.371260	0.012336
K07A12.5	K07A12.5	chrI	0.371042	0.024361
M162.2	clec-258	chrV	0.370953	0.001230
T24E12.1	T24E12.1	chrII	0.370943	0.001038
W02H3.1	W02H3.1	chrX	0.370913	0.002800
ZK652.4	rpl-35	chrIII	0.370804	0.000016
F01F1.15	F01F1.15	chrIII	0.370773	0.000106

F20D1.1	F20D1.1	chrX	0.370764	0.000038
T01G5.7	T01G5.7	chrV	0.370751	0.000207
F01G10.2	ech-8	chrIV	0.370735	0.000385
K01A2.1	sgcb-1	chrII	0.370720	0.004190
R90.2	ttr-27	chrV	0.370531	0.018719
D2096.1	D2096.1	chrIV	0.370462	0.000808
F21F3.6	F21F3.6	chrI	0.370400	0.000020
F21D5.8	F21D5.8	chrIV	0.370277	0.000088
F40G9.11	mxl-2	chrIII	0.370272	0.000046
ZK822.4	ZK822.4	chrIV	0.370241	0.000099
Y110A7A.7	Y110A7A.7	chrI	0.370233	0.000269
F52C6.2	F52C6.2	chrII	0.370196	0.000184
F55G1.15	F55G1.15	chrIV	0.370128	0.005645
F45H10.3	F45H10.3	chrII	0.370124	0.000028
F35D11.4	F35D11.4	chrII	0.369967	0.000095
Y39B6A.16	Y39B6A.16	chrV	0.369875	0.000542
F54D10.1	skr-15	chrII	0.369523	0.000219
T10C6.8	T10C6.8	chrV	0.369467	0.000038
F54B11.11	F54B11.11	chrX	0.369314	0.010831
K09A9.2	rab-14	chrX	0.369302	0.000062
F43H9.1	ech-3	chrV	0.368799	0.000455
F38H4.10	F38H4.10	chrIV	0.368726	0.000063
W08A12.3	W08A12.3	chrV	0.368577	0.010299
Y69A2AR.21	Y69A2AR.21	chrIV	0.368452	0.000033
F08G5.3	F08G5.3	chrIV	0.368422	0.021357
W05H7.3	sedl-1	chrX	0.368397	0.002494
F45G2.10	F45G2.10	chrIII	0.368072	0.000075
Y92H12BR.2	Y92H12BR.2	chrI	0.367982	0.000051
T04B2.6	dhs-31	chrIV	0.367913	0.036983
ZC404.8	spn-4	chrV	0.367784	0.000019
K09F5.3	spp-14	chrX	0.367678	0.000024
Y66D12A.10	Y66D12A.10	chrIII	0.367427	0.000065
F38G1.3	F38G1.3	chrX	0.367234	0.043446
F26A1.1	F26A1.1	chrIII	0.367232	0.000037
K02F2.5	K02F2.5	chrI	0.367176	0.001000
F35H10.7	F35H10.7	chrIV	0.367158	0.000081
T13F2.2	T13F2.2	chrIV	0.367011	0.000041
T13C2.4	ssup-72	chrII	0.366865	0.000107
T14G12.2	aex-4	chrX	0.366752	0.026242
Y106G6H.8	Y106G6H.8	chrI	0.366459	0.000111
F43G9.2	F43G9.2	chrI	0.366402	0.000106
C15A11.7	C15A11.7	chrI	0.366384	0.001157
F14H3.11	nhr-176	chrV	0.366276	0.015662
F55A12.1	F55A12.1	chrI	0.366073	0.000026
E01B7.2	E01B7.2	chrV	0.365997	0.000145
ZK1240.3	ZK1240.3	chrII	0.365994	0.001347
F54B11.5	F54B11.5	chrX	0.365989	0.000375
F12A10.1	F12A10.1	chrII	0.365901	0.001480
Y111B2A.13	Y111B2A.13	chrIII	0.365813	0.002602
R07H5.4	sdz-27	chrIV	0.365721	0.000094
D2045.7	D2045.7	chrIII	0.365523	0.009534
Y76B12C.3	Y76B12C.3	chrIV	0.365508	0.000060
Y80D3A.3	ceh-51	chrV	0.365416	0.023533
W02B12.15	W02B12.15	chrII	0.365279	0.000040
C34E10.10	C34E10.10	chrIII	0.365248	0.000111
C06A8.8	C06A8.8	chrII	0.364914	0.009004
Y54E5B.4	ubc-16	chrI	0.364912	0.000068
F44C4.5	ppt-1	chrV	0.364895	0.001913
K11D12.13	K11D12.13	chrV	0.364801	0.000052
ZK512.4	ZK512.4	chrIII	0.364663	0.000172
Y105E8B.6	Y105E8B.6	chrI	0.364388	0.001926
Y102A5C.6	Y102A5C.6	chrV	0.364284	0.000029
F52C12.6	F52C12.6	chrIV	0.364095	0.000152

W05B10.2	ccch-3	chrV	0.364027	0.000078
B0218.6	clec-51	chrIV	0.363944	0.000491
C06A5.8	C06A5.8	chrI	0.363909	0.000098
ZK616.6	ZK616.6	chrIV	0.363875	0.000041
Y62E10A.14	Y62E10A.14	chrIV	0.363804	0.000049
F07H5.3	F07H5.3	chrII	0.363726	0.000041
T16H12.9	T16H12.9	chrIII	0.363374	0.039052
F29B9.10	F29B9.10	chrIV	0.363183	0.000412
C29G2.1	C29G2.1	chrV	0.363088	0.003441
C15C8.1	C15C8.1	chrV	0.363054	0.015867
F39G3.2	F39G3.2	chrV	0.362958	0.004572
C43E11.12	C43E11.12	chrI	0.362926	0.000090
DH11.4	DH11.4	chrII	0.362915	0.037779
F46G10.2	F46G10.2	chrX	0.362726	0.001527
Y95B8A.6	Y95B8A.6	chrI	0.362677	0.002602
F14B8.2	F14B8.2	chrX	0.362649	0.004101
F59C12.4	F59C12.4	chrX	0.362567	0.000297
F09E5.17	bmy-1	chrII	0.362535	0.000065
Y67D2.4	Y67D2.4	chrIII	0.362385	0.000336
T23B12.1	T23B12.1	chrV	0.362361	0.000098
K02B2.5	rps-25	chrIV	0.362257	0.000025
Y52E8A.3	Y52E8A.3	chrII	0.362137	0.024709
C24H11.5	C24H11.5	chrIII	0.362018	0.001852
CD4.7	CD4.7	chrV	0.361994	0.000161
R06B9.4	arrd-14	chrII	0.361989	0.001950
F08G2.4	F08G2.4	chrII	0.361966	0.000956
F38E9.1	F38E9.1	chrX	0.361794	0.000443
F29A7.6	F29A7.6	chrII	0.361698	0.000217
Y39B6A.5	Y39B6A.5	chrV	0.361662	0.002133
F02E9.1	F02E9.1	chrI	0.361636	0.000157
F49C12.12	F49C12.12	chrIV	0.361553	0.000041
F38A1.5	clec-166	chrIV	0.361388	0.005378
C43H6.3	C43H6.3	chrX	0.361339	0.000552
CC8.2	CC8.2	chrIV	0.360981	0.000133
F15E6.1	set-9	chrIV	0.360932	0.000087
Y17G7B.8	Y17G7B.8	chrII	0.360862	0.003096
F14H3.6	F14H3.6	chrV	0.360756	0.000033
R12E2.10	egg-5	chrI	0.360736	0.000193
ZK1320.11	ZK1320.11	chrII	0.360705	0.001328
Y52B11A.8	Y52B11A.8	chrI	0.360633	0.000053
C46F9.1	math-22	chrII	0.360562	0.010995
B0280.10	pot-1	chrIII	0.360515	0.000238
M04G7.3	M04G7.3	chrIV	0.360472	0.009669
F38B2.4	F38B2.4	chrX	0.360398	0.000095
C44B9.3	C44B9.3	chrIII	0.360373	0.000073
Y47H9C.11	Y47H9C.11	chrI	0.360322	0.008074
E01A2.4	E01A2.4	chrI	0.360086	0.000037
Y53F4B.29	gst-26	chrII	0.359897	0.000100
Y57G11C.11	coq-3	chrIV	0.359806	0.000255
C14A4.10	taf-13	chrII	0.359606	0.000080
ZC155.7	syn-16	chrIII	0.359541	0.000066
T16D1.2	pho-4	chrII	0.359535	0.001151
Y38E10A.17	Y38E10A.17	chrII	0.359522	0.005624
T03F1.6	T03F1.6	chrI	0.359489	0.001650
T09F3.4	T09F3.4	chrII	0.359332	0.000698
F42F12.4	F42F12.4	chrX	0.359239	0.002347
K05G3.3	cah-3	chrX	0.359220	0.000118
M01B2.10	M01B2.10	chrV	0.359000	0.012742
R06C7.2	R06C7.2	chrI	0.358994	0.000298
Y40C5A.4	Y40C5A.4	chrIV	0.358869	0.002523
C06B8.2	C06B8.2	chrV	0.358861	0.019898
R06F6.6	R06F6.6	chrII	0.358736	0.006074
VW02B12L.4	adbp-1	chrII	0.358707	0.000095

Y47H9C.14	Y47H9C.14	chrI	0.358700	0.001395
Y62H9A.6	Y62H9A.6	chrX	0.358226	0.000035
F22B8.7	F22B8.7	chrV	0.358226	0.000094
T20B3.2	tni-3	chrV	0.358223	0.000090
K04F10.1	K04F10.1	chrI	0.358065	0.010832
R09B3.2	R09B3.2	chrI	0.358038	0.000037
F45G2.9	F45G2.9	chrIII	0.358031	0.002241
C37C3.7	C37C3.7	chrV	0.358024	0.035076
M199.5	col-135	chrIV	0.358018	0.000455
C53B4.6	C53B4.6	chrIV	0.357932	0.000372
Y37A1B.5	Y37A1B.5	chrIV	0.357851	0.000064
C33G8.7	nhr-161	chrV	0.357799	0.004250
ZK688.7	ZK688.7	chrIII	0.357605	0.001704
F39B2.11	mtx-1	chrI	0.357567	0.000057
ZK892.1	lec-3	chrII	0.357510	0.000185
C16A3.9	rps-13	chrIII	0.357409	0.000034
F14E5.5	lips-10	chrII	0.357251	0.000307
C29E4.15	C29E4.15	chrIII	0.357198	0.006949
C42C1.14	rpl-34	chrIV	0.357093	0.000035
E_BE45912.2	E_BE45912.2	chrIII	0.357074	0.002743
R07B7.4	R07B7.4	chrV	0.356924	0.046529
R04F11.2	R04F11.2	chrV	0.356904	0.000040
F28F8.3	lsm-5	chrV	0.356890	0.000106
F19F10.1	F19F10.1	chrV	0.356728	0.022347
D2021.4	D2021.4	chrX	0.356702	0.008964
C48B6.10	C48B6.10	chrI	0.356688	0.000070
F45C12.12	btb-7	chrII	0.356606	0.005703
Y18D10A.19	fkf-2	chrI	0.356456	0.000040
K11H12.7	K11H12.7	chrIV	0.356322	0.000263
F31F7.1	F31F7.1	chrV	0.356192	0.000080
R04A9.6	R04A9.6	chrX	0.355986	0.022185
C06A8.9	glr-4	chrII	0.355959	0.014951
C50B8.6	C50B8.6	chrV	0.355936	0.004939
C34D4.10	C34D4.10	chrIV	0.355868	0.000672
C30H6.9	C30H6.9	chrIV	0.355413	0.000297
B0041.8	B0041.8	chrI	0.355381	0.000057
Y38F2AR.9	Y38F2AR.9	chrIV	0.355324	0.000051
C50D2.10	C50D2.10	chrII	0.355291	0.001711
F53B6.1	tsp-15	chrI	0.355267	0.007755
R05G9.2	R05G9.2	chrII	0.355223	0.025475
Y77E11A.2	Y77E11A.2	chrIV	0.355214	0.000468
F44C8.11	nhr-96	chrV	0.355079	0.033052
C01G12.3	C01G12.3	chrII	0.354943	0.018515
R11A5.3	R11A5.3	chrI	0.354858	0.001977
C29F4.2	C29F4.2	chrIV	0.354819	0.001703
C02B10.4	C02B10.4	chrIV	0.354810	0.000052
T21C12.1	unc-49	chrIII	0.354663	0.000796
K07A1.17	K07A1.17	chrI	0.354613	0.000080
T10B10.4	T10B10.4	chrX	0.354376	0.000344
C33H5.4	klp-10	chrIV	0.354371	0.000112
F26H11.1	kbp-3	chrII	0.354341	0.000082
D1007.8	D1007.8	chrI	0.354222	0.000251
C01C4.3	C01C4.3	chrX	0.354208	0.004173
D1086.7	D1086.7	chrV	0.354171	0.000281
C24H10.5	cal-5	chrX	0.354116	0.000116
C34D4.13	C34D4.13	chrIV	0.354043	0.000188
C48B4.8	C48B4.8	chrIII	0.353897	0.000864
C29A12.1	C29A12.1	chrV	0.353860	0.000086
F57A10.4	F57A10.4	chrV	0.353821	0.001430
F15B9.3	far-5	chrV	0.353789	0.004652
T23D8.5	his-67	chrI	0.353675	0.009147
D2013.1	rab-39	chrII	0.353599	0.000273
C06A1.2	C06A1.2	chrII	0.353411	0.020269

K12C11.6	K12C11.6	chrI	0.353016	0.042594
Y56A3A.21	trap-4	chrIII	0.353005	0.000047
C35D10.11	msd-4	chrIII	0.352978	0.001625
ZK1010.3	frg-1	chrIII	0.352571	0.000086
Y4C6B.7	Y4C6B.7	chrIV	0.352542	0.000910
Y71H2AL.1	Y71H2AL.1	chrIII	0.352459	0.000483
M02B1.3	M02B1.3	chrIV	0.352430	0.000053
C13A10.1	C13A10.1	chrII	0.352398	0.022401
H14A12.5	H14A12.5	chrIII	0.352368	0.029687
C48E7.10	spp-15	chrI	0.352193	0.000863
C08A9.6	C08A9.6	chrX	0.351524	0.001913
T06E4.4	col-147	chrV	0.351375	0.002046
T07A5.5	T07A5.5	chrIII	0.351131	0.000443
T15B7.1	T15B7.1	chrV	0.351129	0.000077
K08D10.12	K08D10.12	chrIV	0.350822	0.002841
Y55F3BR.5	madf-1	chrIV	0.350748	0.020912
F57G4.4	F57G4.4	chrV	0.350693	0.005218
C03D6.8	rpl-24.2	chrI	0.350673	0.000083
T19C4.7	nlp-33	chrV	0.350608	0.000148
C07H4.1	C07H4.1	chrII	0.350550	0.026895
T27E4.4	fip-2	chrV	0.350457	0.000318
F32H2.10	F32H2.10	chrI	0.350400	0.000248
F54D7.6	F54D7.6	chrI	0.350370	0.000091
T10C6.5	T10C6.5	chrV	0.350135	0.000064
K08D8.3	K08D8.3	chrIV	0.350102	0.000656
Y39B6A.42	Y39B6A.42	chrV	0.349781	0.000132
F20B4.6	cgt-2	chrX	0.349731	0.003290
F16D3.7	ser-5	chrI	0.349634	0.042089
K04C1.5	K04C1.5	chrX	0.349518	0.000088
B0336.10	rpl-23	chrIII	0.349491	0.000050
F20A1.6	F20A1.6	chrV	0.349334	0.040601
C47B2.1	fbxa-140	chrI	0.349267	0.006315
C50F4.7	his-37	chrV	0.349251	0.000165
C38D4.9	C38D4.9	chrIII	0.349229	0.002325
B0511.7	B0511.7	chrI	0.349218	0.000102
C55A6.3	C55A6.3	chrV	0.349145	0.018952
R11A5.7	R11A5.7	chrI	0.349131	0.007112
F40G12.11	F40G12.11	chrV	0.348978	0.000129
F33G12.2	F33G12.2	chrII	0.348946	0.000296
Y49F6C.8	Y49F6C.8	chrII	0.348926	0.000318
C17E4.11	C17E4.11	chrI	0.348915	0.001564
F41E6.5	F41E6.5	chrV	0.348751	0.005306
ZK381.1	him-3	chrIV	0.348731	0.000084
T27F6.2	clec-12	chrI	0.348687	0.013133
W01G7.4	W01G7.4	chrII	0.348543	0.000129
C08B6.3	C08B6.3	chrV	0.348492	0.009255
H06H21.11	H06H21.11	chrIV	0.348451	0.000195
W08E12.1	W08E12.1	chrIV	0.348409	0.002336
Y54G2A.5	dml-1	chrIV	0.348095	0.000091
T04B2.3	T04B2.3	chrIV	0.347954	0.010134
F36D1.9	F36D1.9	chrI	0.347953	0.021142
F09G8.7	F09G8.7	chrIII	0.347946	0.000238
B0454.9	B0454.9	chrII	0.347737	0.000563
T28D9.1	T28D9.1	chrII	0.347728	0.000076
K05C4.2	K05C4.2	chrI	0.347536	0.000083
K02A11.3	K02A11.3	chrI	0.347364	0.001962
Y119C1B.4	Y119C1B.4	chrI	0.347283	0.000124
B0252.4	cyn-10	chrII	0.347262	0.000196
F36A2.8	phip-1	chrI	0.347232	0.000283
K04G2.10	K04G2.10	chrI	0.347105	0.000299
Y57G11C.45	Y57G11C.45	chrIV	0.347098	0.023086
K07F5.11	ssq-1	chrIV	0.346813	0.002776
Y77E11A.6	Y77E11A.6	chrIV	0.346798	0.001926

D2024.5	D2024.5	chrIV	0.346757	0.000133
ZK652.3	tag-277	chrIII	0.346729	0.000115
F18E2.1	F18E2.1	chrV	0.346623	0.000116
T05D4.1	aldo-1	chrIII	0.346597	0.000091
E01G4.3	E01G4.3	chrII	0.346551	0.000205
T04F8.8	T04F8.8	chrX	0.346428	0.000083
ZK1098.11	ZK1098.11	chrIII	0.346386	0.001071
C46C11.3	C46C11.3	chrX	0.346379	0.009585
Y53C10A.14	Y53C10A.14	chrI	0.346367	0.002043
Y38C1AA.3	pnc-1	chrIV	0.346266	0.000232
T16H12.11	T16H12.11	chrIII	0.346244	0.000184
F36H5.5	fbxb-53	chrII	0.346244	0.042855
F56G4.4	F56G4.4	chrI	0.346226	0.000107
C05E7.2	C05E7.2	chrX	0.346173	0.018627
Y106G6H.3	rpl-30	chrI	0.346082	0.000062
C28D4.1	nhr-100	chrIV	0.346060	0.001716
F43G9.13	F43G9.13	chrI	0.345890	0.000439
T04C12.6	act-1	chrV	0.345736	0.000073
Y50E8A.3	oig-3	chrV	0.345539	0.004063
W02D7.5	W02D7.5	chrV	0.345408	0.005973
B0336.13	B0336.13	chrIII	0.345341	0.000166
Y111B2A.21	Y111B2A.21	chrIII	0.345336	0.025042
R10E8.1	R10E8.1	chrV	0.345141	0.003986
F10C1.9	F10C1.9	chrII	0.345115	0.001027
Y102E9.5	Y102E9.5	chrIII	0.344970	0.014951
F37C4.4	F37C4.4	chrIV	0.344963	0.014443
T16G12.4	T16G12.4	chrIII	0.344721	0.000295
M176.11	M176.11	chrII	0.344675	0.002620
F41B4.2	F41B4.2	chrX	0.344656	0.009218
Y43E12A.2	Y43E12A.2	chrIV	0.344583	0.001831
F23D12.7	F23D12.7	chrX	0.344280	0.014338
Y38F2AR.2	trap-3	chrIV	0.344254	0.000075
B0334.2	twk-5	chrII	0.344253	0.002056
T07E3.3	T07E3.3	chrIII	0.344250	0.000126
F49E12.9	F49E12.9	chrII	0.344235	0.000161
K07E3.8	vem-1	chrX	0.344159	0.000206
C34B2.10	C34B2.10	chrI	0.344028	0.000153
K08E4.6	K08E4.6	chrIV	0.344028	0.000138
JC8.3	rpl-12	chrIV	0.343923	0.000068
C16A3.2	C16A3.2	chrIII	0.343818	0.000348
B0464.3	nlp-36	chrIII	0.343784	0.000155
ZK418.6	ZK418.6	chrIII	0.343767	0.020206
T27E9.3	cdk-5	chrIII	0.343691	0.000184
F44E7.9	F44E7.9	chrV	0.343532	0.000157
R53.2	R53.2	chrII	0.343499	0.000203
ZK973.6	anc-1	chrI	0.343487	0.000122
C08F11.11	C08F11.11	chrIV	0.343384	0.000082
T27A8.2	T27A8.2	chrX	0.343350	0.004344
F08H9.8	clec-54	chrV	0.343269	0.020473
T08A9.2	ttr-30	chrX	0.343063	0.014227
F42A9.5	cyp-33E2	chrIV	0.343020	0.011525
C35D10.5	C35D10.5	chrIII	0.342955	0.000284
C24G6.1	syp-2	chrV	0.342792	0.000181
W05H7.1	W05H7.1	chrX	0.342720	0.003603
MTCE.23	MTCE.23	chrM	0.342691	0.000072
M176.4	M176.4	chrII	0.342601	0.000465
T03F6.4	T03F6.4	chrIII	0.342541	0.046903
M116.2	M116.2	chrIV	0.342541	0.003169
F55B11.3	F55B11.3	chrIV	0.342373	0.000146
C05C8.1	C05C8.1	chrV	0.342221	0.000310
C08B6.1	ugt-17	chrV	0.342118	0.000491
F01F1.3	F01F1.3	chrIII	0.341974	0.007468
Y116A8C.30	Y116A8C.30	chrIV	0.341831	0.000583

C06E1.1	C06E1.1	chrIII	0.341807	0.001105
C27A7.6	C27A7.6	chrV	0.341786	0.000686
C06G3.11	tin-9.1	chrIV	0.341540	0.000235
F52A8.1	F52A8.1	chrI	0.341515	0.000100
F09G8.2	crn-7	chrIII	0.341406	0.005055
K11D12.5	K11D12.5	chrV	0.341365	0.000302
Y71F9AM.5	nxt-1	chrI	0.341302	0.000178
B0024.9	trx-2	chrV	0.341249	0.000244
ZK1193.1	col-19	chrX	0.341106	0.000078
C04F12.9	rnh-1.3	chrI	0.341031	0.016083
R07E5.13	R07E5.13	chrIII	0.340959	0.000165
C33G8.11	nhr-107	chrV	0.340943	0.027892
C06E7.1	sams-3	chrIV	0.340935	0.000206
ZC204.7	fbxb-15	chrII	0.340921	0.024981
C26F1.4	rps-30	chrV	0.340819	0.000082
T24H10.6	dyrb-1	chrII	0.340724	0.000240
C28G1.1	ubc-23	chrX	0.340707	0.019413
E01A2.5	E01A2.5	chrI	0.340118	0.000448
ZK970.2	clpp-1	chrII	0.340025	0.000318
F49E12.10	F49E12.10	chrII	0.339967	0.033043
Y22D7AL.15	Y22D7AL.15	chrIII	0.339837	0.002551
Y71G12B.10	Y71G12B.10	chrI	0.339723	0.000161
C50C3.1	C50C3.1	chrIII	0.339711	0.000175
K01B6.3	K01B6.3	chrIII	0.339690	0.023822
Y71H2AM.5	Y71H2AM.5	chrIII	0.339507	0.000095
C34D4.4	C34D4.4	chrIV	0.339490	0.000161
Y54F10AM.2	feh-1	chrIII	0.339484	0.008402
F43E2.2	rpb-4	chrII	0.339332	0.000132
Y53H1A.2	Y53H1A.2	chrI	0.339280	0.000344
Y71G12B.23	Y71G12B.23	chrI	0.339229	0.008170
Y18H1A.7	Y18H1A.7	chrI	0.339197	0.000416
T19C4.5	T19C4.5	chrV	0.339098	0.046119
F28B3.6	F28B3.6	chrI	0.339075	0.000286
R09B3.3	R09B3.3	chrI	0.338929	0.000092
F37H8.3	F37H8.3	chrII	0.338873	0.016657
Y51H7C.1	Y51H7C.1	chrII	0.338766	0.000515
C15C6.1	C15C6.1	chrI	0.338696	0.043491
C46E10.9	C46E10.9	chrII	0.338670	0.010255
VZK822L.1	fat-6	chrIV	0.338370	0.000110
F45H10.2	F45H10.2	chrII	0.338289	0.000151
F25B4.4	F25B4.4	chrV	0.338198	0.000516
C26F1.3	C26F1.3	chrV	0.338178	0.000198
C30H6.8	C30H6.8	chrIV	0.338131	0.000641
K08B5.2	K08B5.2	chrX	0.338064	0.040032
C25H3.14	C25H3.14	chrII	0.338049	0.000767
T21E3.1	egg-4	chrI	0.338041	0.000652
C55A6.12	C55A6.12	chrV	0.337989	0.000884
M60.4	M60.4	chrX	0.337973	0.000236
W04C9.4	W04C9.4	chrI	0.337773	0.000171
F48C1.5	F48C1.5	chrI	0.337595	0.000434
C09H10.10	C09H10.10	chrII	0.337477	0.000316
C09F12.1	clc-1	chrX	0.337323	0.004650
T15B7.2	T15B7.2	chrV	0.337240	0.000127
R09F10.1	R09F10.1	chrX	0.337234	0.000608
C25H3.17	C25H3.17	chrII	0.337092	0.002173
T27F7.1	T27F7.1	chrII	0.337045	0.000165
F36H1.1	fbk-1	chrIV	0.336962	0.000135
T10D4.3	T10D4.3	chrII	0.336947	0.025949
ZK596.1	ZK596.1	chrIV	0.336881	0.000753
T09E8.3	T09E8.3	chrV	0.336809	0.000236
C25E10.9	swm-1	chrV	0.336626	0.001097
ZK637.13	glb-1	chrIII	0.336518	0.000285
T14G10.8	T14G10.8	chrIV	0.336440	0.009767

C42D4.6	skr-16	chrIV	0.336348	0.001207
Y54G11A.14	Y54G11A.14	chrII	0.336127	0.014521
C27A7.8	C27A7.8	chrV	0.336080	0.014401
K12H4.2	K12H4.2	chrIII	0.335988	0.000577
K07A1.13	K07A1.13	chrI	0.335867	0.005644
F07G6.10	F07G6.10	chrX	0.335833	0.015264
Y75B12B.4	bath-36	chrV	0.335806	0.007863
T21C9.13	T21C9.13	chrV	0.335610	0.000141
Y41C4A.10	elb-1	chrIII	0.335596	0.000366
R144.6	R144.6	chrIII	0.335566	0.000468
Y22D7AL.8	sms-3	chrIII	0.335498	0.003913
R11H6.4	R11H6.4	chrV	0.335321	0.017576
F19H6.4	F19H6.4	chrX	0.335154	0.000489
T07C12.14	T07C12.14	0.335150	0.335150	0.000248
F59E12.5	npl-4.2	chrII	0.335129	0.002380
Y65B4A.3	vps-20	chrI	0.335045	0.000223
F13E9.13	F13E9.13	chrIV	0.334980	0.033868
ZK1058.5	ZK1058.5	chrIII	0.334760	0.000645
ZK688.2	ZK688.2	chrIII	0.334742	0.002250
F33D4.1	nhr-8	chrIV	0.334726	0.003631
E04A4.5	E04A4.5	chrIV	0.334617	0.000164
F58A4.6	F58A4.6	chrIII	0.334422	0.001947
Y46G5A.12	vps-2	chrII	0.334316	0.000191
T16G12.8	T16G12.8	chrIII	0.334234	0.000607
F52C6.9	F52C6.9	chrII	0.334046	0.029546
C01A2.4	C01A2.4	chrI	0.334014	0.000361
Y71F9B.3	yop-1	chrI	0.334011	0.000127
C32E8.5	C32E8.5	chrI	0.333901	0.000180
F14B8.4	F14B8.4	chrX	0.333744	0.010490
C17E7.9	C17E7.9	chrV	0.333554	0.000569
C41G7.1	smn-1	chrI	0.333488	0.000273
C18E9.4	C18E9.4	chrII	0.333481	0.000182
T05A6.2	cki-2	chrII	0.333365	0.000237
F40E3.2	F40E3.2	chrI	0.333347	0.000282
F28F8.4	fbxa-95	chrV	0.333292	0.003933
R74.2	R74.2	chrIII	0.333044	0.044157
C28A5.1	C28A5.1	chrIII	0.333025	0.000328
C16A3.5	C16A3.5	chrIII	0.332753	0.000148
H14N18.3	ttr-47	chrV	0.332703	0.000265
ZK177.1	ZK177.1	chrII	0.332653	0.000448
B0336.5	B0336.5	chrIII	0.332302	0.000248
W03F8.4	W03F8.4	chrIV	0.332233	0.000183
C27A2.2	rpl-22	chrII	0.332200	0.000128
F10E7.6	F10E7.6	chrII	0.332030	0.000460
F45C12.7	btb-6	chrII	0.332019	0.000787
ZC239.6	ZC239.6	chrII	0.332012	0.030349
B0495.10	cpna-5	chrII	0.332012	0.008494
K11D2.2	asah-1	chrI	0.331975	0.000247
F09E5.14	F09E5.14	chrII	0.331918	0.018629
F18A1.7	F18A1.7	chrII	0.331906	0.000139
T01E8.2	ref-1	chrII	0.331519	0.001778
F45E1.6	his-71	chrX	0.331457	0.000966
C46E10.8	C46E10.8	chrII	0.331408	0.020490
Y41E3.8	Y41E3.8	chrIV	0.331376	0.001130
F13H10.6	F13H10.6	chrIV	0.331238	0.001559
C29F9.3	C29F9.3	chrIII	0.331099	0.001361
W10D9.5	tomm-22	chrII	0.330919	0.000277
ZK896.6	clcc-187	chrIV	0.330838	0.001344
T23F11.3	cdka-1	chrIII	0.330831	0.020050
ZK1010.10	ZK1010.10	chrIII	0.330818	0.012134
Y57G11C.33	Y57G11C.33	chrIV	0.330732	0.000354
C06A8.3	C06A8.3	chrII	0.330722	0.000141
Y69H2.6	ubc-19	chrV	0.330671	0.015968

ZK829.5	tbx-36	chrIV	0.330618	0.001176
R12C12.6	R12C12.6	chrII	0.330593	0.000328
F40F4.3	lbp-1	chrX	0.330557	0.000182
W09C5.8	W09C5.8	chrI	0.330557	0.000148
Y6G8.3	ztf-25	chrV	0.330466	0.000903
Y79H2A.2	Y79H2A.2	chrIII	0.330289	0.009005
T10C6.10	T10C6.10	chrV	0.330216	0.001791
C16E9.1	C16E9.1	chrX	0.330215	0.036370
F25B4.9	clcc-1	chrV	0.330201	0.000181
F15A4.11	tag-281	chrII	0.330106	0.006920
R09F10.8	R09F10.8	chrX	0.329836	0.000218
Y56A3A.22	Y56A3A.22	chrIII	0.329754	0.000261
R13F6.9	sma-3	chrIII	0.329698	0.011448
M05D6.5	M05D6.5	chrII	0.329697	0.000637
C16C8.12	C16C8.12	chrII	0.329624	0.002821
Y71H2B.1	Y71H2B.1	chrIII	0.329277	0.008334
F52C6.10	bath-7	chrII	0.329181	0.009404
E02C12.13	ttr-49	chrV	0.329092	0.010822
F56H1.7	F56H1.7	chrI	0.329085	0.000265
Y54G11A.11	Y54G11A.11	chrII	0.329058	0.000263
F55G1.11	his-60	chrIV	0.329053	0.029358
C26G2.2	C26G2.2	chrX	0.329016	0.001658
Y45G5AM.5	Y45G5AM.5	chrV	0.328817	0.009034
Y34B4A.6	Y34B4A.6	chrX	0.328745	0.000223
D1054.14	D1054.14	chrV	0.328694	0.000209
T04A8.11	T04A8.11	chrIII	0.328663	0.000358
Y54E2A.3	tac-1	chrII	0.328509	0.000228
C25E10.10	C25E10.10	chrV	0.328363	0.005616
T10H10.3	sav-1	chrX	0.328349	0.002468
F56D5.5	F56D5.5	chrIV	0.328321	0.004060
T21C9.5	lpd-9	chrV	0.328155	0.000248
M01F1.6	M01F1.6	chrIII	0.328098	0.000936
R05H5.3	R05H5.3	chrII	0.328023	0.000174
R144.10	R144.10	chrIII	0.327913	0.000713
M01H9.4	M01H9.4	chrIV	0.327733	0.037824
C16B8.3	C16B8.3	chrX	0.327630	0.000476
F46G10.6	mxl-3	chrX	0.327569	0.000813
F13G3.11	F13G3.11	chrI	0.327475	0.000475
F43D9.5	taf-11.3	chrIII	0.327466	0.007304
R07E5.7	R07E5.7	chrIII	0.327396	0.000249
Y110A2AR.1	Y110A2AR.1	chrII	0.327326	0.000219
C07H6.2	C07H6.2	chrIII	0.327229	0.000338
ZC116.1	ZC116.1	chrV	0.327210	0.002860
F59H6.9	bath-1	chrII	0.327031	0.003552
Y47G6A.9	Y47G6A.9	chrI	0.326873	0.000497
T25D10.4	T25D10.4	chrII	0.326752	0.005972
Y54G2A.23	Y54G2A.23	chrIV	0.326637	0.000220
C44C10.9	C44C10.9	chrX	0.326637	0.001059
F56C9.7	F56C9.7	chrIII	0.326559	0.000281
C25A1.5	C25A1.5	chrI	0.326510	0.000233
Y54G2A.3	Y54G2A.3	chrIV	0.326349	0.000289
F11C1.1	F11C1.1	chrX	0.326344	0.007760
E04A4.7	cyc-2.1	chrIV	0.326236	0.000179
F41C3.4	F41C3.4	chrII	0.326192	0.000509
Y67D2.3	Y67D2.3	chrIII	0.325999	0.000264
Y57A10A.2	Y57A10A.2	chrII	0.325907	0.001366
F26D10.12	clcc-196	chrIV	0.325842	0.001134
ZK652.1	snr-5	chrIII	0.325764	0.000246
ZC262.2	ZC262.2	chrIII	0.325759	0.000309
F18H3.1	F18H3.1	chrX	0.325752	0.002259
C48B6.2	C48B6.2	chrI	0.325722	0.000551
ZK632.13	lin-52	chrIII	0.325689	0.000501
B0280.17	B0280.17	chrIII	0.325630	0.024132

K11D12.12	K11D12.12	chrV	0.325531	0.005540
F36A2.6	rps-15	chrI	0.325471	0.000175
C25A1.13	C25A1.13	chrI	0.325228	0.000501
F54E7.2	rps-12	chrIII	0.325165	0.000179
C50F4.4	C50F4.4	chrV	0.325155	0.002386
Y47D7A.1	skr-7	chrV	0.325142	0.000338
F08G12.3	F08G12.3	chrX	0.325097	0.010177
T12D8.6	T12D8.6	chrIII	0.324846	0.000260
T23B12.3	T23B12.3	chrV	0.324842	0.002812
C05D11.10	C05D11.10	chrIII	0.324719	0.000511
F25H8.5	dur-1	chrIV	0.324696	0.001352
F57B10.5	F57B10.5	chrI	0.324219	0.000314
R07H5.1	prx-14	chrIV	0.324151	0.000348
F23D12.11	F23D12.11	chrX	0.323927	0.000327
F21A3.3	F21A3.3	chrV	0.323856	0.003997
ZK697.6	gst-21	chrV	0.323791	0.049758
F46E10.8	ubh-1	chrV	0.323760	0.003414
F52E1.1	pos-1	chrV	0.323692	0.000191
C16C10.4	C16C10.4	chrIII	0.323615	0.000287
Y32F6A.1	set-22	chrV	0.323413	0.000520
Y57G11B.5	Y57G11B.5	chrIV	0.323241	0.000253
Y37H9A.6	ndx-4	chrI	0.323190	0.001204
T13A10.5	nlp-16	chrIV	0.323190	0.002492
F54E7.7	rcn-1	chrIII	0.322913	0.002573
Y41D4A.3	Y41D4A.3	chrIV	0.322910	0.029041
B0410.3	B0410.3	chrX	0.322588	0.001283
F35D11.5	F35D11.5	chrII	0.322520	0.001267
E02H9.8	nhr-121	chrIII	0.322424	0.012899
D1009.4	nlp-14	chrX	0.322408	0.005218
ZK488.2	nhr-90	chrV	0.322310	0.033202
Y75B8A.3	Y75B8A.3	chrIII	0.322110	0.003611
Y48A6B.9	Y48A6B.9	chrIII	0.322103	0.006626
F39G3.5	F39G3.5	chrV	0.322090	0.030325
M110.3	M110.3	chrII	0.322074	0.000444
F10E9.7	F10E9.7	chrIII	0.322005	0.000490
Y102A5C.36	Y102A5C.36	chrV	0.321969	0.007217
F43G9.5	cfim-1	chrI	0.321866	0.000356
M04B2.5	twk-25	chrIV	0.321833	0.013707
B0496.7	valv-1	chrIV	0.321750	0.025182
Y37H2A.12	Y37H2A.12	chrV	0.321556	0.002131
F11A10.6	F11A10.6	chrIV	0.321535	0.000872
F45E12.5	F45E12.5	chrII	0.321519	0.000468
C48B4.6	C48B4.6	chrIII	0.321474	0.000961
K09E9.1	K09E9.1	chrX	0.321410	0.018608
F16B4.4	F16B4.4	chrV	0.321347	0.000327
F58H1.8	F58H1.8	chrV	0.321130	0.001078
K03H1.7	K03H1.7	chrIII	0.321107	0.000558
F13H8.5	F13H8.5	chrII	0.320893	0.024151
F33A8.5	sdhd-1	chrII	0.320884	0.000336
C34D10.1	C34D10.1	chrX	0.320872	0.002213
T09A5.4	T09A5.4	chrII	0.320871	0.024315
C47G2.3	C47G2.3	chrII	0.320858	0.000609
F16F9.4	F16F9.4	chrX	0.320737	0.006780
C44B12.1	C44B12.1	chrIV	0.320664	0.000224
T03F7.7	T03F7.7	chrV	0.320605	0.004633
D2005.7	D2005.7	chrI	0.320513	0.000560
F37H8.5	F37H8.5	chrII	0.320494	0.000340
B0303.15	B0303.15	chrIII	0.320151	0.000394
Y47G6A.31	Y47G6A.31	chrI	0.320146	0.007423
C09D4.1	C09D4.1	chrI	0.320118	0.002204
F47G9.1	F47G9.1	chrV	0.320040	0.000289
T23F4.2	T23F4.2	chrII	0.319983	0.046097
K08H2.2	K08H2.2	chrX	0.319898	0.045578

T22G5.2	lbp-7	chrV	0.319831	0.004934
B0412.2	daf-7	chrIII	0.319756	0.016398
W02D9.4	W02D9.4	chrI	0.319661	0.001951
R144.11	R144.11	chrIII	0.319509	0.001586
Y39B6A.10	Y39B6A.10	chrV	0.319451	0.000662
B0281.3	B0281.3	chrII	0.319387	0.010257
T07C4.11	T07C4.11	chrIII	0.319020	0.014742
R07E5.11	R07E5.11	chrIII	0.318937	0.001263
T20F10.2	T20F10.2	chrI	0.318937	0.000834
F23C8.4	ubxn-1	chrI	0.318730	0.000326
F21F8.11	F21F8.11	chrV	0.318662	0.005214
F23H11.1	bra-2	chrIII	0.318438	0.000356
B0432.10	B0432.10	chrII	0.318373	0.001084
C18G1.5	hil-4	chrV	0.318360	0.000272
Y74C9A.2	nlp-40	chrI	0.318353	0.000390
Y54G2A.12	Y54G2A.12	chrIV	0.318273	0.000876
C51E3.7	egl-3	chrV	0.318187	0.000467
Y60A3A.19	Y60A3A.19	chrV	0.318143	0.000944
Y55F3AM.5	Y55F3AM.5	chrIV	0.318019	0.002403
Y50D7A.10	Y50D7A.10	chrIII	0.317942	0.001306
W02F12.6	sna-1	chrV	0.317924	0.000481
ZK180.4	sar-1	chrIV	0.317790	0.000302
F11G11.3	gst-6	chrII	0.317783	0.015591
T01B11.2	T01B11.2	chrIV	0.317748	0.000564
C07E3.9	C07E3.9	chrII	0.317659	0.004430
F54F7.3	F54F7.3	chrX	0.317594	0.001962
Y48A6B.5	exos-1	chrIII	0.317580	0.000731
Y57G11C.8	Y57G11C.8	chrIV	0.317472	0.017179
K10B2.3	clcc-88	chrII	0.317064	0.000281
F54F2.8	prx-19	chrIII	0.317027	0.000379
F18G5.6	F18G5.6	chrX	0.316932	0.002787
F53E10.4	irg-3	chrV	0.316731	0.019898
C09E8.3	mlt-10	chrII	0.316696	0.001950
F55A11.1	F55A11.1	chrV	0.316589	0.000344
F56E10.4	rps-27	chrV	0.316416	0.000281
D1086.10	D1086.10	chrV	0.316392	0.000365
C23H3.9	C23H3.9	chrII	0.316317	0.002028
Y54E5B.3	let-49	chrI	0.316293	0.000645
T14B4.3	T14B4.3	chrII	0.316266	0.000547
W07G4.5	W07G4.5	chrV	0.316245	0.001694
R53.5	R53.5	chrII	0.316245	0.000880
T24H10.4	T24H10.4	chrII	0.316225	0.000439
T12B3.4	T12B3.4	chrIV	0.316158	0.000662
T28H10.2	T28H10.2	chrV	0.316102	0.013196
Y58G8A.4	Y58G8A.4	chrV	0.315982	0.008060
B0228.7	B0228.7	chrII	0.315923	0.000838
T09H2.1	cyp-34A4	chrV	0.315831	0.025068
T08A9.9	spp-5	chrX	0.315713	0.000310
T07A9.11	rps-24	chrIV	0.315704	0.000280
H20J04.5	pdf-2	chrII	0.315606	0.000534
ZK1248.19	ZK1248.19	chrII	0.315527	0.004385
Y39B6A.1	Y39B6A.1	chrV	0.315365	0.000301
VC5.2	VC5.2	chrV	0.315280	0.003834
F44G3.6	skr-3	chrV	0.315262	0.002385
T14G10.6	tsp-12	chrIV	0.315243	0.000372
Y48A6B.3	Y48A6B.3	chrIII	0.315241	0.000441
C18E9.1	cal-2	chrII	0.315159	0.030191
D1054.10	D1054.10	chrV	0.314915	0.000308
F31D4.9	F31D4.9	chrV	0.314632	0.000509
F26F12.1	col-140	chrV	0.314524	0.000291
R13A5.3	ttr-32	chrIII	0.314376	0.010422
T23G11.1	T23G11.1	chrI	0.314325	0.022294
H04D03.1	H04D03.1	chrIII	0.314318	0.009347

C08C3.2	bath-15	chrIII	0.314154	0.000988
F52C6.8	bath-4	chrII	0.314025	0.013238
D2005.2	nlp-8	chrI	0.313820	0.011500
K01D12.12	cdr-6	chrV	0.313790	0.000600
F35G12.11	F35G12.11	chrIII	0.313751	0.000659
ZK856.10	ZK856.10	chrV	0.313662	0.001079
Y53G8AR.5	Y53G8AR.5	chrIII	0.313633	0.001574
F28B3.10	F28B3.10	chrI	0.313531	0.000801
C29F9.1	C29F9.1	chrIII	0.313526	0.037982
C08F1.6	C08F1.6	chrII	0.313433	0.003795
Y73B6BL.24	acp-6	chrIV	0.313211	0.000338
F55D10.2	rpl-25.1	chrX	0.313146	0.000381
ZK856.7	ZK856.7	chrV	0.312982	0.001900
F46E10.2	F46E10.2	chrV	0.312933	0.001829
M28.5	M28.5	chrII	0.312802	0.000341
F37H8.1	lir-3	chrII	0.312743	0.022474
F44E2.3	F44E2.3	chrIII	0.312719	0.000672
Y39A1A.7	Y39A1A.7	chrIII	0.312655	0.000626
T01B10.4	nhr-14	chrX	0.312572	0.002437
Y92H12BR.6	set-29	chrI	0.312517	0.001328
T19H12.2	T19H12.2	chrV	0.312515	0.000343
Y47D3A.14	Y47D3A.14	chrIII	0.312510	0.001644
F13D12.3	F13D12.3	chrII	0.312469	0.003054
T07F10.4	bus-19	chrV	0.312294	0.026711
C54E4.5	C54E4.5	chrIV	0.312154	0.008005
C01B12.1	sqt-2	chrII	0.312083	0.035256
C17E7.4	C17E7.4	chrV	0.312070	0.000601
F26A3.7	F26A3.7	chrI	0.312039	0.000831
H12D21.7	H12D21.7	chrV	0.311925	0.001593
T09F3.3	gpd-1	chrII	0.311632	0.001026
JC8.14	ttr-45	chrIV	0.311571	0.000909
K07D4.8	pqn-48	chrII	0.311508	0.006339
F30F8.3	F30F8.3	chrI	0.311466	0.000494
F26F4.8	F26F4.8	chrIII	0.311389	0.002295
F54F2.9	F54F2.9	chrIII	0.311385	0.000791
C47A10.5	ddo-1	chrV	0.311319	0.032148
C01C10.3	acl-12	chrX	0.311301	0.004285
K08E4.3	K08E4.3	chrIV	0.311239	0.002170
C08F8.1	pdf-1	chrIV	0.311160	0.000550
K08C7.6	K08C7.6	chrIV	0.311082	0.011612
ZK593.7	lsm-7	chrIV	0.311014	0.000700
C56G2.15	C56G2.15	chrIII	0.310812	0.003787
F22F4.4	F22F4.4	chrX	0.310752	0.001315
C15C7.1	syx-6	chrX	0.310740	0.007704
K03E5.2	K03E5.2	chrI	0.310717	0.001711
Y43F8C.2	nlp-26	chrV	0.310506	0.010313
F29C12.1	pqn-32	chrII	0.310467	0.020822
F52F12.7	F52F12.7	chrI	0.310435	0.000588
T24C4.5	T24C4.5	chrIII	0.310264	0.000938
H31G24.3	H31G24.3	chrI	0.310257	0.012140
F09E5.8	F09E5.8	chrII	0.310136	0.001061
F41E7.8	cnc-8	chrX	0.309643	0.002090
W02D9.2	W02D9.2	chrI	0.309529	0.000624
C30E1.9	C30E1.9	chrX	0.309512	0.000934
F13A2.4	F13A2.4	chrV	0.309349	0.024960
Y49E10.6	his-72	chrIII	0.309347	0.000443
T10B5.6	knl-3	chrV	0.309179	0.000525
R144.4	wip-1	chrIII	0.309151	0.000570
C27B7.1	spr-2	chrIV	0.309126	0.000458
F52F12.4	lsl-1	chrI	0.309051	0.000596
F46F11.4	ubl-5	chrI	0.309021	0.001369
C03B1.12	lmp-1	chrX	0.308997	0.000464
W01G7.3	rpb-11	chrII	0.308832	0.000855

K11D12.11	K11D12.11	chrV	0.308647	0.045347
C37C3.13	ttr-33	chrV	0.308400	0.019191
C17H12.11	C17H12.11	chrIV	0.308392	0.022829
T20G5.14	T20G5.14	chrIII	0.308309	0.000695
B0035.3	B0035.3	chrIV	0.308152	0.000709
C02D5.2	C02D5.2	chrIII	0.308043	0.022116
C30F12.7	C30F12.7	chrI	0.308013	0.002121
T03F1.2	coq-4	chrI	0.307856	0.003096
K05F6.1	fbxb-49	chrII	0.307793	0.029229
R10E11.2	vha-2	chrIII	0.307744	0.000423
Y51A2D.13	Y51A2D.13	chrV	0.307718	0.001683
ZK546.15	try-1	chrII	0.307687	0.000774
K05B2.2	K05B2.2	chrX	0.307482	0.003242
C46C2.5	C46C2.5	chrIV	0.307480	0.008028
F37H8.2	F37H8.2	chrII	0.307479	0.024614
F23H11.5	F23H11.5	chrIII	0.307459	0.000497
C10B5.3	C10B5.3	chrV	0.307389	0.004819
C14C10.2	C14C10.2	chrV	0.307258	0.006464
F40F12.7	F40F12.7	chrIII	0.307202	0.024304
F35C8.5	F35C8.5	chrX	0.307109	0.002145
B0252.1	B0252.1	chrII	0.306988	0.025539
F41G3.14	exos-8	chrII	0.306802	0.001066
C31G12.1	C31G12.1	chrV	0.306718	0.022037
F54E7.8	F54E7.8	chrIII	0.306632	0.000737
M01D1.3	btb-11	chrII	0.306533	0.010333
H23N18.1	ugt-13	chrV	0.306417	0.002851
F39B2.2	uev-1	chrI	0.306391	0.000588
M02H5.6	nhr-98	chrV	0.306238	0.046739
F21G4.4	F21G4.4	chrX	0.306109	0.008248
Y52B11A.9	Y52B11A.9	chrI	0.306004	0.000752
Y56A3A.18	Y56A3A.18	chrIII	0.305932	0.001141
T23G11.4	T23G11.4	chrI	0.305721	0.001002
ZK863.8	ZK863.8	chrV	0.305625	0.038810
F19B10.1	F19B10.1	chrII	0.305617	0.003903
C34B2.5	C34B2.5	chrI	0.305615	0.001105
F31E8.4	F31E8.4	chrII	0.305475	0.002165
M176.3	chch-3	chrII	0.305374	0.000735
K11H12.1	K11H12.1	chrIV	0.305340	0.003169
R05D7.5	R05D7.5	chrI	0.305339	0.003393
K08D12.3	K08D12.3	chrIV	0.305262	0.000489
Y73F8A.27	Y73F8A.27	chrIV	0.305259	0.001036
Y48G1C.6	Y48G1C.6	chrI	0.304981	0.015534
H35N09.2	H35N09.2	chrX	0.304962	0.047972
F28C6.8	F28C6.8	chrII	0.304900	0.000953
C27B7.8	rap-1	chrIV	0.304860	0.000584
T01B7.4	cyn-11	chrII	0.304790	0.001060
F15D3.7	F15D3.7	chrI	0.304717	0.000709
Y39A1A.21	Y39A1A.21	chrIII	0.304661	0.001544
T01C3.6	rps-16	chrV	0.304507	0.000478
W06A7.2	W06A7.2	chrV	0.304345	0.013872
H35B03.2	H35B03.2	chrIV	0.304262	0.000945
T20G5.4	T20G5.4	chrIII	0.304204	0.021593
C18E3.9	C18E3.9	chrI	0.304171	0.001006
T23H2.5	rab-10	chrI	0.304167	0.000594
F43D2.1	F43D2.1	chrV	0.304138	0.000825
W06D12.2	twk-42	chrV	0.304095	0.024421
C47A4.1	C47A4.1	chrIV	0.304088	0.027640
K07C11.5	cri-2	chrV	0.303826	0.004706
Y37D8A.14	cco-2	chrIII	0.303771	0.000521
C06E2.5	C06E2.5	chrX	0.303697	0.002854
K08E3.10	K08E3.10	chrIII	0.303686	0.002881
W02D9.6	W02D9.6	chrI	0.303644	0.004220
C35A5.6	C35A5.6	chrV	0.303632	0.040998

F11E6.1	F11E6.1	chrIV	0.303474	0.006641
C53H9.1	rpl-27	chrI	0.303457	0.000502
Y51A2D.9	ttr-24	chrV	0.303319	0.000968
C43F9.9	lgc-43	chrIV	0.303259	0.026868
T26A5.9	dlc-1	chrIII	0.303204	0.000544
F15H10.3	apc-10	chrV	0.303192	0.001552
K01G5.10	K01G5.10	chrIII	0.303139	0.017705
F28C10.3	F28C10.3	chrX	0.303069	0.002836
Y41C4A.12	Y41C4A.12	chrIII	0.303026	0.033464
Y56A3A.11	Y56A3A.11	chrIII	0.302705	0.001950
F44E2.9	F44E2.9	chrIII	0.302701	0.003729
K09H9.8	K09H9.8	chrI	0.302697	0.029665
E02H1.5	E02H1.5	chrII	0.302608	0.001365
F57B1.9	F57B1.9	chrV	0.302544	0.043368
Y17G9B.9	Y17G9B.9	chrIV	0.302495	0.000885
B0365.5	clcc-225	chrV	0.302413	0.035433
T10B5.4	T10B5.4	chrV	0.302225	0.039898
C06A5.11	sir-2.4	chrI	0.302187	0.001913
Y65B4BL.3	Y65B4BL.3	chrI	0.302164	0.002403
C54C6.6	C54C6.6	chrIII	0.302103	0.002100
F10A3.4	F10A3.4	chrV	0.302055	0.032963
Y4C6A.3	Y4C6A.3	chrIV	0.302025	0.000947
F52H3.4	F52H3.4	chrII	0.301948	0.001584
F59G1.8	F59G1.8	chrII	0.301943	0.001977
T12D8.4	arrd-17	chrIII	0.301866	0.012568
D1086.11	D1086.11	chrV	0.301825	0.000662
K02A11.4	K02A11.4	chrI	0.301775	0.026847
B0035.4	pdf-4	chrIV	0.301745	0.000849
C41C4.10	sfxn-5	chrII	0.301710	0.004929
C36H8.2	inx-6	chrIV	0.301701	0.036350
F35G12.9	apc-11	chrIII	0.301606	0.001271
F28F8.6	atx-3	chrV	0.301384	0.000988
Y37E11AR.6	vab-2	chrIV	0.301270	0.009111
Y60A3A.8	Y60A3A.8	chrV	0.301143	0.006339
Y106G6H.14	Y106G6H.14	chrI	0.301108	0.001423
ZK688.6	pcp-5	chrIII	0.301071	0.001432
T05A1.2	col-122	chrIV	0.300985	0.000551
Y59A8B.13	slr-2	chrV	0.300961	0.001698
F59H6.12	btb-4	chrII	0.300803	0.022084
C14A4.6	C14A4.6	chrII	0.300782	0.011040
T24B8.1	rpl-32	chrII	0.300747	0.000567
T27D1.1	cyn-9	chrIII	0.300607	0.001083
H06I04.4	ubl-1	chrIII	0.300521	0.000577
ZK520.5	cyn-2	chrIII	0.300514	0.016862
F25B4.8	F25B4.8	chrV	0.300425	0.023874
B0564.2	B0564.2	chrIV	0.300355	0.003348
Y37D8A.18	Y37D8A.18	chrIII	0.300309	0.001961
C06A8.4	skr-17	chrII	0.300245	0.001054
T14G10.3	ttr-53	chrIV	0.300137	0.001027
W10D9.6	W10D9.6	chrII	0.300065	0.004471
F54D8.2	tag-174	chrIII	0.299953	0.000664
C29E4.13	C29E4.13	chrIII	0.299891	0.001816
ZK1010.1	ubq-2	chrIII	0.299839	0.000595
ZK265.6	ZK265.6	chrI	0.299721	0.000948
C48D5.2	ptp-1	chrIII	0.299661	0.002203
C10H11.3	ugt-25	chrI	0.299656	0.007594
F33C8.4	F33C8.4	chrX	0.299348	0.020805
F58A4.10	ubc-7	chrIII	0.299321	0.000667
K07C5.5	ceeh-2	chrV	0.299171	0.013473
Y53C12A.3	Y53C12A.3	chrII	0.299106	0.001242
F14H12.4	cst-1	chrX	0.298963	0.008883
Y37E11AR.1	Y37E11AR.1	chrIV	0.298942	0.020395
W02D7.2	clcc-218	chrV	0.298887	0.000991

C34D4.12	cyn-12	chrIV	0.298864	0.001198
R01B10.1	cpi-2	chrV	0.298826	0.000800
C10G11.8	C10G11.8	chrI	0.298744	0.013702
C53C9.2	C53C9.2	chrX	0.298515	0.001192
M01E11.1	M01E11.1	chrI	0.298439	0.001791
F36F2.1	F36F2.1	chrI	0.298437	0.022735
R12E2.13	R12E2.13	chrI	0.298369	0.000971
T15B7.3	col-143	chrV	0.298344	0.000651
F22E10.5	F22E10.5	chrX	0.298278	0.001153
F53F4.3	F53F4.3	chrV	0.298098	0.001006
F53E10.1	F53E10.1	chrV	0.297902	0.002822
F42A8.3	F42A8.3	chrII	0.297699	0.001306
T06D8.7	T06D8.7	chrII	0.297657	0.001293
C14A4.1	tag-242	chrII	0.297598	0.002203
E03G2.3	mec-5	chrX	0.297589	0.002374
ZK1320.3	ZK1320.3	chrII	0.297510	0.001410
F58E10.7	F58E10.7	chrV	0.297451	0.028049
ZK616.5	ZK616.5	chrIV	0.297428	0.001242
F58A4.3	hcp-3	chrIII	0.297384	0.000911
F07A5.2	F07A5.2	chrI	0.297194	0.037921
K11H3.4	K11H3.4	chrIII	0.297119	0.001879
Y38H6C.1	dct-16	chrV	0.296918	0.000692
F53F10.4	unc-108	chrI	0.296889	0.000795
R08C7.3	htz-1	chrIV	0.296795	0.000709
Y10G11A.1	Y10G11A.1	chrIV	0.296771	0.001073
Y65B4A.2	Y65B4A.2	chrI	0.296757	0.049468
F55H2.1	sod-4	chrIII	0.296695	0.012030
F07H5.5	F07H5.5	chrII	0.296637	0.000716
Y73C8C.8	Y73C8C.8	chrV	0.296519	0.010857
F56C11.5	F56C11.5	chrI	0.296459	0.001894
Y62E10A.12	lsm-3	chrIV	0.296319	0.001546
R11D1.8	rpl-28	chrV	0.296308	0.000726
F44D12.9	F44D12.9	chrIV	0.296283	0.005116
Y54G9A.7	Y54G9A.7	chrII	0.296223	0.001482
Y54F10AR.2	Y54F10AR.2	chrIII	0.295932	0.002169
F18A12.8	F18A12.8	chrII	0.295914	0.022287
T11F9.3	nas-20	chrV	0.295893	0.002515
ZK470.2	ZK470.2	chrX	0.295875	0.001567
C18E9.9	C18E9.9	chrII	0.295579	0.005801
F19F10.5	F19F10.5	chrV	0.295546	0.029579
K04G2.9	K04G2.9	chrI	0.295449	0.005316
T16G1.10	pqn-68	chrV	0.295378	0.010257
R04A9.9	R04A9.9	chrX	0.295377	0.026170
K10B3.9	mai-1	chrX	0.295373	0.012676
F02D8.4	F02D8.4	chrV	0.295347	0.002961
Y41C4A.8	Y41C4A.8	chrIII	0.295318	0.029108
T20D3.2	T20D3.2	chrIV	0.295160	0.000944
B0024.13	B0024.13	chrV	0.295100	0.001364
W02G9.4	W02G9.4	chrV	0.295038	0.005316
F52H2.5	F52H2.5	chrX	0.295007	0.007384
B0564.11	B0564.11	chrIV	0.294927	0.001440
W02D9.5	W02D9.5	chrI	0.294886	0.040643
C34F6.4	hst-2	chrX	0.294848	0.004550
F58A6.1	F58A6.1	chrII	0.294843	0.008594
C35D10.1	C35D10.1	chrIII	0.294742	0.001118
ZC204.2	ZC204.2	chrII	0.294621	0.002422
Y57A10B.3	btb-14	chrII	0.294611	0.005274
Y48G8AL.13	Y48G8AL.13	chrI	0.294569	0.001236
F21C10.9	F21C10.9	chrV	0.294447	0.000926
M88.7	M88.7	chrIII	0.294408	0.001464
Y111B2A.20	hut-1	chrIII	0.294352	0.001370
F08C6.6	apy-1	chrX	0.294010	0.001132
ZK353.9	ZK353.9	chrIII	0.293950	0.001711

T03F6.2	dnj-17	chrIII	0.293867	0.001267
R119.3	R119.3	chrI	0.293849	0.003393
Y71F9AL.5	gst-43	chrI	0.293620	0.021526
C03E10.5	clcc-223	chrV	0.293616	0.001881
T07H6.3	col-166	chrX	0.293580	0.006136
R05G6.4	R05G6.4	chrIV	0.293432	0.002631
R151.6	R151.6	chrIII	0.293383	0.001593
F27D9.2	F27D9.2	chrX	0.293179	0.030528
F21A3.2	F21A3.2	chrV	0.293166	0.011162
K07A1.6	K07A1.6	chrI	0.293108	0.004747
Y66D12A.20	spe-6	chrIII	0.293108	0.043566
C09F5.2	orai-1	chrIII	0.293050	0.002312
E04F6.4	E04F6.4	chrII	0.292852	0.025843
R144.9	mdt-11	chrIII	0.292581	0.002278
Y116A8C.42	snr-1	chrIV	0.292577	0.000970
W09C5.6	rpl-31	chrI	0.292573	0.000829
F01G4.5	F01G4.5	chrIV	0.292363	0.003877
T13B5.3	pho-14	chrII	0.292363	0.001791
T07C12.9	T07C12.9	chrV	0.292347	0.006481
T28D9.2	rsp-5	chrII	0.292281	0.001139
ZK1128.7	ZK1128.7	chrIII	0.292219	0.033821
Y73B6BL.32	lsm-8	chrIV	0.292126	0.001376
F01D4.4	egl-21	chrIV	0.292081	0.001616
F31F6.2	F31F6.2	chrX	0.292033	0.007937
F35H12.5	F35H12.5	chrX	0.291824	0.020360
ZK1098.5	ZK1098.5	chrIII	0.291726	0.002373
K12H4.4	K12H4.4	chrIII	0.291667	0.001263
C50E3.13	C50E3.13	chrV	0.291379	0.001933
D1086.1	D1086.1	chrV	0.291218	0.044527
B0304.2	B0304.2	chrII	0.291008	0.001845
F26H11.5	exl-1	chrII	0.290990	0.002544
C48B4.10	C48B4.10	chrIII	0.290975	0.002100
C25G4.6	C25G4.6	chrIV	0.290974	0.026868
T07F12.2	T07F12.2	chrX	0.290967	0.002751
E01G6.2	E01G6.2	chrX	0.290926	0.048819
R12C12.9	R12C12.9	chrII	0.290898	0.007443
F11E6.3	F11E6.3	chrIV	0.290630	0.001042
T23D8.6	his-68	chrI	0.290604	0.015247
Y48C3A.10	Y48C3A.10	chrII	0.290596	0.001915
C25A1.1	C25A1.1	chrI	0.290593	0.001525
Y53F4B.33	gst-39	chrII	0.290498	0.014039
K06H7.9	idi-1	chrIII	0.290479	0.001761
F26F4.11	rpb-8	chrIII	0.290477	0.001309
K07H8.9	K07H8.9	chrIV	0.290296	0.002679
K08B12.3	K08B12.3	chrV	0.290246	0.022634
F53C11.3	F53C11.3	chrV	0.290182	0.001352
H01M10.3	ttr-42	chrX	0.290149	0.002566
Y54G2A.45	Y54G2A.45	chrIV	0.290071	0.005798
T24C2.2	T24C2.2	chrX	0.290056	0.018719
F48D6.4	F48D6.4	chrX	0.289975	0.001523
F52A8.5	F52A8.5	chrI	0.289774	0.001624
E02H1.6	E02H1.6	chrII	0.289630	0.003584
F28B3.5	F28B3.5	chrI	0.289388	0.001437
F32D8.12	F32D8.12	chrV	0.289316	0.001379
Y66D12A.21	Y66D12A.21	chrIII	0.289179	0.002684
C33H5.15	sgo-1	chrIV	0.289173	0.001602
C41G11.1	C41G11.1	chrX	0.289043	0.006018
F16H11.3	F16H11.3	chrX	0.288774	0.002674
D2063.1	D2063.1	chrV	0.288749	0.020590
Y73B6BL.27	Y73B6BL.27	chrIV	0.288744	0.006825
B0302.5	B0302.5	chrX	0.288720	0.007794
F26E4.6	F26E4.6	chrI	0.288432	0.001174
W02D3.7	lbp-5	chrI	0.288338	0.004747

D1022.4	D1022.4	chrII	0.288304	0.003842
F08B6.3	F08B6.3	chrI	0.288215	0.006825
Y66D12A.8	Y66D12A.8	chrIII	0.288182	0.001556
ZK858.3	clec-91	chrI	0.288177	0.001126
K09D9.12	K09D9.12	chrV	0.288146	0.016238
R04B5.4	nhr-12	chrV	0.288133	0.004933
Y73B6BL.3	exos-2	chrIV	0.288040	0.002151
C54D10.3	C54D10.3	chrV	0.288001	0.002566
F40F9.2	tag-120	chrV	0.287966	0.010052
C29F7.5	fkf-4	chrX	0.287960	0.006926
ZC262.8	ZC262.8	chrIII	0.287828	0.002274
T12D8.2	drr-2	chrIII	0.287825	0.001268
Y48G8AL.14	aps-3	chrI	0.287813	0.001894
Y23H5A.1	Y23H5A.1	chrI	0.287732	0.020287
F46C5.8	rer-1	chrII	0.287656	0.001595
B0361.9	B0361.9	chrIII	0.287594	0.004277
Y17G9B.4	Y17G9B.4	chrIV	0.287479	0.011795
F56H11.4	elo-1	chrIV	0.287425	0.001093
C33F10.14	C33F10.14	chrII	0.287408	0.002482
ZK418.8	ZK418.8	chrIII	0.287386	0.002364
R11E3.2	R11E3.2	chrIV	0.287355	0.038023
Y65A5A.1	Y65A5A.1	chrIV	0.287320	0.010444
R11D1.9	R11D1.9	chrV	0.286932	0.004720
C34C12.7	C34C12.7	chrIII	0.286749	0.026963
F32E10.2	F32E10.2	chrIV	0.286721	0.001696
M01D1.8	fbxb-41	chrII	0.286651	0.026034
T11F8.1	T11F8.1	chrIV	0.286616	0.004822
Y44A6E.1	pbo-5	chrV	0.286546	0.042929
F38A6.5	F38A6.5	chrV	0.286536	0.036241
F35B12.9	F35B12.9	chrV	0.286449	0.011114
B0414.3	hil-5	chrI	0.286378	0.001176
C52E12.6	C52E12.6	chrII	0.286191	0.038184
T06C10.4	flp-10	chrIV	0.285947	0.013573
F42A10.6	F42A10.6	chrIII	0.285896	0.002626
T15H9.2	T15H9.2	chrII	0.285775	0.003033
B0222.6	col-144	chrV	0.285762	0.015776
R13A5.9	R13A5.9	chrIII	0.285746	0.036506
F13G3.4	dylt-1	chrI	0.285745	0.001631
F11E6.5	elo-2	chrIV	0.285735	0.001318
ZC434.4	ZC434.4	chrI	0.285707	0.001752
ZC64.2	ttr-48	chrX	0.285706	0.003889
C42C1.15	erl-1	chrIV	0.285622	0.002977
Y73F4A.1	Y73F4A.1	chrIV	0.285576	0.011810
Y39B6A.37	Y39B6A.37	chrV	0.285566	0.002072
K08D10.4	rnp-2	chrIV	0.285453	0.002387
Y34B4A.3	hst-6	chrX	0.285407	0.005579
T14G11.1	T14G11.1	chrX	0.285194	0.010743
C09G5.4	col-39	chrII	0.285169	0.002436
C41G7.3	C41G7.3	chrI	0.285091	0.001605
F09B9.4	F09B9.4	chrX	0.285090	0.006920
C25G4.2	C25G4.2	chrIV	0.285032	0.003370
F43E2.1	F43E2.1	chrII	0.284984	0.003791
ZK637.2	ZK637.2	chrIII	0.284946	0.001777
F26D11.1	F26D11.1	chrV	0.284898	0.015147
W05E7.1	grd-3	chrIV	0.284743	0.001616
T07A9.1	pqbp-1.2	chrIV	0.284542	0.037501
K12H6.2	K12H6.2	chrII	0.284506	0.019276
K02F2.4	ulp-5	chrI	0.284382	0.005290
W03F8.1	tni-4	chrIV	0.284309	0.002278
K10B2.4	K10B2.4	chrII	0.284272	0.002789
R01H2.6	ubc-18	chrIII	0.284167	0.001392
C45G3.3	gip-2	chrI	0.284157	0.004493
W06A7.4	W06A7.4	chrV	0.284110	0.010632

F52C9.7	F52C9.7	chrIII	0.284052	0.001508
F40F8.1	F40F8.1	chrII	0.284032	0.001689
C06H2.7	C06H2.7	chrV	0.283781	0.003175
Y51A2D.10	ttr-25	chrV	0.283681	0.005107
R186.7	R186.7	chrV	0.283346	0.001738
C07G1.8	glrx-22	chrIV	0.283311	0.003124
Y47D7A.14	Y47D7A.14	chrV	0.283261	0.002967
C17E7.12	C17E7.12	chrV	0.282964	0.005954
F13B9.8	fis-2	chrX	0.282925	0.004024
ZK512.7	ZK512.7	chrIII	0.282750	0.002100
ZK1320.7	ZK1320.7	chrII	0.282582	0.003711
Y54G2A.50	Y54G2A.50	chrIV	0.282562	0.005844
Y34B4A.4	Y34B4A.4	chrX	0.282342	0.029703
T05H4.11	T05H4.11	chrV	0.282285	0.001738
T14G10.4	ttr-54	chrIV	0.282153	0.041714
T27A3.6	T27A3.6	chrI	0.282140	0.003528
C04F12.4	rpl-14	chrI	0.282107	0.001313
T07C12.7	ttr-46	chrV	0.282083	0.001841
ZK892.2	nlt-1	chrII	0.281971	0.002953
VF39H2L.1	syx-17	chrI	0.281898	0.003459
F42G10.1	F42G10.1	chrX	0.281891	0.004576
Y105C5B.9	Y105C5B.9	chrIV	0.281836	0.018549
EEED8.4	EEED8.4	chrII	0.281834	0.025347
F52E1.14	F52E1.14	chrV	0.281663	0.002276
ZK1236.5	ZK1236.5	chrIII	0.281580	0.011404
K10B3.1	K10B3.1	chrX	0.281333	0.017808
C01G5.5	C01G5.5	chrIV	0.281121	0.004213
C44B12.5	C44B12.5	chrIV	0.281085	0.001375
PAR2.1	mtss-1	chrIII	0.280694	0.002000
E02H1.8	E02H1.8	chrII	0.280599	0.005301
C49F5.7	C49F5.7	chrX	0.280591	0.003101
C06G8.2	pept-2	chrIV	0.280506	0.007915
Y43F11A.6	Y43F11A.6	chrII	0.280472	0.005305
C26D10.3	C26D10.3	chrII	0.280471	0.029447
ZK1128.4	ZK1128.4	chrIII	0.280463	0.002694
F59A3.4	F59A3.4	chrI	0.280416	0.001945
Y51B9A.4	arrd-2	chrII	0.280324	0.008966
F23B2.6	aly-2	chrIV	0.280289	0.001555
C45G9.7	C45G9.7	chrIII	0.280222	0.016870
F54B11.6	bra-1	chrX	0.280074	0.010749
C05D2.11	C05D2.11	chrIII	0.279962	0.012843
Y53G8B.1	Y53G8B.1	chrIII	0.279858	0.036153
T27F6.7	T27F6.7	chrI	0.279811	0.003612
F38B2.1	ifa-1	chrX	0.279692	0.002484
F32A5.9	F32A5.9	chrII	0.279625	0.028425
Y73B3A.1	Y73B3A.1	chrX	0.279616	0.003161
F42C5.7	grl-4	chrIV	0.279585	0.004112
C09B7.2	C09B7.2	chrX	0.279572	0.014706
F10G7.3	unc-85	chrII	0.279531	0.001905
W02D9.10	W02D9.10	chrI	0.279503	0.029437
ZK353.7	cutc-1	chrIII	0.279481	0.002085
F48E3.4	F48E3.4	chrX	0.279415	0.001796
C18D11.1	C18D11.1	chrIII	0.279306	0.007289
ZK1236.7	ZK1236.7	chrIII	0.279300	0.001968
F19H6.1	nekl-3	chrX	0.279206	0.027876
ZK863.6	dpy-30	chrV	0.279174	0.001814
C16C10.10	glod-4	chrIII	0.279162	0.003349
ZK637.9	tpk-1	chrIII	0.279127	0.039686
F35C5.5	clec-62	chrII	0.279100	0.009255
F36D1.1	F36D1.1	chrI	0.279034	0.017206
Y18D10A.20	pfn-1	chrI	0.279018	0.001591
Y102A5C.2	Y102A5C.2	chrV	0.278928	0.013133
Y54G2A.39	clec-80	chrIV	0.278860	0.027124

C53C7.5	C53C7.5	chrX	0.278791	0.011903
H03A11.2	H03A11.2	chrX	0.278725	0.028450
F23C8.6	F23C8.6	chrI	0.278600	0.002110
F22B5.10	F22B5.10	chrII	0.278554	0.002100
F08D12.3	F08D12.3	chrII	0.278540	0.019699
Y34D9A.11	spp-23	chrI	0.278416	0.005238
T09B9.1	T09B9.1	chrX	0.278390	0.003137
T06D8.9	T06D8.9	chrII	0.278338	0.001966
C10H11.10	kca-1	chrI	0.278303	0.002011
C02D5.4	C02D5.4	chrIII	0.278192	0.003464
K01G5.2	hpl-2	chrIII	0.278169	0.002250
H20E11.1	H20E11.1	chrIV	0.278122	0.026107
Y116A8C.28	bca-2	chrIV	0.278048	0.003274
C16C8.14	C16C8.14	chrII	0.278019	0.015116
F46B6.12	F46B6.12	chrV	0.277863	0.003504
F11C1.2	mff-1	chrX	0.277854	0.014523
F44F1.4	F44F1.4	chrI	0.277845	0.018627
ZK265.9	ZK265.9	chrI	0.277738	0.002515
D1054.11	D1054.11	chrV	0.277731	0.001638
T05D4.4	osm-7	chrIII	0.277640	0.006476
F17E9.4	F17E9.4	chrIV	0.277498	0.002775
F10E7.5	F10E7.5	chrII	0.277413	0.001986
C08B11.9	C08B11.9	chrII	0.277412	0.003179
C01C10.2	C01C10.2	chrX	0.277223	0.026298
F39H12.3	F39H12.3	chrX	0.277171	0.010717
Y69A2AL.2	Y69A2AL.2	chrIV	0.276958	0.019119
T23B12.7	dnj-22	chrV	0.276834	0.002272
F59H5.3	F59H5.3	chrII	0.276810	0.044309
D1086.8	D1086.8	chrV	0.276793	0.025823
T26C5.1	gst-13	chrII	0.276648	0.004261
C18B12.4	C18B12.4	chrX	0.276611	0.003530
F28A12.4	F28A12.4	chrV	0.276599	0.001841
C16E9.2	C16E9.2	chrX	0.276549	0.006476
F22D6.4	nduf-6	chrI	0.276496	0.002639
F48E3.2	F48E3.2	chrX	0.276204	0.003810
C44C10.1	col-180	chrX	0.275944	0.015195
Y59E9AL.7	nbet-1	chrIV	0.275909	0.003077
Y71H2AR.1	Y71H2AR.1	chrIII	0.275791	0.003146
F02E9.5	F02E9.5	chrI	0.275715	0.004958
C13C4.4	C13C4.4	chrV	0.275628	0.027729
R08B4.3	R08B4.3	chrX	0.275384	0.018544
C49H3.4	C49H3.4	chrIV	0.275237	0.009974
W02A2.2	far-6	chrIV	0.274744	0.003105
Y45F10D.4	Y45F10D.4	chrIV	0.274335	0.003065
Y87G2A.10	vps-28	chrI	0.274324	0.002940
T13C5.5	bca-1	chrX	0.274316	0.004234
K04F1.9	K04F1.9	chrV	0.274166	0.026176
F36F2.2	F36F2.2	chrI	0.274106	0.027996
C01G8.1	C01G8.1	chrI	0.274055	0.001981
ZK1128.8	vps-29	chrIII	0.274043	0.002943
Y14H12B.1	Y14H12B.1	chrII	0.273993	0.002552
C13F10.5	C13F10.5	chrV	0.273867	0.004410
K02D7.1	K02D7.1	chrIV	0.273780	0.003081
F21C3.5	pdf-6	chrI	0.273766	0.002766
H20J04.6	H20J04.6	chrII	0.273649	0.005802
F20G2.2	F20G2.2	chrV	0.273638	0.004265
F33H1.3	F33H1.3	chrII	0.273543	0.002393
K01A11.1	K01A11.1	chrIII	0.273407	0.036735
C43E11.7	ndx-7	chrI	0.273314	0.004678
C15C6.4	C15C6.4	chrI	0.273249	0.005256
F11G11.2	gst-7	chrII	0.273238	0.002279
EEED8.8	ndx-6	chrII	0.273139	0.008266
B0432.3	mrpl-41	chrII	0.273086	0.004142

F39H11.1	F39H11.1	chrI	0.273077	0.003208
T12G3.7	T12G3.7	chrIV	0.273003	0.002888
F59F4.2	F59F4.2	chrX	0.272839	0.002448
Y106G6A.5	Y106G6A.5	chrI	0.272766	0.003024
F45G2.7	F45G2.7	chrIII	0.272736	0.015601
B0041.3	B0041.3	chrI	0.272573	0.024421
C27F2.5	vps-22	chrIII	0.272573	0.003293
K10H10.2	K10H10.2	chrII	0.272491	0.003466
R07E5.2	prdx-3	chrIII	0.272447	0.002360
F32H5.3	F32H5.3	chrV	0.272443	0.012134
C07A9.2	C07A9.2	chrIII	0.272443	0.003031
Y43F8C.7	Y43F8C.7	chrV	0.272392	0.003294
F25H5.6	F25H5.6	chrI	0.272368	0.005832
R07B1.4	gst-36	chrX	0.272210	0.004196
W06D11.3	W06D11.3	chrX	0.272182	0.006076
C06H2.1	atp-5	chrV	0.271956	0.002105
Y55F3AM.1	Y55F3AM.1	chrIV	0.271946	0.004240
Y17G9B.5	Y17G9B.5	chrIV	0.271916	0.003444
C08A9.10	C08A9.10	chrX	0.271663	0.007647
K07E8.7	K07E8.7	chrII	0.271598	0.005698
B0001.1	lin-24	chrIV	0.271527	0.003171
T05E12.6	T05E12.6	chrV	0.271460	0.002574
MTCE.16	MTCE.16	chrM	0.271341	0.004328
C06A1.5	rpb-6	chrII	0.271169	0.002595
C24F3.6	col-124	chrIV	0.271103	0.002069
W01B11.5	pqn-72	chrI	0.271003	0.045999
C17G1.6	nas-37	chrX	0.270880	0.007539
B0432.2	djr-1.1	chrII	0.270788	0.003195
T07C4.7	mev-1	chrIII	0.270721	0.002720
F07C4.7	grsp-4	chrV	0.270716	0.006116
T20G5.11	rde-4	chrIII	0.270602	0.002557
F41H10.8	elo-6	chrIV	0.270453	0.002308
Y39B6A.34	Y39B6A.34	chrV	0.270365	0.010052
T01B7.3	rab-21	chrII	0.270161	0.004550
Y71H2B.6	mdt-19	chrIII	0.270143	0.003543
C15C8.4	C15C8.4	chrV	0.269943	0.003279
T23F2.5	T23F2.5	chrX	0.269692	0.002994
T24H7.3	T24H7.3	chrII	0.269668	0.003842
D1046.3	D1046.3	chrIV	0.269605	0.005540
H24K24.5	fmo-5	chrV	0.269509	0.007293
F41E6.2	grd-5	chrV	0.269348	0.002987
C26B2.7	C26B2.7	chrIV	0.269296	0.006024
F53F1.3	F53F1.3	chrV	0.269156	0.008076
T04A8.5	T04A8.5	chrIII	0.269076	0.011081
F19C7.1	F19C7.1	chrIV	0.269052	0.002853
T19H5.4	T19H5.4	chrII	0.268889	0.004141
R07G3.2	lips-17	chrII	0.268878	0.041734
F36D4.2	F36D4.2	chrV	0.268839	0.007045
F47F2.1	F47F2.1	chrX	0.268823	0.036677
C03H5.1	clec-10	chrII	0.268810	0.010257
C45E5.1	C45E5.1	chrIV	0.268700	0.009057
M02F4.3	M02F4.3	chrX	0.268482	0.021532
C06E7.2	C06E7.2	chrIV	0.268261	0.027019
Y43F8C.8	Y43F8C.8	chrV	0.268069	0.007050
F58F12.1	F58F12.1	chrII	0.268055	0.002613
Y63D3A.8	Y63D3A.8	chrI	0.267989	0.004739
W02A11.2	vps-25	chrI	0.267960	0.005158
Y73E7A.1	Y73E7A.1	chrI	0.267689	0.003795
F53F8.3	F53F8.3	chrV	0.267625	0.003705
Y95D11A.1	Y95D11A.1	chrI	0.267584	0.007422
E04A4.8	rpl-20	chrIV	0.267556	0.002428
Y53G8AR.7	Y53G8AR.7	chrIII	0.267315	0.025494
C49C8.5	C49C8.5	chrIV	0.267302	0.007215

Y51H1A.1	Y51H1A.1	chrII	0.267010	0.005772
F21C10.10	F21C10.10	chrV	0.266861	0.009837
ZC262.3	ZC262.3	chrIII	0.266696	0.003577
C30C11.1	C30C11.1	chrIII	0.266565	0.005116
F46F11.8	F46F11.8	chrI	0.266538	0.004218
ZK1248.11	ZK1248.11	chrII	0.266453	0.004758
Y37D8A.6	Y37D8A.6	chrIII	0.266450	0.021690
Y71H9A.3	sto-4	chrX	0.266330	0.008086
F57B10.8	F57B10.8	chrI	0.266313	0.005579
F31C3.9	rrn-3.1	chrI	0.266120	0.002512
F38E1.7	mom-2	chrV	0.266082	0.002808
F55A12.10	F55A12.10	chrI	0.265956	0.009776
F56A3.2	slx-1	chrI	0.265916	0.003815
Y110A7A.11	use-1	chrI	0.265578	0.006940
F53A9.1	F53A9.1	chrX	0.265549	0.036387
F49D11.9	tag-296	chrI	0.265378	0.004240
F09E8.2	F09E8.2	chrIV	0.265326	0.004280
C09H10.5	C09H10.5	chrII	0.265205	0.004972
T24D1.3	T24D1.3	chrI	0.265080	0.003206
Y37D8A.2	Y37D8A.2	chrIII	0.265009	0.003238
Y57G11C.13	arl-8	chrIV	0.264947	0.003137
T01E8.6	T01E8.6	chrII	0.264699	0.004011
Y17G7A.1	hmg-12	chrII	0.264584	0.002968
D2013.10	tag-175	chrII	0.264575	0.010120
K02B12.2	K02B12.2	chrI	0.264531	0.015115
T14B4.2	T14B4.2	chrII	0.264392	0.008566
C31E10.8	tbc-19	chrX	0.264380	0.031709
D2096.7	D2096.7	chrIV	0.264344	0.004961
W09G12.1	dsl-2	chrIV	0.264183	0.009828
R04D3.3	R04D3.3	chrX	0.264169	0.003288
F59B2.7	rab-6.1	chrIII	0.264109	0.003983
F54F2.7	F54F2.7	chrIII	0.264089	0.033052
R01B10.6	R01B10.6	chrV	0.264012	0.005297
W05H12.1	W05H12.1	chrI	0.264001	0.041471
Y62E10A.5	agt-1	chrIV	0.263921	0.008340
3R5.1	pot-3	chrIII	0.263896	0.019533
F31C3.10	rrn-3.56	chrI	0.263772	0.014837
ZC412.3	ZC412.3	chrV	0.263770	0.015271
C37H5.3	C37H5.3	chrV	0.263741	0.021295
C30F12.4	C30F12.4	chrI	0.263575	0.003887
C23H5.8	C23H5.8	chrIV	0.263565	0.003918
B0303.11	B0303.11	chrIII	0.263518	0.009386
F35C11.5	F35C11.5	chrII	0.263297	0.003462
C23G10.2	C23G10.2	chrIII	0.263052	0.004141
F35B12.7	nlp-24	chrV	0.262937	0.004497
C27A12.10	mbd-2	chrI	0.262846	0.005146
F38E1.9	F38E1.9	chrV	0.262654	0.004550
Y47H9C.7	Y47H9C.7	chrI	0.262585	0.005106
Y105C5B.20	Y105C5B.20	chrIV	0.262460	0.033614
Y105C5A.8	Y105C5A.8	chrIV	0.262328	0.010401
D1007.6	rps-10	chrI	0.262274	0.002998
ZK973.9	ZK973.9	chrI	0.262255	0.004495
Y57G11A.4	Y57G11A.4	chrIV	0.262047	0.022490
T12A7.2	T12A7.2	chrIV	0.262046	0.048910
H41C03.3	H41C03.3	chrII	0.261995	0.027611
R01B10.4	R01B10.4	chrV	0.261935	0.028173
F25H9.6	F25H9.6	chrV	0.261826	0.007734
B0464.7	baf-1	chrIII	0.261736	0.003902
Y54E10A.17	Y54E10A.17	chrI	0.261697	0.007037
Y53C10A.6	Y53C10A.6	chrI	0.261652	0.004797
C48E7.3	lpd-2	chrI	0.261639	0.004946
F37C12.2	epg-4	chrIII	0.261638	0.004333
W05B5.1	W05B5.1	chrI	0.261524	0.008503

W09B6.3	eri-3	chrII	0.261253	0.005637
C56E10.4	nhr-137	chrX	0.261250	0.041002
Y119D3B.15	dss-1	chrIII	0.261214	0.003902
MTCE.21	ctb-1	chrM	0.261089	0.003137
R07B7.3	pqn-53	chrV	0.260912	0.003678
F14B6.1	sdz-14	chrI	0.260903	0.046667
F44E2.10	F44E2.10	chrIII	0.260875	0.005892
W10G11.16	lgc-45	chrII	0.260832	0.038393
Y41C4A.16	col-95	chrIII	0.260824	0.003911
Y67H2A.5	Y67H2A.5	chrIV	0.260818	0.003393
Y54F10AM.5	Y54F10AM.5	chrIII	0.260774	0.004156
C31H2.4	C31H2.4	chrX	0.260680	0.036626
W06D12.3	fat-5	chrV	0.260674	0.004703
F55A12.4	dhs-2	chrI	0.260648	0.010293
Y54E10BL.5	nduf-5	chrI	0.260580	0.004240
C05D9.7	C05D9.7	chrX	0.260510	0.010746
Y37E11AL.3	Y37E11AL.3	chrIV	0.260489	0.004069
R06C1.4	R06C1.4	chrI	0.260377	0.003913
F26E4.9	cco-1	chrI	0.260290	0.003490
T08B2.8	T08B2.8	chrI	0.260193	0.006112
F28C6.7	rpl-26	chrII	0.260041	0.003292
F18F11.1	F18F11.1	chrIV	0.259987	0.019240
C16H3.2	lec-9	chrX	0.259973	0.005316
Y47D9A.2	scpl-3	chrI	0.259914	0.008502
F46F11.7	F46F11.7	chrI	0.259495	0.031557
W03F9.5	ttb-1	chrV	0.259395	0.005062
F36H9.3	dhs-13	chrV	0.259268	0.004413
C52E4.6	cyl-1	chrV	0.259245	0.004116
F49E8.4	cdd-2	chrIV	0.259236	0.006146
F02E9.7	F02E9.7	chrI	0.259215	0.005717
ZK856.8	ZK856.8	chrV	0.259157	0.004992
F53A3.3	rps-22	chrIII	0.259075	0.003425
C30B5.2	C30B5.2	chrII	0.259064	0.004406
W02D3.5	lbp-6	chrI	0.259030	0.003711
Y52B11C.1	Y52B11C.1	chrI	0.258952	0.009703
ZC395.2	clk-1	chrIII	0.258921	0.008675
Y71F9B.16	dnj-30	chrI	0.258886	0.005554
Y46E12BL.3	spsb-2	chrII	0.258821	0.004610
Y18D10A.8	Y18D10A.8	chrI	0.258607	0.012833
C33H5.12	rsp-6	chrIV	0.258584	0.003965
F13G11.1	dmd-6	chrIV	0.258517	0.005675
F57C9.1	F57C9.1	chrI	0.258466	0.006088
K08H2.6	hpl-1	chrX	0.258354	0.033052
Y45F10C.4	Y45F10C.4	chrIV	0.258322	0.007761
Y48B6A.13	Y48B6A.13	chrII	0.258190	0.008010
C35D10.10	C35D10.10	chrIII	0.257909	0.005064
C48B4.11	C48B4.11	chrIII	0.257904	0.005417
R08E5.1	R08E5.1	chrV	0.257878	0.043003
Y17D7C.3	Y17D7C.3	chrV	0.257867	0.019817
F46A9.4	skr-2	chrI	0.257765	0.004148
F56B3.8	F56B3.8	chrIV	0.257755	0.007467
F44A2.5	F44A2.5	chrV	0.257680	0.034189
T28A8.5	T28A8.5	chrIII	0.257485	0.013843
F41E6.15	F41E6.15	chrV	0.257268	0.024356
C44E4.6	acbp-1	chrI	0.257242	0.004333
F47G9.4	F47G9.4	chrV	0.257202	0.038138
B0495.8	B0495.8	chrII	0.257169	0.005029
C01G6.4	C01G6.4	chrII	0.257130	0.006676
H12C20.6	nhr-101	chrV	0.257075	0.019981
F45H11.2	ned-8	chrI	0.257022	0.004958
Y67A10A.4	fbxa-83	chrIV	0.257007	0.036528
F35G2.1	F35G2.1	chrIV	0.256790	0.004165
ZK637.6	ZK637.6	chrIII	0.256756	0.009734

F15B9.1	far-3	chrV	0.256748	0.006163
T19B10.6	T19B10.6	chrV	0.256665	0.004493
F54D5.2	F54D5.2	chrII	0.256613	0.006452
Y51F10.4	Y51F10.4	chrI	0.256584	0.005970
C47E8.4	C47E8.4	chrV	0.256476	0.005477
M88.2	M88.2	chrIII	0.256444	0.006959
ZK1236.6	pqn-96	chrIII	0.256184	0.007573
ZK1127.3	ZK1127.3	chrII	0.256165	0.006431
F40F9.9	aqp-4	chrV	0.255588	0.032855
F08F3.4	F08F3.4	chrV	0.255561	0.005973
Y61A9LA.11	Y61A9LA.11	chrV	0.255544	0.010146
T07G12.8	T07G12.8	chrIV	0.255520	0.048691
Y97E10AR.3	Y97E10AR.3	chrV	0.255440	0.006936
R107.5	R107.5	chrIII	0.255428	0.004871
Y39A1A.11	dhs-11	chrIII	0.255361	0.011807
Y105E8B.1	lev-11	chrI	0.255226	0.003986
W01B11.6	W01B11.6	chrI	0.255221	0.013473
F32D8.9	spp-16	chrV	0.255149	0.038856
Y41D4B.13	ced-2	chrIV	0.255112	0.005540
Y51H4A.15	Y51H4A.15	chrIV	0.255093	0.007483
T04H1.5	T04H1.5	chrV	0.255091	0.007633
Y66H1A.3	tag-313	chrIV	0.254969	0.015662
Y60A3A.18	skr-4	chrV	0.254961	0.029071
AC3.2	ugt-49	chrV	0.254945	0.023378
T24E12.11	T24E12.11	chrII	0.254920	0.036149
ZK154.4	ZK154.4	chrX	0.254825	0.018549
D1054.1	D1054.1	chrV	0.254760	0.018139
K02F3.4	zip-2	chrIII	0.254741	0.004998
M163.1	M163.1	chrX	0.254548	0.010395
Y39A1A.8	Y39A1A.8	chrIII	0.254403	0.036245
cTel55X.1	cTel55X.1	chrX	0.254322	0.008313
Y105C5B.13	skr-10	chrIV	0.254250	0.014842
Y54G11A.7	Y54G11A.7	chrII	0.254237	0.013097
F56A8.9	F56A8.9	chrIII	0.254005	0.043566
T04A8.9	dnj-18	chrIII	0.253954	0.010641
R144.3	R144.3	chrIII	0.253852	0.009847
C34F6.3	col-179	chrX	0.253750	0.004513
Y39B6A.21	Y39B6A.21	chrV	0.253739	0.009605
B0464.8	tag-342	chrIII	0.253636	0.006313
F55H12.6	ztf-26	chrI	0.253609	0.048982
W08F4.3	W08F4.3	chrII	0.253591	0.004758
ZK228.4	ZK228.4	chrV	0.253325	0.014568
F58G6.7	F58G6.7	chrIV	0.253193	0.027884
F37C12.9	rps-14	chrIII	0.253172	0.004261
F17A9.6	ceh-49	chrV	0.253123	0.009414
R09B5.8	cnc-3	chrV	0.253035	0.030751
F52B11.6	ins-34	chrIV	0.252983	0.048753
Y54E5A.5	Y54E5A.5	chrI	0.252946	0.006088
F21C3.3	hint-1	chrI	0.252879	0.006463
F35H10.6	F35H10.6	chrIV	0.252551	0.012529
F25H2.7	F25H2.7	chrI	0.252528	0.012709
F10E9.3	F10E9.3	chrIII	0.252523	0.006183
Y40G12A.2	ubh-2	chrV	0.252466	0.011448
F14B6.3	F14B6.3	chrI	0.252463	0.023516
D2023.4	D2023.4	chrV	0.252457	0.011689
T19B10.1	cyp-29A2	chrV	0.252409	0.008063
Y40B10A.1	lbp-9	chrV	0.252366	0.004541
F25G6.8	F25G6.8	chrV	0.252218	0.005975
C46A5.6	C46A5.6	chrIV	0.252137	0.008112
C46F2.1	C46F2.1	chrX	0.252064	0.047869
T10B5.3	T10B5.3	chrV	0.252049	0.005766
F42G9.2	cyn-6	chrIII	0.251946	0.007863
F10G8.7	ercc-1	chrI	0.251822	0.007170

Y73B6BL.25	acp-7	chrIV	0.251693	0.027698
C47D12.5	C47D12.5	chrII	0.251656	0.024317
H21P03.1	mbf-1	chrIV	0.251556	0.005521
W08E3.1	snr-2	chrI	0.251456	0.004951
Y111B2A.18	rsp-3	chrIII	0.251371	0.004784
W02H5.8	W02H5.8	chrV	0.251298	0.010223
C33C12.10	C33C12.10	chrII	0.251175	0.017559
C44E4.8	C44E4.8	chrI	0.250625	0.019970
D2096.2	praf-3	chrIV	0.250590	0.005781
K07B1.3	ucp-4	chrV	0.250532	0.011399
ZK673.2	ZK673.2	chrII	0.250480	0.006068
C13F10.2	C13F10.2	chrV	0.250394	0.020766
M01E5.4	M01E5.4	chrI	0.250341	0.006731
R12B2.1	sma-4	chrIII	0.250042	0.027885
W06B4.2	W06B4.2	chrII	0.250034	0.013340
B0272.2	memb-1	chrX	0.250008	0.026996
C18E3.8	hop-1	chrI	0.249958	0.008870
Y53F4B.31	gst-28	chrII	0.249950	0.030763
C01F6.8	icl-1	chrIV	0.249785	0.006705
F45H11.5	F45H11.5	chrI	0.249781	0.014499
C02F5.12	C02F5.12	chrIII	0.249544	0.020674
T25E12.5	gyg-2	chrV	0.249449	0.005364
C18A3.2	C18A3.2	chrII	0.249402	0.009077
M79.2	M79.2	chrX	0.249375	0.020678
C38D4.6	pal-1	chrIII	0.249307	0.005631
F43G9.4	F43G9.4	chrI	0.249200	0.008058
C11G6.3	C11G6.3	chrX	0.249122	0.010402
Y49E10.14	pie-1	chrIII	0.249102	0.006267
ZK185.3	ZK185.3	chrIV	0.249067	0.024648
Y39A1A.3	Y39A1A.3	chrIII	0.249046	0.009020
K08D12.1	pbs-1	chrIV	0.248689	0.005540
T06D8.6	cchl-1	chrII	0.248190	0.005875
Y67H2A.4	Y67H2A.4	chrIV	0.248103	0.007050
T20D3.6	T20D3.6	chrIV	0.248088	0.011120
T24A11.3	toh-1	chrIII	0.248027	0.020340
C37C3.9	C37C3.9	chrV	0.248024	0.006079
T05E11.4	spo-11	chrIV	0.247786	0.009121
D1007.12	rpl-24.1	chrI	0.247696	0.005284
R05D7.4	R05D7.4	chrI	0.247564	0.011367
F35C8.6	pfn-2	chrX	0.247382	0.008177
M05B5.4	M05B5.4	chrI	0.247077	0.012166
T09B4.10	chn-1	chrI	0.247016	0.007317
R10E11.4	sqv-3	chrIII	0.246973	0.009776
Y18H1A.4	Y18H1A.4	chrI	0.246938	0.013473
Y62E10A.2	Y62E10A.2	chrIV	0.246907	0.006795
F32D8.14	F32D8.14	chrV	0.246888	0.007881
M142.1	unc-119	chrIII	0.246864	0.016642
T03D8.2	T03D8.2	chrV	0.246640	0.010776
C53A5.1	ril-1	chrV	0.246632	0.005867
F35A5.8	erp-1	chrX	0.246600	0.016333
ZK105.1	ZK105.1	chrV	0.246412	0.007915
C07A12.3	nhr-35	chrX	0.246411	0.027917
H02I12.5	H02I12.5	chrIV	0.246163	0.007523
C15H9.9	C15H9.9	chrX	0.246129	0.007307
H06I04.6	H06I04.6	chrIII	0.246107	0.031370
F37B4.10	F37B4.10	chrV	0.246069	0.019550
R08C7.2	R08C7.2	chrIV	0.246064	0.007129
T02G5.13	mmaa-1	chrII	0.245939	0.006801
C15H11.4	dhs-22	chrV	0.245806	0.006679
ZK637.14	ZK637.14	chrIII	0.245694	0.032772
T04A8.8	T04A8.8	chrIII	0.245631	0.006464
T03G11.6	T03G11.6	chrX	0.245617	0.011299
T24H7.5	tat-4	chrII	0.245573	0.007251

C06A6.3	mvb-12	chrIV	0.245250	0.010313
T04G9.5	trap-2	chrX	0.245202	0.006224
Y57G11C.36	Y57G11C.36	chrIV	0.245177	0.011695
W02A2.1	fat-2	chrIV	0.245142	0.006082
F18G5.2	pes-8	chrX	0.245065	0.048813
ZK1127.12	ZK1127.12	chrII	0.245061	0.019127
C33A12.1	C33A12.1	chrIV	0.244947	0.007574
T02H6.11	T02H6.11	chrII	0.244846	0.006650
Y53H1B.2	Y53H1B.2	chrI	0.244218	0.011330
F31C3.1	cyn-5	chrI	0.244190	0.006354
M01B12.3	arx-7	chrI	0.244149	0.011824
D1081.9	D1081.9	chrI	0.244065	0.011324
H40L08.2	H40L08.2	chrX	0.244014	0.015337
Y5F2A.1	ttr-16	chrIV	0.243957	0.006807
Y39B6A.36	Y39B6A.36	chrV	0.243843	0.008311
T22B11.4	T22B11.4	chrIV	0.243734	0.012757
F25B4.7	F25B4.7	chrV	0.243454	0.010602
F29C6.1	F29C6.1	chrI	0.243372	0.015936
Y37D8A.23	unc-25	chrIII	0.243240	0.037082
C08C3.4	C08C3.4	chrIII	0.243105	0.007554
F43G6.3	F43G6.3	chrII	0.243103	0.011448
M163.3	his-24	chrX	0.242867	0.006999
R04B3.2	R04B3.2	chrX	0.242844	0.047696
C42D4.1	C42D4.1	chrIV	0.242753	0.007403
Y11D7A.7	Y11D7A.7	chrIV	0.242738	0.014587
C34B2.8	C34B2.8	chrI	0.242677	0.007288
F41H10.7	elo-5	chrIV	0.242617	0.007622
M01F1.8	M01F1.8	chrIII	0.242600	0.011901
Y49F6B.4	smu-2	chrII	0.242585	0.008031
Y49E10.4	Y49E10.4	chrIII	0.242568	0.008960
T01D1.3	T01D1.3	chrII	0.242389	0.042253
Y53G8AR.3	ral-1	chrIII	0.242263	0.010746
C33A12.19	C33A12.19	chrIV	0.242261	0.018709
T25B2.2	T25B2.2	chrX	0.242181	0.040658
R02F11.4	R02F11.4	chrV	0.242176	0.010301
H29C22.1	H29C22.1	chrX	0.242115	0.017880
F13D12.5	F13D12.5	chrII	0.241873	0.009949
ZC53.7	rgs-9	chrX	0.241657	0.019276
M04F3.4	M04F3.4	chrI	0.241527	0.017146
F55F8.6	mff-2	chrI	0.241387	0.011469
F43D2.2	F43D2.2	chrV	0.241256	0.011189
F59A3.9	pup-3	chrI	0.241216	0.029008
W01A8.5	W01A8.5	chrI	0.241205	0.009029
K02G10.3	tmem-135	chrX	0.241181	0.029260
Y62H9A.3	Y62H9A.3	chrX	0.240918	0.008401
Y54E10BR.8	ztf-23	chrI	0.240609	0.011612
Y26E6A.3	Y26E6A.3	chrX	0.240595	0.035905
LLC1.2	LLC1.2	chrIV	0.240555	0.008903
F41E6.12	F41E6.12	chrV	0.240478	0.017310
C16C2.4	C16C2.4	chrI	0.240312	0.008446
T03F1.7	T03F1.7	chrI	0.240219	0.018438
F08B4.7	F08B4.7	chrIV	0.240211	0.009134
F17H10.1	F17H10.1	chrX	0.239999	0.010482
D2092.4	D2092.4	chrI	0.239968	0.014047
F54A5.3	shc-1	chrI	0.239925	0.032927
T22F3.2	T22F3.2	chrV	0.239786	0.009554
C29F7.3	C29F7.3	chrX	0.239325	0.009852
B0457.2	B0457.2	chrII	0.239311	0.025945
F29G9.6	dhs-17	chrV	0.238998	0.030697
F55C10.1	cnb-1	chrV	0.238976	0.015604
C16C8.4	C16C8.4	chrII	0.238968	0.018463
W05G11.6	W05G11.6	chrIII	0.238964	0.008333
F20H11.5	ddo-3	chrIII	0.238834	0.009412

F48A11.4	F48A11.4	chrII	0.238745	0.011500
F55G1.6	F55G1.6	chrIV	0.238684	0.010503
C27D6.4	C27D6.4	chrII	0.238515	0.009070
C50B8.2	bir-2	chrV	0.238383	0.012029
H25P19.1	H25P19.1	chrV	0.238286	0.016332
ZC434.9	ZC434.9	chrI	0.238212	0.018544
T12G3.5	T12G3.5	chrIV	0.238148	0.010764
Y57A10A.30	ife-5	chrII	0.238109	0.026803
Y39G8B.2	Y39G8B.2	chrII	0.238084	0.032986
E01G4.5	E01G4.5	chrII	0.238084	0.049173
T19B10.4	pqn-70	chrV	0.238061	0.008471
W09G3.1	W09G3.1	chrI	0.238029	0.021953
C01G6.3	C01G6.3	chrII	0.237981	0.008485
ZK84.1	ZK84.1	chrII	0.237879	0.039281
Y69A2AR.7	Y69A2AR.7	chrIV	0.237620	0.016896
Y39E4A.2	ttn-1	chrIII	0.237571	0.016992
C17H12.13	C17H12.13	chrIV	0.237506	0.009251
Y38A8.1	ndx-3	chrII	0.237438	0.032950
R07B7.10	R07B7.10	chrV	0.237357	0.037784
Y97E10C.1	Y97E10C.1	chrV	0.237141	0.017285
F02H6.3	F02H6.3	chrIV	0.237102	0.013749
Y54E10A.4	fog-1	chrI	0.236987	0.017579
F54F3.4	F54F3.4	chrV	0.236970	0.026476
ZK822.2	ZK822.2	chrIV	0.236953	0.018346
Y48G8AL.8	rpl-17	chrI	0.236827	0.007922
C13G5.2	C13G5.2	chrIII	0.236749	0.010764
K08E7.2	hsb-1	chrIV	0.236629	0.010444
F23F1.5	F23F1.5	chrII	0.236501	0.010952
F19B10.2	F19B10.2	chrII	0.236411	0.018063
R02D5.8	R02D5.8	chrV	0.236199	0.027639
C17G1.7	C17G1.7	chrX	0.236163	0.016829
ZK418.5	ZK418.5	chrIII	0.236161	0.009713
T01C3.3	T01C3.3	chrV	0.236143	0.009004
T23G7.2	T23G7.2	chrII	0.236137	0.015337
Y97E10AL.3	Y97E10AL.3	chrV	0.236008	0.013259
C08B6.8	C08B6.8	chrV	0.235891	0.012320
C49C3.7	C49C3.7	chrIV	0.235874	0.013070
W06B11.3	dct-11	chrX	0.235859	0.032473
C17F4.5	fbxc-50	chrII	0.235749	0.012897
C06G3.2	klp-18	chrIV	0.235676	0.010290
C54G4.6	dod-18	chrI	0.235632	0.035600
C11D2.4	C11D2.4	chrIV	0.235597	0.011310
C25G4.3	C25G4.3	chrIV	0.235566	0.022440
C34B7.3	cyp-36A1	chrI	0.235565	0.032780
T14F9.3	hex-1	chrX	0.235536	0.015746
Y54G2A.18	Y54G2A.18	chrIV	0.235529	0.009715
K11D9.3	K11D9.3	chrIII	0.235495	0.030751
T03F6.3	T03F6.3	chrIII	0.235436	0.010137
H43I07.3	H43I07.3	chrV	0.235333	0.014388
K07B1.7	K07B1.7	chrV	0.235309	0.015012
F40A3.1	F40A3.1	chrV	0.234925	0.040317
K09H9.7	K09H9.7	chrI	0.234796	0.020641
Y73C8B.3	Y73C8B.3	chrV	0.234747	0.032520
F15D3.6	F15D3.6	chrI	0.234676	0.011813
C41G7.9	C41G7.9	chrI	0.234594	0.010796
F12A10.8	F12A10.8	chrII	0.234523	0.018719
R04D3.4	R04D3.4	chrX	0.234481	0.020756
Y48E1B.12	csc-1	chrII	0.234428	0.011330
T01C8.2	T01C8.2	chrX	0.234319	0.027873
F56C9.6	F56C9.6	chrIII	0.234306	0.009786
F27E5.1	F27E5.1	chrII	0.234230	0.020869
Y47G6A.18	Y47G6A.18	chrI	0.234194	0.012933
K11D12.7	K11D12.7	chrV	0.234172	0.019672

C50F4.13	his-35	chrV	0.234147	0.015550
F40A3.2	F40A3.2	chrV	0.234138	0.021526
T07C5.1	ugt-50	chrX	0.234058	0.020207
E02H9.7	E02H9.7	chrIII	0.233946	0.028986
F54H12.6	eef-1B.1	chrIII	0.233749	0.008999
C03C10.4	C03C10.4	chrIII	0.233658	0.011884
F41H10.10	htp-1	chrIV	0.233632	0.011576
Y42H9B.3	Y42H9B.3	chrIV	0.233491	0.011212
F37F2.2	F37F2.2	chrI	0.233388	0.020342
Y62E10A.8	mau-8	chrIV	0.233257	0.016415
ZK673.3	ZK673.3	chrII	0.233160	0.019322
F26A3.1	F26A3.1	chrI	0.233005	0.023408
F23H12.1	snb-2	chrV	0.232866	0.044241
CD4.8	CD4.8	chrV	0.232824	0.047742
C33F10.5	rig-6	chrII	0.232710	0.014648
C18A3.3	C18A3.3	chrII	0.232655	0.010796
F42D1.2	tatn-1	chrX	0.232631	0.010994
K02B2.3	K02B2.3	chrIV	0.232594	0.011561
C25H3.3	C25H3.3	chrII	0.232470	0.025582
B0416.4	B0416.4	chrX	0.232394	0.039593
C16A11.6	fbxc-44	chrII	0.232338	0.015311
B0334.1	ttr-18	chrII	0.232242	0.015917
F32B6.3	F32B6.3	chrIV	0.232202	0.016705
K11H12.2	rpl-15	chrIV	0.232169	0.009351
ZC308.4	ZC308.4	chrI	0.232088	0.011189
K05C4.7	K05C4.7	chrI	0.231833	0.011557
Y108G3AL.2	Y108G3AL.2	chrV	0.231759	0.013671
W03F11.1	W03F11.1	chrI	0.231756	0.011436
E02H9.3	E02H9.3	chrIII	0.231595	0.043678
C28H8.4	C28H8.4	chrIII	0.231593	0.011135
Y54E10BR.5	Y54E10BR.5	chrI	0.231583	0.011215
F42A6.6	F42A6.6	chrIV	0.231404	0.045453
Y47G6A.22	Y47G6A.22	chrI	0.231359	0.017206
T08B2.10	rps-17	chrI	0.231338	0.009727
F57B10.12	mei-2	chrI	0.231289	0.011074
C53D5.4	ztf-3	chrI	0.231240	0.027809
F11H8.3	col-8	chrIII	0.231210	0.009761
F45E4.9	hmg-5	chrIV	0.231171	0.012724
Y55F3AM.4	atg-3	chrIV	0.231001	0.015237
C36B1.11	C36B1.11	chrI	0.230979	0.011162
W02D7.6	W02D7.6	chrV	0.230919	0.017491
B0491.7	B0491.7	chrII	0.230853	0.025055
T25G12.7	dhs-30	chrX	0.230818	0.021777
F38B6.4	F38B6.4	chrX	0.230806	0.020156
T16H12.3	T16H12.3	chrIII	0.230722	0.021337
F33H2.3	F33H2.3	chrI	0.230650	0.012134
F09F7.2	mhc-3	chrIII	0.230481	0.010313
Y39A1A.6	Y39A1A.6	chrIII	0.230317	0.020237
F20D6.4	srp-7	chrV	0.230306	0.011372
Y40H7A.10	Y40H7A.10	chrIV	0.230207	0.016933
Y66A7A.8	tbx-33	chrIII	0.230085	0.042944
D1054.3	D1054.3	chrV	0.229845	0.012313
C24A11.9	coq-1	chrI	0.229735	0.017581
C32E12.4	C32E12.4	chrI	0.229657	0.035499
T23G7.3	T23G7.3	chrII	0.229580	0.012061
Y94H6A.8	Y94H6A.8	chrIV	0.229565	0.013215
EEED8.14	EEED8.14	chrII	0.229430	0.018997
D1086.6	D1086.6	chrV	0.229428	0.013926
F18A11.1	puf-6	chrII	0.229391	0.041501
Y37E3.1	Y37E3.1	chrI	0.229375	0.017092
Y51H7C.7	Y51H7C.7	chrII	0.229328	0.019342
T05G5.7	rmd-1	chrIII	0.229201	0.010746
F42A9.6	F42A9.6	chrIV	0.229019	0.016149

T11G6.4	T11G6.4	chrIV	0.228832	0.038335
K10D3.3	taf-11.2	chrI	0.228766	0.015604
K07A1.10	K07A1.10	chrI	0.228746	0.016492
C50F7.10	C50F7.10	chrIV	0.228741	0.042572
K08E4.2	K08E4.2	chrIV	0.228677	0.046866
H10E21.3	nhr-80	chrIII	0.228573	0.043462
ZK637.11	cdc-25.3	chrIII	0.228429	0.018593
Y54G11A.8	ddl-3	chrII	0.228371	0.036370
Y17G7B.12	Y17G7B.12	chrII	0.228079	0.021478
K10C9.3	K10C9.3	chrV	0.228050	0.022025
C18E9.10	C18E9.10	chrII	0.227936	0.018543
C03H5.3	C03H5.3	chrII	0.227717	0.016415
T01H3.1	vha-4	chrII	0.227668	0.012122
F35C5.6	clcc-63	chrII	0.227665	0.011482
F22H10.3	F22H10.3	chrX	0.227655	0.013086
F48F7.6	F48F7.6	chrX	0.227602	0.020742
C16C8.16	C16C8.16	chrII	0.227478	0.018192
ZK863.7	rnp-1	chrV	0.227470	0.014033
T23B3.2	T23B3.2	chrI	0.227331	0.029447
C23H3.2	C23H3.2	chrII	0.227139	0.018481
C01B10.3	C01B10.3	chrIV	0.226999	0.034647
ZK909.3	ZK909.3	chrI	0.226913	0.044920
Y105C5B.15	Y105C5B.15	chrIV	0.226851	0.018887
W02B12.2	rsp-2	chrII	0.226811	0.012471
Y119D3B.12	Y119D3B.12	chrIII	0.226787	0.017032
C27A2.3	ify-1	chrII	0.226762	0.012199
VW02B12L.3	ebp-2	chrII	0.226451	0.013568
ZK353.1	cyy-1	chrIII	0.226419	0.014227
Y37E3.8	Y37E3.8	chrI	0.226163	0.011526
Y4C6B.6	Y4C6B.6	chrIV	0.226154	0.025564
W10D5.2	nduf-7	chrI	0.226144	0.013037
ZK1098.1	ZK1098.1	chrIII	0.226139	0.013206
T02D1.8	T02D1.8	chrIV	0.225997	0.036895
ZK177.5	cyp-44A1	chrII	0.225885	0.019530
K03E6.6	pfn-3	chrX	0.225736	0.047542
F17A2.5	ceh-40	chrX	0.225687	0.042579
T13B5.8	sut-1	chrII	0.225630	0.025344
F46A9.5	skr-1	chrI	0.225458	0.012947
F59C6.4	exos-3	chrI	0.225098	0.017313
C37H5.9	nas-9	chrV	0.225059	0.042470
C15F1.6	art-1	chrII	0.225018	0.013098
F56B3.12	skr-18	chrIV	0.225001	0.018492
K08E7.1	eak-7	chrIV	0.224894	0.018141
C26E6.11	mmab-1	chrIII	0.224778	0.021914
D1037.3	ftn-2	chrI	0.224744	0.013473
F56B3.11	F56B3.11	chrIV	0.224532	0.017285
F56A11.5	F56A11.5	chrIV	0.224424	0.015691
C18D11.3	C18D11.3	chrIII	0.224189	0.015213
C18E9.6	tomm-40	chrII	0.224105	0.014109
Y110A2AL.14	sqv-2	chrII	0.224103	0.020820
F59B1.8	F59B1.8	chrV	0.224068	0.021789
F46H6.1	rhi-1	chrX	0.223799	0.021733
M02B7.2	M02B7.2	chrIV	0.223600	0.044259
K01A11.2	K01A11.2	chrIII	0.223552	0.032950
T12G3.8	bre-5	chrIV	0.223377	0.027059
K02G10.1	K02G10.1	chrX	0.223359	0.048907
B0280.3	rpia-1	chrIII	0.222979	0.016223
VF36H2L.1	aph-1	chrI	0.222964	0.020518
F42A10.9	F42A10.9	chrIII	0.222770	0.045578
R107.2	R107.2	chrIII	0.222739	0.039096
Y48A5A.2	ulp-3	chrIV	0.222693	0.036050
Y45F3A.9	Y45F3A.9	chrIII	0.222669	0.037143
R07H5.3	R07H5.3	chrIV	0.222631	0.036241

Y57E12AL.6	Y57E12AL.6	chrV	0.222614	0.015513
F54D5.11	F54D5.11	chrII	0.222530	0.018348
C05E11.5	amt-4	chrX	0.222503	0.024017
Y75B8A.27	pqn-92	chrIII	0.222226	0.033052
C10B5.1	C10B5.1	chrV	0.222197	0.047133
B0495.9	B0495.9	chrII	0.222167	0.021321
C52G5.2	C52G5.2	chrX	0.222073	0.040363
C02F5.4	cids-1	chrIII	0.222023	0.018128
R05H11.1	R05H11.1	chrIII	0.222021	0.039052
C55B7.9	mdt-18	chrI	0.221938	0.022703
F02E8.3	aps-2	chrX	0.221905	0.027643
C27B7.2	C27B7.2	chrIV	0.221770	0.035609
F40G9.3	ubc-20	chrIII	0.221678	0.015531
F52H3.7	lec-2	chrII	0.221634	0.014586
R04D3.2	R04D3.2	chrX	0.221384	0.020434
E01A2.6	E01A2.6	chrI	0.221331	0.014841
Y53C12A.10	Y53C12A.10	chrII	0.221068	0.026340
C32E8.2	rpl-13	chrI	0.221066	0.013781
C50B8.3	C50B8.3	chrV	0.220899	0.026994
F33H2.6	F33H2.6	chrI	0.220885	0.020848
Y49E10.2	glrx-5	chrIII	0.220415	0.029374
M04C3.1	M04C3.1	chrV	0.220378	0.037921
ZK1307.1	ZK1307.1	chrII	0.220235	0.025148
F55E10.6	F55E10.6	chrX	0.220010	0.039582
C31E10.7	C31E10.7	chrX	0.220003	0.018000
T25E12.6	T25E12.6	chrV	0.219312	0.040161
K07H8.3	K07H8.3	chrIV	0.219215	0.018608
F37C12.3	F37C12.3	chrIII	0.219150	0.018126
ZK792.2	inx-8	chrIV	0.219021	0.018870
H20J04.8	sap-1	chrII	0.218928	0.018593
C06E8.3	prk-1	chrIII	0.218786	0.042982
Y71F9AL.8	Y71F9AL.8	chrI	0.218753	0.037258
W03A5.4	W03A5.4	chrIII	0.218742	0.021440
T25D3.2	T25D3.2	chrII	0.218645	0.023482
F48C1.6	F48C1.6	chrI	0.218620	0.026703
F54D10.7	F54D10.7	chrII	0.218451	0.030100
ZK632.12	ZK632.12	chrIII	0.218398	0.020912
F42G8.10	F42G8.10	chrIV	0.218394	0.017502
Y57G11C.4	vti-1	chrIV	0.218268	0.035499
T22A3.3	lst-1	chrI	0.218256	0.016961
T03F1.8	T03F1.8	chrI	0.218119	0.021710
F26E4.4	F26E4.4	chrI	0.218047	0.018909
Y45F3A.2	rab-30	chrIII	0.217878	0.042304
ZC477.3	ZC477.3	chrIV	0.217714	0.019450
C14F5.1	dct-1	chrX	0.217676	0.033683
R11A5.2	nud-2	chrI	0.217554	0.018766
ZK809.3	ZK809.3	chrIV	0.217466	0.017539
F46F11.5	vha-10	chrI	0.217377	0.016914
C47E12.2	C47E12.2	chrIV	0.217228	0.021306
C49H3.9	C49H3.9	chrIV	0.216914	0.020207
F39B2.6	rps-26	chrI	0.216872	0.016223
Y37D8A.1	arx-5	chrIII	0.216829	0.021867
Y71F9AM.6	trap-1	chrI	0.216768	0.016448
Y38C1AA.11	prdx-6	chrIV	0.216707	0.028354
W01D2.5	W01D2.5	chrII	0.216589	0.021881
Y40B1B.5	eif-3.J	chrI	0.216468	0.019777
K01C8.7	K01C8.7	chrII	0.216401	0.040365
F42A10.3	F42A10.3	chrIII	0.216231	0.029507
C13C4.5	C13C4.5	chrV	0.216150	0.032889
T06E8.1	acl-2	chrV	0.216136	0.023341
T05A7.4	hmg-11	chrII	0.215848	0.024258
F55H12.4	F55H12.4	chrI	0.215838	0.020932
C15F1.7	sod-1	chrII	0.215800	0.018513

Y74C9A.3	Y74C9A.3	chrI	0.215774	0.029350
Y73B6BL.2	htp-2	chrIV	0.215610	0.024826
F31D4.1	exos-7	chrV	0.215568	0.025793
ZK856.11	ZK856.11	chrV	0.215175	0.022313
T05G11.1	pzf-1	chrV	0.214722	0.034187
F15G9.1	F15G9.1	chrX	0.214655	0.025949
F59F4.4	acl-1	chrX	0.214633	0.025910
Y45G5AL.1	Y45G5AL.1	chrV	0.214503	0.021269
E04F6.9	E04F6.9	chrII	0.214499	0.044707
Y51H1A.3	Y51H1A.3	chrII	0.214481	0.020321
F23H12.2	tomm-20	chrV	0.214367	0.021253
C01F6.5	aly-1	chrIV	0.214362	0.029615
C16C10.11	har-1	chrIII	0.214345	0.019959
F23B12.4	F23B12.4	chrV	0.214212	0.037580
R11.1	R11.1	chrX	0.214161	0.036150
C52E4.3	snr-4	chrV	0.214047	0.019030
T03F6.1	qdpr-1	chrIII	0.213825	0.021186
W02G9.2	kel-8	chrV	0.213669	0.029548
F25H2.5	F25H2.5	chrI	0.213639	0.017835
D2030.4	D2030.4	chrI	0.213183	0.022253
T22H2.6	pgrn-1	chrI	0.213149	0.026703
Y57A10A.29	Y57A10A.29	chrII	0.212963	0.034630
F54C8.2	cpar-1	chrIII	0.212846	0.024822
M01G5.3	M01G5.3	chrIII	0.212636	0.026055
DH11.2	DH11.2	chrII	0.212558	0.034226
ZK686.3	ZK686.3	chrIII	0.212443	0.019930
B0379.1	B0379.1	chrI	0.212211	0.044606
K11H12.8	K11H12.8	chrIV	0.212039	0.023767
ZK792.6	let-60	chrIV	0.211989	0.021772
F58H1.3	F58H1.3	chrV	0.211950	0.031525
R12E2.1	R12E2.1	chrI	0.211946	0.025333
W10G11.20	dnc-3	chrII	0.211845	0.036590
T20F5.2	pbs-4	chrI	0.211792	0.020739
Y73F8A.6	ccg-1	chrIV	0.211726	0.026618
Y113G7A.9	dcs-1	chrV	0.211630	0.026520
T07E3.5	brc-2	chrIII	0.211554	0.031663
Y60A3A.7	Y60A3A.7	chrV	0.211512	0.025794
Y62E10A.17	Y62E10A.17	chrIV	0.211415	0.031245
D1007.10	D1007.10	chrI	0.211201	0.044584
F08B1.3	F08B1.3	chrII	0.210980	0.043884
F59A3.12	F59A3.12	chrI	0.210867	0.030410
T07F10.3	T07F10.3	chrV	0.210784	0.026226
ZK721.2	unc-27	chrX	0.210764	0.020207
R06C7.4	cpg-3	chrI	0.210720	0.020321
ZK829.7	ZK829.7	chrIV	0.210662	0.021698
F35E12.6	F35E12.6	chrV	0.210595	0.026573
C35D10.13	C35D10.13	chrIII	0.210491	0.024831
F45B8.1	rgs-11	chrX	0.210284	0.043678
F55F8.4	cir-1	chrI	0.210242	0.022219
ZK1320.1	gstk-1	chrII	0.210223	0.039639
K08D9.3	apx-1	chrV	0.210090	0.023048
T24H10.3	dnj-23	chrII	0.210064	0.024317
F54D10.5	F54D10.5	chrII	0.209881	0.030763
F57B9.1	F57B9.1	chrIII	0.209831	0.045107
Y82E9BR.14	Y82E9BR.14	chrIII	0.209673	0.026733
F55H2.7	F55H2.7	chrIII	0.209673	0.027588
Y39A3CR.7	pqn-82	chrIII	0.209611	0.032613
F19B10.9	sea-1	chrII	0.209477	0.034995
C05D9.1	snx-1	chrX	0.209350	0.028311
C01F1.2	sco-1	chrII	0.209268	0.031573
ZK1236.2	cec-1	chrIII	0.209188	0.029374
C43E11.4	tufm-2	chrI	0.209104	0.025162
F36F12.8	ztf-28	chrV	0.208824	0.036732

Y62E10A.10	Y62E10A.10	chrIV	0.208762	0.026700
F32A11.2	hpr-17	chrII	0.208641	0.028311
F43G9.9	cpn-1	chrI	0.208615	0.022444
C16C10.8	C16C10.8	chrIII	0.208233	0.037394
W02F12.4	W02F12.4	chrV	0.208058	0.029166
F33E11.2	F33E11.2	chrV	0.207870	0.029744
F55B12.5	nrf-5	chrV	0.207649	0.031531
C31C9.2	C31C9.2	chrII	0.207499	0.028154
C25A1.8	clec-87	chrI	0.207323	0.021953
C28C12.7	spp-10	chrIV	0.207289	0.023838
T24D1.4	tag-179	chrI	0.207174	0.034167
C25D7.7	rap-2	chrV	0.207044	0.030410
T07C4.5	ttr-15	chrIII	0.206863	0.023242
Y97E10AR.7	Y97E10AR.7	chrV	0.206855	0.032263
C18D11.4	rsp-8	chrIII	0.206478	0.025091
C40H1.6	C40H1.6	chrIII	0.206429	0.037025
ZK1058.9	ZK1058.9	chrIII	0.206364	0.030697
C33H5.18	C33H5.18	chrIV	0.206231	0.029579
C56C10.10	C56C10.10	chrII	0.206225	0.033375
Y48E1B.8	Y48E1B.8	chrII	0.206138	0.041084
Y39G10AL.3	cdk-7	chrI	0.206111	0.029166
ZK546.17	cbic-1	chrII	0.205812	0.033891
T20D3.5	T20D3.5	chrIV	0.205669	0.032696
F36F2.4	syx-7	chrI	0.205532	0.032422
H26D21.1	hus-1	chrI	0.205459	0.043000
C32D5.9	lgg-1	chrII	0.205357	0.024415
F26F4.12	F26F4.12	chrIII	0.205186	0.037028
C45B2.1	C45B2.1	chrX	0.204657	0.028217
W02B12.10	W02B12.10	chrII	0.204594	0.030283
F09E5.11	F09E5.11	chrII	0.204340	0.038541
F32D8.4	F32D8.4	chrV	0.204256	0.038868
F47B7.1	F47B7.1	chrX	0.203990	0.032487
F42G8.12	isp-1	chrIV	0.203831	0.026021
C09D4.5	rpl-19	chrI	0.203666	0.024709
K08F11.4	yars-1	chrIV	0.203572	0.031663
F43G9.3	F43G9.3	chrI	0.203542	0.044724
F44G4.2	F44G4.2	chrII	0.203502	0.028013
F08H9.7	clec-56	chrV	0.203422	0.042685
Y75B8A.16	Y75B8A.16	chrIII	0.203391	0.035625
Y111B2A.15	tpst-1	chrIII	0.203269	0.032141
ZK783.2	upp-1	chrIII	0.203251	0.030233
H27M09.2	rpb-5	chrI	0.203110	0.028675
Y48G1A.6	mbtr-1	chrI	0.203033	0.037082
D1007.16	eaf-1	chrI	0.202950	0.029890
W08F4.8	cdc-37	chrII	0.202599	0.028167
C09B8.6	hsp-25	chrX	0.202520	0.030850
F40F11.1	rps-11	chrIV	0.202496	0.025756
Y54H5A.4	oxy-4	chrIII	0.202381	0.045578
Y25C1A.13	Y25C1A.13	chrII	0.201893	0.046821
T05H4.5	T05H4.5	chrV	0.201833	0.028775
M02D8.1	M02D8.1	chrX	0.201564	0.032799
F13D12.2	ldh-1	chrII	0.201443	0.030273
C09G4.2	C09G4.2	chrIV	0.201354	0.038106
F25B5.3	F25B5.3	chrIII	0.201340	0.028897
F36A2.7	F36A2.7	chrI	0.201267	0.028239
C14B9.7	rpl-21	chrIII	0.201219	0.026752
R05F9.9	R05F9.9	chrII	0.200919	0.038998
C43H8.2	C43H8.2	chrI	0.200883	0.038771
C32D5.8	C32D5.8	chrII	0.200709	0.040485
F15B10.1	F15B10.1	chrIV	0.200526	0.032734
W04A8.1	W04A8.1	chrI	0.200299	0.043130
R10E11.8	vha-1	chrIII	0.200098	0.029617
C25H3.7	C25H3.7	chrII	0.200012	0.036557

K07F5.15	K07F5.15	chrIV	0.199984	0.034107
F31C3.4	F31C3.4	chrI	0.199885	0.032121
F35G2.2	F35G2.2	chrIV	0.199763	0.039874
M18.7	aly-3	chrIV	0.199488	0.030191
M01E11.4	pqn-52	chrI	0.199444	0.030019
ZK742.5	lbp-4	chrV	0.199326	0.043119
B0207.4	air-2	chrI	0.199234	0.032780
Y57G11C.43	Y57G11C.43	chrIV	0.199215	0.042277
F32B5.8	cpz-1	chrI	0.199077	0.029528
W02D9.3	W02D9.3	chrI	0.198690	0.047662
F40A3.3	F40A3.3	chrV	0.198660	0.035440
F10B5.1	rpl-10	chrII	0.198603	0.028943
Y54F10AL.1	Y54F10AL.1	chrIII	0.198417	0.038301
D2030.9	wdr-23	chrI	0.198373	0.033711
F29F11.3	tut-2	chrV	0.198362	0.044757
C53A5.17	C53A5.17	chrV	0.198146	0.047662
T04C9.4	mlp-1	chrIII	0.198138	0.042010
ZK418.4	lin-37	chrIII	0.198105	0.037631
F58G1.4	dct-18	chrII	0.198057	0.032607
T27E9.7	abcf-2	chrIII	0.197911	0.032590
C10G8.8	C10G8.8	chrV	0.197805	0.037244
C45G9.2	C45G9.2	chrIII	0.197741	0.043626
Y65B4BR.5	Y65B4BR.5	chrI	0.197375	0.030347
C14F11.4	C14F11.4	chrX	0.197256	0.046823
Y37E3.7	rla-1	chrI	0.197205	0.030654
Y54E2A.8	Y54E2A.8	chrII	0.197055	0.045315
ZK1307.9	ZK1307.9	chrII	0.197019	0.040305
Y50E8A.4	unc-61	chrV	0.196816	0.033711
C18E9.11	ooc-5	chrII	0.196690	0.035523
F22A3.1	ets-4	chrX	0.196659	0.048565
K08E3.7	pdr-1	chrIII	0.196408	0.037488
Y48G1C.12	Y48G1C.12	chrI	0.196367	0.047457
F40E10.3	csq-1	chrX	0.196228	0.034760
Y54G2A.31	ubc-13	chrIV	0.196171	0.036863
W01A11.2	W01A11.2	chrV	0.196130	0.042329
F57C2.5	F57C2.5	chrII	0.196047	0.037132
C03D6.5	asfl-1	chrI	0.195860	0.038857
R09B3.1	exo-3	chrI	0.195746	0.036735
T22C1.6	T22C1.6	chrI	0.195610	0.037941
ZK973.10	lpd-5	chrI	0.195569	0.037339
C40H1.1	cpb-1	chrIII	0.195439	0.040166
Y69H2.14	Y69H2.14	chrV	0.195233	0.032709
ZC513.7	ZC513.7	chrV	0.195167	0.035105
R12C12.5	R12C12.5	chrII	0.195144	0.046251
C37C3.1	C37C3.1	chrV	0.194843	0.045153
H38K22.3	tag-131	chrIII	0.194758	0.048179
T10H9.3	syx-18	chrV	0.194593	0.038930
DC2.3	DC2.3	chrV	0.194574	0.046086
C25A1.12	C25A1.12	chrI	0.194321	0.040499
K04F10.7	K04F10.7	chrI	0.193926	0.040922
F21H12.1	F21H12.1	chrII	0.193590	0.041240
F27C1.2	F27C1.2	chrI	0.193547	0.037921
Y87G2A.9	ubc-14	chrI	0.193407	0.047849
Y43E12A.1	cyb-2.1	chrIV	0.193331	0.045347
F52B11.2	F52B11.2	chrIV	0.193296	0.046903
C25H3.9	C25H3.9	chrII	0.193151	0.036677
C10G8.5	ncx-2	chrV	0.192812	0.043743
F57B9.7	flap-1	chrIII	0.192792	0.043735
F32A5.1	ada-2	chrII	0.192452	0.041924
T26E3.3	par-6	chrI	0.192442	0.043462
C36F7.2	C36F7.2	chrI	0.192294	0.046383
F53H4.2	F53H4.2	chrX	0.192000	0.041153
Y14H12B.2	Y14H12B.2	chrII	0.191965	0.041742

T02E1.5	dhs-3	chrI	0.191860	0.048349
F52B5.6	rpl-25.2	chrI	0.191101	0.036734
Y43C5A.2	Y43C5A.2	chrIV	0.191073	0.047355
R04F11.3	R04F11.3	chrV	0.190729	0.040163
T21H3.1	T21H3.1	chrV	0.190409	0.038016
T21B10.4	T21B10.4	chrII	0.190229	0.044514
Y47G6A.2	inx-22	chrI	0.190136	0.042528
W02D7.7	sel-9	chrV	0.189820	0.043230
F10G8.5	ncs-2	chrI	0.189633	0.043036
F58A4.4	pri-1	chrIII	0.189375	0.049775
ZC513.6	oma-2	chrV	0.188947	0.039606
F10D11.1	sod-2	chrI	0.187889	0.044935
Y75B12B.1	Y75B12B.1	chrV	0.187739	0.043304
Y49E10.3	pph-4.2	chrIII	0.187389	0.046333
C16C10.6	ccdc-55	chrIII	0.186481	0.049548
Y71H2B.2	Y71H2B.2	chrIII	0.186403	0.048914
C34F6.2	col-178	chrX	0.186320	0.042515
F28H7.3	F28H7.3	chrV	0.186179	0.047949
W03D2.4	pcn-1	chrIV	0.186141	0.043000
F49C12.9	F49C12.9	chrIV	0.185925	0.047949
M18.8	M18.8	chrIV	0.185846	0.049468
C15H11.7	pas-1	chrV	0.184456	0.048522
F40F8.10	rps-9	chrII	0.184396	0.044344
F32D8.6	emo-1	chrV	0.183724	0.047643
F25H2.11	tct-1	chrI	0.181708	0.048278
W03G11.1	col-181	chrX	0.181621	0.048115
T05G5.10	iff-1	chrIII	0.180875	0.049523
K01G5.7	tbb-1	chrIII	-0.181777	0.048691
W10D5.3	gei-17	chrI	-0.183223	0.049809
ZK1251.9	dcaf-1	chrIV	-0.183995	0.049032
C32E8.8	ptr-2	chrI	-0.184067	0.046903
T19B10.8	T19B10.8	chrV	-0.185594	0.046938
M03C11.7	M03C11.7	chrIII	-0.186263	0.048013
T10B5.5	cct-7	chrV	-0.186992	0.042852
K04F10.4	bli-4	chrI	-0.188033	0.042572
F28B3.8	imb-1	chrI	-0.188289	0.043279
F08F3.2	acl-6	chrV	-0.188652	0.044382
F28D1.10	gex-3	chrIV	-0.188761	0.044011
T11G6.1	hars-1	chrIV	-0.188791	0.044011
C34F11.3	C34F11.3	chrII	-0.189127	0.045514
C51F7.1	frm-7	chrV	-0.189709	0.044658
F59E10.2	cyn-4	chrII	-0.189904	0.046334
ZK270.2	frm-1	chrI	-0.189923	0.040662
C04A2.7	dnj-5	chrII	-0.190013	0.038664
K08F9.2	aipl-1	chrV	-0.190225	0.040271
Y57G11C.15	Y57G11C.15	chrIV	-0.190519	0.037294
T04C9.1	T04C9.1	chrIII	-0.190520	0.042329
F13H10.4	F13H10.4	chrIV	-0.190742	0.040662
F37E3.1	ncbp-1	chrI	-0.190864	0.040662
T25B6.2	T25B6.2	chrX	-0.190881	0.043606
B0041.2	ain-2	chrI	-0.191143	0.039345
Y106G6H.7	sec-8	chrI	-0.191270	0.044996
C18E9.3	szy-20	chrII	-0.191458	0.043176
C13F10.6	C13F10.6	chrV	-0.191506	0.043566
W03F8.10	W03F8.10	chrIV	-0.191637	0.039697
C42D8.2	vit-2	chrX	-0.191647	0.035745
Y46G5A.17	cpt-1	chrII	-0.191713	0.037856
F26F12.3	F26F12.3	chrV	-0.191967	0.040935
T07A9.9	T07A9.9	chrIV	-0.192320	0.037437
E03A3.2	rcq-5	chrIII	-0.192982	0.049809
F29D11.2	capg-1	chrI	-0.193121	0.037080
C43E11.11	cogc-5	chrI	-0.193535	0.039606
T07A9.6	daf-18	chrIV	-0.193658	0.034427

T05C12.7	cct-1	chrII	-0.193788	0.034777
K04A8.6	dre-1	chrV	-0.194044	0.047315
ZK1058.1	mmcm-1	chrIII	-0.194243	0.036785
T21B10.7	cct-2	chrII	-0.194340	0.034465
B0414.7	mtk-1	chrI	-0.194615	0.037529
F16B4.8	cdc-25.2	chrV	-0.194995	0.042396
M106.4	M106.4	chrII	-0.195706	0.036297
W10G6.3	mua-6	chrX	-0.195967	0.039731
Y48E1A.1	Y48E1A.1	chrII	-0.196025	0.041758
B0361.3	B0361.3	chrIII	-0.196466	0.039606
T02G5.9	kars-1	chrII	-0.196502	0.031819
R03E1.1	sym-4	chrX	-0.196594	0.040464
T05G5.8	vps-53	chrIII	-0.196842	0.040945
C53A5.6	C53A5.6	chrV	-0.196987	0.035412
H27M09.4	dpy-14	chrI	-0.197231	0.034647
Y74C9A.4	Y74C9A.4	chrI	-0.197233	0.035976
C06A5.6	C06A5.6	chrI	-0.197568	0.033826
K03D10.3	mys-2	chrI	-0.197640	0.041903
R05G6.8	plc-4	chrIV	-0.197914	0.037675
T12E12.2	T12E12.2	chrIV	-0.197962	0.035625
D1044.6	D1044.6	chrIII	-0.198070	0.031966
F12F6.5	srgp-1	chrIV	-0.198360	0.030509
C28C12.10	tag-77	chrIV	-0.198676	0.035427
C13B9.3	C13B9.3	chrIII	-0.198797	0.032170
F20D12.2	F20D12.2	chrIV	-0.198808	0.031787
T19A6.2	ngp-1	chrI	-0.199220	0.032085
ZC506.1	ZC506.1	chrX	-0.199301	0.037082
T26A8.4	T26A8.4	chrIV	-0.199327	0.031966
F56A3.1	fncm-1	chrI	-0.199563	0.045326
C26D10.1	ran-3	chrII	-0.199936	0.029630
C44B7.11	C44B7.11	chrII	-0.200314	0.048191
F42G9.6	F42G9.6	chrIII	-0.200457	0.031882
Y47A7.1	Y47A7.1	chrV	-0.200869	0.036723
F28C6.6	suf-1	chrII	-0.200897	0.031423
H15N14.2	nsf-1	chrI	-0.201019	0.031677
Y71G12B.24	mppa-1	chrI	-0.201292	0.042253
C34B7.2	C34B7.2	chrI	-0.201542	0.031738
D2085.5	D2085.5	chrII	-0.201703	0.031312
C38D4.5	tag-325	chrIII	-0.202037	0.031895
F23H12.4	sqt-3	chrV	-0.202306	0.031121
ZC434.6	aph-2	chrI	-0.202384	0.032986
F09D1.1	F09D1.1	chrII	-0.202487	0.032746
Y71F9AL.10	Y71F9AL.10	chrI	-0.203134	0.049063
F46B6.7	ztf-7	chrV	-0.203536	0.025529
B0379.4	scpl-1	chrI	-0.203687	0.031557
T04F3.1	T04F3.1	chrV	-0.205042	0.028085
C05D2.10	C05D2.10	chrIII	-0.205165	0.030604
F52E4.7	sec-3	chrX	-0.205206	0.039983
D2013.7	eif-3.F	chrII	-0.205295	0.026171
R01H10.7	R01H10.7	chrIII	-0.205718	0.028076
Y105E8A.23	Y105E8A.23	chrI	-0.206192	0.031618
H24G06.1	H24G06.1	chrV	-0.206236	0.037244
Y34D9A.10	vps-4	chrI	-0.206387	0.027864
M02D8.4	asns-2	chrX	-0.206555	0.030166
T12G3.2	T12G3.2	chrIV	-0.206747	0.026996
JC8.10	unc-26	chrIV	-0.206752	0.033043
ZK353.6	lap-1	chrIII	-0.206775	0.025140
H02I12.1	cbd-1	chrIV	-0.206885	0.022231
Y43F4B.6	klp-19	chrIII	-0.207803	0.022470
K10B4.3	K10B4.3	chrII	-0.207920	0.048824
K04G2.3	cdc-48.3	chrI	-0.208158	0.031557
F54G8.3	ina-1	chrIII	-0.208213	0.027952
Y49E10.19	ani-1	chrIII	-0.208246	0.022238

F40F9.6	aagr-3	chrV	-0.208479	0.022317
R06C7.1	R06C7.1	chrI	-0.208597	0.021536
T01E8.5	T01E8.5	chrII	-0.209037	0.023729
Y48E1B.2	Y48E1B.2	chrII	-0.209132	0.029386
C34C12.3	pph-6	chrIII	-0.209342	0.028074
C05D11.9	C05D11.9	chrIII	-0.209346	0.024999
F22B5.9	fars-3	chrII	-0.209635	0.023242
K10C3.5	K10C3.5	chrI	-0.209835	0.026598
F45H7.2	gei-1	chrIII	-0.209921	0.048617
K11D2.3	unc-101	chrI	-0.210003	0.029548
Y116A8C.16	rom-4	chrIV	-0.210029	0.026868
Y38A8.3	ulp-2	chrII	-0.210316	0.022665
C14B1.10	C14B1.10	chrIII	-0.210369	0.026905
F59G1.3	vps-35	chrII	-0.210639	0.022049
Y48A6B.11	rsa-2	chrIII	-0.210764	0.022142
C02F12.4	tag-52	chrX	-0.210885	0.030892
H16O14.1	kcc-2	chrIV	-0.211087	0.028059
F35A5.1	F35A5.1	chrX	-0.211618	0.030625
K04G2.6	K04G2.6	chrI	-0.211770	0.025140
Y56A3A.27	top-3	chrIII	-0.211815	0.030322
F09C8.2	F09C8.2	chrX	-0.212548	0.026213
Y40B1B.8	Y40B1B.8	chrI	-0.212559	0.027737
H39E23.1	par-1	chrV	-0.212848	0.020820
T25G3.4	T25G3.4	chrI	-0.213053	0.020441
F58B3.5	mars-1	chrIV	-0.213245	0.019437
T21G5.5	asd-2	chrI	-0.213468	0.031394
T10G3.5	eea-1	chrV	-0.213625	0.020667
ZK524.4	ZK524.4	chrI	-0.213840	0.021496
C36A4.4	C36A4.4	chrIII	-0.214012	0.036336
T20B12.1	T20B12.1	chrIII	-0.214141	0.023101
T05A6.1	cki-1	chrII	-0.214154	0.047643
E04A4.4	hoe-1	chrIV	-0.214413	0.019796
K08D8.6	K08D8.6	chrIV	-0.214538	0.026654
F52D1.1	aagr-4	chrX	-0.215044	0.028565
F59A2.1	npp-9	chrIII	-0.215084	0.017310
C06A5.7	unc-94	chrI	-0.215149	0.021945
F53C11.5	F53C11.5	chrV	-0.215657	0.018357
W08F4.6	mlt-8	chrII	-0.215749	0.036114
R08D7.3	eif-3.D	chrIII	-0.215822	0.017963
C01C7.1	ark-1	chrIV	-0.215929	0.021969
C10G6.1	egal-1	chrIV	-0.216031	0.036146
F11E6.7	F11E6.7	chrIV	-0.216130	0.017636
D1009.1	acs-22	chrX	-0.216158	0.023782
K03D10.1	kal-1	chrI	-0.216208	0.048413
T20B5.3	oga-1	chrX	-0.216408	0.030293
R02D3.4	R02D3.4	chrIV	-0.216585	0.019898
C14B9.8	C14B9.8	chrIII	-0.216680	0.019395
Y56A3A.17	npp-16	chrIII	-0.217093	0.019942
W08D2.5	catp-6	chrIV	-0.217963	0.017303
C07H6.3	cls-1	chrIII	-0.218332	0.028050
C14H10.2	C14H10.2	chrX	-0.218390	0.031639
F35G12.3	sel-5	chrIII	-0.218555	0.017579
B0350.2	unc-44	chrIV	-0.218727	0.016320
F27D9.1	unc-18	chrX	-0.218909	0.020678
C15C8.3	C15C8.3	chrV	-0.219075	0.024169
C43H6.4	C43H6.4	chrX	-0.219147	0.045989
C24H12.4	C24H12.4	chrII	-0.219227	0.018740
ZK829.4	ZK829.4	chrIV	-0.219278	0.014848
Y57G11C.24	eps-8	chrIV	-0.219632	0.020372
Y17G7B.15	cnt-1	chrII	-0.219683	0.021532
F33G12.5	F33G12.5	chrII	-0.219784	0.016184
K08A8.2	sox-2	chrX	-0.219972	0.033408
T23G7.4	sec-5	chrII	-0.220265	0.018069

K07C11.4	K07C11.4	chrV	-0.220352	0.039664
F56D2.6	F56D2.6	chrIII	-0.220475	0.015775
M03F8.3	M03F8.3	chrV	-0.220599	0.015662
C02E11.1	nra-4	chrV	-0.220864	0.015563
C36E8.5	tbb-2	chrIII	-0.221304	0.013743
F52G2.2	rsd-2	chrIV	-0.221579	0.015542
C10H11.8	C10H11.8	chrI	-0.221753	0.022674
F11C7.4	crb-1	chrX	-0.222091	0.030763
C44F1.5	acy-3	chrIII	-0.222443	0.049282
F44F1.7	vet-6	chrI	-0.222460	0.028878
ZK1127.11	him-14	chrII	-0.222506	0.026384
C37H5.8	hsp-6	chrV	-0.222636	0.013481
C35B1.1	ubc-1	chrIV	-0.222651	0.026656
H14N18.1	unc-23	chrV	-0.222745	0.032287
C07H6.5	cgh-1	chrIII	-0.223253	0.012818
C50F2.4	C50F2.4	chrI	-0.223867	0.042815
D1081.2	unc-120	chrI	-0.224163	0.031882
ZK1067.6	sym-2	chrII	-0.224376	0.043569
F55C12.5	F55C12.5	chrII	-0.224416	0.014113
D2013.9	ttII-12	chrII	-0.224810	0.015760
F28B4.2	rgl-1	chrX	-0.224908	0.024278
T11G6.5	T11G6.5	chrIV	-0.224946	0.014033
F32H2.3	spd-2	chrI	-0.225392	0.013098
C04F12.1	C04F12.1	chrI	-0.225568	0.016008
F32B6.2	F32B6.2	chrIV	-0.226065	0.013253
C41C4.8	cdc-48.2	chrII	-0.226151	0.011918
C50F4.11	mdf-1	chrV	-0.226700	0.012939
B0464.1	dars-1	chrIII	-0.226780	0.012312
Y71F9AL.12	Y71F9AL.12	chrI	-0.227265	0.017633
H19N07.1	H19N07.1	chrV	-0.227341	0.011886
F29B9.2	F29B9.2	chrIV	-0.227806	0.012529
Y34D9A.3	Y34D9A.3	chrI	-0.227841	0.017268
Y73B6BL.33	hrpf-2	chrIV	-0.228076	0.012848
Y92H12BL.1	Y92H12BL.1	chrI	-0.228476	0.018549
Y38C9A.1	Y38C9A.1	chrV	-0.228999	0.013851
Y38F2AL.4	vha-3	chrIV	-0.229312	0.013572
C55A6.2	ttII-5	chrV	-0.229636	0.012470
T27A3.2	T27A3.2	chrI	-0.229671	0.011744
C01H6.9	C01H6.9	chrI	-0.230154	0.015068
T05H10.5	ufd-2	chrII	-0.230513	0.010819
R13H4.4	hmp-1	chrV	-0.230902	0.011124
C36C9.1	C36C9.1	chrX	-0.231367	0.015917
T19B4.5	T19B4.5	chrI	-0.231478	0.011807
W03H9.4	cacn-1	chrII	-0.231762	0.011962
F59D8.1	vit-3	chrX	-0.232034	0.009767
F45F2.10	F45F2.10	chrV	-0.232479	0.010290
F59D8.2	vit-4	chrX	-0.232587	0.010069
F55A3.3	F55A3.3	chrI	-0.232696	0.009761
Y110A7A.17	mat-1	chrI	-0.232713	0.010352
C01B7.1	ztf-12	chrV	-0.232936	0.013350
T24H7.2	T24H7.2	chrII	-0.233091	0.009798
B0212.3	B0212.3	chrIV	-0.233773	0.031247
F32G8.6	cat-4	chrV	-0.233858	0.013070
T25C12.1	lin-14	chrX	-0.234131	0.030635
W05B2.1	col-94	chrIII	-0.234150	0.022200
D2085.4	D2085.4	chrII	-0.234978	0.010746
C04A2.3	egl-27	chrII	-0.235081	0.009310
DY3.7	sup-17	chrI	-0.235387	0.009165
C44H4.2	sym-5	chrX	-0.235418	0.041840
K04H4.6	crn-6	chrIII	-0.235518	0.036132
F02G3.1	ncam-1	chrX	-0.235751	0.013853
F59E12.1	F59E12.1	chrII	-0.235844	0.009408
C47E8.7	unc-112	chrV	-0.235955	0.010744

F46C3.1	pek-1	chrX	-0.236231	0.013458
K03A1.5	sur-5	chrX	-0.236278	0.010017
Y39B6A.2	pph-5	chrV	-0.236626	0.012030
F22B3.4	F22B3.4	chrIV	-0.237123	0.008009
ZC168.1	ncx-3	chrIV	-0.237364	0.018346
Y18D10A.6	nhx-8	chrI	-0.237383	0.022586
C18B2.5	C18B2.5	chrX	-0.237710	0.010243
W09G10.4	apd-3	chrII	-0.238238	0.010190
C05C8.7	C05C8.7	chrV	-0.238275	0.011193
C26H9A.1	vha-7	chrIV	-0.238372	0.008777
R05D8.8	dhs-14	chrV	-0.238469	0.047457
ZK637.8	unc-32	chrIII	-0.238881	0.008109
F46F3.4	ape-1	chrV	-0.238901	0.008074
T08G11.4	T08G11.4	chrI	-0.238907	0.010064
M110.1	col-76	chrII	-0.238938	0.026733
T23D8.9	sys-1	chrI	-0.239113	0.011292
C48D1.2	ced-3	chrIV	-0.239297	0.008098
K03H1.2	mog-1	chrIII	-0.239330	0.008038
Y65B4BL.2	deps-1	chrI	-0.239350	0.008128
F35B3.5	pqn-34	chrX	-0.239371	0.011896
F09C3.1	pes-7	chrI	-0.239862	0.018320
F54H12.1	aco-2	chrIII	-0.240279	0.007103
W01A11.3	unc-83	chrV	-0.240334	0.010316
Y61A9LA.10	Y61A9LA.10	chrV	-0.240469	0.008220
ZC504.4	mig-15	chrX	-0.240715	0.011226
F41H10.6	hdac-6	chrIV	-0.240721	0.007933
Y105E8A.19	Y105E8A.19	chrI	-0.240870	0.008659
R148.3	R148.3	chrIII	-0.240935	0.008370
Y48G8AL.1	Y48G8AL.1	chrI	-0.241340	0.009144
ZK686.2	ZK686.2	chrIII	-0.241425	0.008766
K07F5.13	npp-1	chrIV	-0.241507	0.007785
F18E2.2	abcf-1	chrV	-0.242141	0.007461
Y56A3A.31	Y56A3A.31	chrIII	-0.242364	0.013572
Y113G7B.18	mdt-17	chrV	-0.242462	0.007917
Y40B1A.4	sptf-3	chrI	-0.242507	0.009368
W02B3.2	grk-2	chrIII	-0.242616	0.036590
T05E8.3	T05E8.3	chrI	-0.242767	0.008037
F21D5.3	F21D5.3	chrIV	-0.242929	0.019240
Y73F8A.25	Y73F8A.25	chrIV	-0.243030	0.008170
H20J04.2	H20J04.2	chrII	-0.243657	0.007516
F47G4.3	gpdh-1	chrI	-0.243657	0.021539
C47D12.8	C47D12.8	chrII	-0.243820	0.007984
C04F1.3	lim-7	chrI	-0.243907	0.047886
K07C11.9	cogc-6	chrV	-0.244136	0.008560
ZK792.5	ZK792.5	chrIV	-0.244474	0.007460
T02C12.1	hum-5	chrIII	-0.244479	0.009837
F07A11.3	npp-5	chrII	-0.244944	0.007044
W05E10.3	ceh-32	chrV	-0.245171	0.014995
Y105C5A.1	Y105C5A.1	chrIV	-0.245202	0.018385
Y38F2AL.1	nsy-4	chrIV	-0.245252	0.030763
C14B9.2	C14B9.2	chrIII	-0.245294	0.008055
D1081.8	D1081.8	chrI	-0.245459	0.006239
C02C6.1	dyn-1	chrX	-0.245581	0.007653
W03D8.6	itx-1	chrI	-0.246012	0.013468
ZK546.1	zyg-12	chrII	-0.246209	0.006311
Y41E3.4	qars-1	chrIV	-0.246390	0.006283
F09F7.4	F09F7.4	chrIII	-0.246482	0.005934
ZK512.3	ced-11	chrIII	-0.247081	0.024421
Y71G12B.9	lin-65	chrI	-0.247289	0.008063
Y37A1B.1	lst-3	chrIV	-0.247314	0.005560
C07H6.4	C07H6.4	chrIII	-0.247342	0.006281
F01E11.1	ugt-57	chrX	-0.247483	0.046857
F48A11.5	ubxn-3	chrII	-0.247574	0.005900

T13H5.6	T13H5.6	chrII	-0.247660	0.023822
T14G10.5	T14G10.5	chrIV	-0.247806	0.005795
F40F4.6	F40F4.6	chrX	-0.247850	0.005603
R12B2.5	mdt-15	chrIII	-0.248000	0.005954
C10G11.7	C10G11.7	chrI	-0.248111	0.005482
C14A4.4	cm-3	chrII	-0.248511	0.005845
F46B6.5	F46B6.5	chrV	-0.248522	0.005902
W04G3.8	lpr-3	chrX	-0.248743	0.011918
F32A6.3	vps-41	chrX	-0.248764	0.015936
K02E10.2	hid-1	chrX	-0.248806	0.010776
C28A5.4	ceh-43	chrIII	-0.248989	0.020912
C49C3.4	C49C3.4	chrIV	-0.249370	0.006339
B0302.1	kin-25	chrX	-0.249399	0.008444
F20D6.11	F20D6.11	chrV	-0.249458	0.020041
F13E9.11	F13E9.11	chrIV	-0.249749	0.011076
R144.2	pcf-11	chrIII	-0.249859	0.005993
K03H1.5	K03H1.5	chrIII	-0.250634	0.031408
Y65B4BR.3	ptr-21	chrI	-0.250656	0.009999
R11E3.8	dpf-5	chrIV	-0.250776	0.005234
F49E12.6	F49E12.6	chrII	-0.251043	0.011707
F18E2.3	scc-3	chrV	-0.251624	0.005100
W03G11.4	W03G11.4	chrX	-0.251665	0.014977
K04H4.1	emb-9	chrIII	-0.251752	0.004801
F26G1.1	F26G1.1	chrII	-0.252010	0.005892
T09E8.1	T09E8.1	chrV	-0.252336	0.004869
F23D12.5	F23D12.5	chrX	-0.252358	0.030231
D2005.5	drh-3	chrI	-0.252617	0.005368
R09A8.3	tag-147	chrX	-0.252982	0.005357
F10C2.4	F10C2.4	chrV	-0.253045	0.004919
Y45G12B.1	nuo-5	chrV	-0.253148	0.004823
Y106G6D.7	Y106G6D.7	chrI	-0.253171	0.005539
Y55F3AM.15	csn-4	chrIV	-0.253320	0.006068
T19D12.4	T19D12.4	chrII	-0.253620	0.011886
C04E6.11	C04E6.11	chrV	-0.253812	0.005990
M01G12.12	rrf-2	chrI	-0.253854	0.042253
Y51A2D.7	Y51A2D.7	chrV	-0.253878	0.009147
T10F2.1	gars-1	chrIII	-0.254101	0.004604
C09D8.1	ptp-3	chrII	-0.254178	0.005452
T23H2.1	npp-12	chrI	-0.254487	0.004532
ZK662.4	lin-15B	chrX	-0.254925	0.006231
Y82E9BR.18	Y82E9BR.18	chrIII	-0.254933	0.006026
C07A9.3	tlk-1	chrIII	-0.255114	0.004186
F26H11.2	nurf-1	chrII	-0.255305	0.004300
K01A6.2	magi-1	chrIV	-0.255352	0.005928
C42C1.11	C42C1.11	chrIV	-0.255374	0.005540
F32H2.1	gei-11	chrI	-0.255437	0.004747
F10G7.1	tag-151	chrII	-0.255481	0.004678
F21G4.6	F21G4.6	chrX	-0.256138	0.010902
D1007.15	D1007.15	chrI	-0.256386	0.012733
W06B4.3	vps-18	chrII	-0.256486	0.006529
T23B12.4	T23B12.4	chrV	-0.256584	0.004317
Y110A7A.1	hcp-6	chrI	-0.256747	0.004261
VW02B12L.1	vha-6	chrII	-0.256843	0.004152
Y39A3CL.7	Y39A3CL.7	chrIII	-0.256874	0.005732
F37D6.1	mus-101	chrI	-0.257286	0.004639
C01B10.5	hil-7	chrIV	-0.257559	0.011500
F46C8.6	dpy-7	chrX	-0.257765	0.016433
T12G3.4	T12G3.4	chrIV	-0.257811	0.014228
F23H11.2	F23H11.2	chrIII	-0.257981	0.005832
Y48A6C.5	pha-1	chrIII	-0.258056	0.018385
M03A8.2	atg-2	chrX	-0.258060	0.005485
F32B4.4	F32B4.4	chrI	-0.258544	0.006083
T27B1.2	ztf-19	chrX	-0.258981	0.016333

Y39H10A.6	Y39H10A.6	chrV	-0.259006	0.012252
F53F4.11	F53F4.11	chrV	-0.259918	0.003842
F18E9.5	tag-279	chrX	-0.260089	0.009467
F01G4.3	F01G4.3	chrIV	-0.260173	0.004240
F02E8.4	F02E8.4	chrX	-0.260344	0.004299
Y73B6BL.18	smg-3	chrIV	-0.260352	0.004116
F33G12.6	F33G12.6	chrII	-0.260404	0.012383
F20C5.2	klp-11	chrIV	-0.260429	0.017866
T13F2.3	pis-1	chrIV	-0.260590	0.004240
F20B10.1	nlr-1	chrIV	-0.260752	0.014640
T21B6.1	dgn-1	chrX	-0.260781	0.005494
K10D2.1	K10D2.1	chrIII	-0.260862	0.004178
F33C8.1	tag-53	chrX	-0.260880	0.004934
F31E3.5	eef-1A.1	chrIII	-0.260971	0.003115
R13A1.2	kcc-1	chrIV	-0.261230	0.003958
T02E9.5	T02E9.5	chrV	-0.261808	0.005548
ZK337.1	tep-1	chrI	-0.261905	0.005358
B0464.4	bre-3	chrIII	-0.262014	0.004358
ZC376.2	ZC376.2	chrV	-0.262035	0.013859
T24C4.2	T24C4.2	chrIII	-0.262302	0.013710
H06O01.2	H06O01.2	chrI	-0.262321	0.004057
ZK520.4	cul-2	chrIII	-0.262344	0.003300
C54G7.3	lgx-1	chrX	-0.262510	0.042160
C47E8.8	set-5	chrV	-0.262538	0.004956
F52C9.8	pqe-1	chrIII	-0.262620	0.003245
F47A4.2	dpy-22	chrX	-0.263570	0.003612
Y59A8B.6	Y59A8B.6	chrV	-0.263623	0.003414
T20B12.6	mml-1	chrIII	-0.263952	0.005848
F11A6.1	kpc-1	chrI	-0.264154	0.008059
T04G9.1	T04G9.1	chrX	-0.264405	0.009285
ZC477.9	deb-1	chrIV	-0.264425	0.003696
C14H10.3	C14H10.3	chrX	-0.264805	0.008009
M79.1	abl-1	chrX	-0.265112	0.004812
F16D3.2	rsd-6	chrI	-0.266073	0.003033
C23G10.8	C23G10.8	chrIII	-0.266074	0.002977
K07C5.8	cash-1	chrV	-0.266452	0.002769
C35E7.5	C35E7.5	chrI	-0.266895	0.003169
C08H9.2	C08H9.2	chrII	-0.267143	0.002479
T21C9.2	vps-54	chrV	-0.267308	0.003290
T12F5.4	lin-59	chrI	-0.267653	0.003208
F08B4.6	hst-1	chrIV	-0.267669	0.003623
T19A5.1	T19A5.1	chrV	-0.267693	0.002790
E04D5.1	E04D5.1	chrII	-0.267816	0.002552
Y39A1C.2	oxi-1	chrIII	-0.267968	0.003467
F36H1.2	tag-144	chrIV	-0.267977	0.002935
F13D2.1	F13D2.1	chrX	-0.268265	0.021526
Y32B12B.4	Y32B12B.4	chrV	-0.268355	0.003462
R06F6.2	vps-11	chrII	-0.268401	0.003667
C27H2.2	C27H2.2	chrIV	-0.268435	0.013130
C29F3.7	C29F3.7	chrV	-0.268733	0.004332
F25B5.1	dct-6	chrIII	-0.268892	0.004694
F22B8.4	F22B8.4	chrV	-0.269312	0.036875
Y41D4A.5	Y41D4A.5	chrIV	-0.269392	0.003031
F56D12.6	F56D12.6	chrII	-0.269558	0.002953
F55C7.7	unc-73	chrI	-0.269565	0.003193
B0416.1	B0416.1	chrX	-0.269838	0.025071
F11C3.3	unc-54	chrI	-0.269859	0.002207
K10C3.4	K10C3.4	chrI	-0.269910	0.002993
Y39G10AR.10	epg-2	chrI	-0.269994	0.002793
T05E11.3	T05E11.3	chrIV	-0.270033	0.002251
F44B9.6	lin-36	chrIII	-0.270112	0.002555
C54C6.2	ben-1	chrIII	-0.270112	0.004099
R09H10.5	R09H10.5	chrIV	-0.270480	0.002870

T21B10.3	T21B10.3	chrII	-0.270731	0.002402
T26A5.2	T26A5.2	chrIII	-0.270924	0.003305
F29D10.4	hum-1	chrI	-0.271350	0.002655
B0523.5	fli-1	chrIII	-0.271631	0.002575
T22F3.3	T22F3.3	chrV	-0.272013	0.002051
F20D12.4	czw-1	chrIV	-0.272106	0.002287
F43G9.12	F43G9.12	chrI	-0.272162	0.002881
F12F6.1	F12F6.1	chrIV	-0.272431	0.002284
W03C9.2	W03C9.2	chrII	-0.272580	0.011276
Y49E10.21	Y49E10.21	chrIII	-0.273020	0.004132
R03G5.1	eef-1A.2	chrX	-0.273272	0.002046
C33F10.4	C33F10.4	chrII	-0.273282	0.017835
Y46G5A.1	tbc-17	chrII	-0.273388	0.003203
B0024.10	B0024.10	chrV	-0.273810	0.002967
C04H5.6	mog-4	chrII	-0.273982	0.002529
C36A4.8	brc-1	chrIII	-0.274105	0.003841
ZK512.5	sec-16	chrIII	-0.274208	0.002179
C37H5.5	C37H5.5	chrV	-0.274308	0.002653
W02B12.1	W02B12.1	chrII	-0.274437	0.008109
ZK856.13	tag-315	chrV	-0.274699	0.002271
Y119C1B.8	bet-1	chrI	-0.274778	0.002183
Y59A8B.23	gck-3	chrV	-0.275303	0.002720
T08B2.7	T08B2.7	chrI	-0.275482	0.001875
C29E4.4	npp-15	chrIII	-0.275760	0.002111
Y49E10.11	tat-1	chrIII	-0.275827	0.002190
K03H1.11	K03H1.11	chrIII	-0.275835	0.008801
F47F6.1	lin-42	chrII	-0.275879	0.019188
Y48G1A.4	Y48G1A.4	chrI	-0.276009	0.003247
F59F3.1	ver-3	chrX	-0.276126	0.003479
W03F11.6	afd-1	chrI	-0.276681	0.002417
Y92H12BR.3	Y92H12BR.3	chrI	-0.277047	0.001905
F08G12.1	F08G12.1	chrX	-0.277472	0.010292
C01B7.6	rpm-1	chrV	-0.277506	0.005651
Y51H4A.12	set-26	chrIV	-0.277570	0.005740
W10C6.1	mat-2	chrII	-0.277578	0.001859
Y39E4B.7	Y39E4B.7	chrIII	-0.277656	0.003533
F14F4.3	mrp-5	chrX	-0.278021	0.002099
F49E7.1	rme-6	chrX	-0.278103	0.004152
B0414.6	glh-3	chrI	-0.278506	0.002519
Y79H2A.3	Y79H2A.3	chrIII	-0.278725	0.002085
T01H10.8	T01H10.8	chrX	-0.278856	0.009333
C44F1.1	C44F1.1	chrIII	-0.278928	0.034995
Y56A3A.1	ntl-3	chrIII	-0.279355	0.001841
C16H3.3	C16H3.3	chrX	-0.279383	0.006047
T05A7.11	T05A7.11	chrII	-0.279617	0.038430
Y71H2AM.17	Y71H2AM.17	chrIII	-0.279670	0.002515
F46G10.5	ptr-24	chrX	-0.280283	0.002779
F20B6.3	mrp-6	chrX	-0.280445	0.009889
K04B12.3	smg-8	chrII	-0.280884	0.002462
C15H9.4	C15H9.4	chrX	-0.281361	0.003055
D2045.1	atx-2	chrIII	-0.281483	0.001524
C34E11.3	tag-241	chrX	-0.281589	0.006163
F33D4.2	itr-1	chrIV	-0.281724	0.001903
M01E11.7	tag-163	chrI	-0.281805	0.002863
H26D21.2	msh-2	chrI	-0.281818	0.001711
Y110A7A.9	Y110A7A.9	chrI	-0.282180	0.001664
F36D4.3	hum-2	chrV	-0.282399	0.001487
F54D5.14	smc-6	chrII	-0.282426	0.001433
W02A2.6	rec-8	chrIV	-0.282736	0.001903
F44A2.1	tag-153	chrV	-0.283043	0.001477
C47G2.5	saps-1	chrII	-0.283131	0.001489
C06E1.10	rha-2	chrIII	-0.283239	0.003370
Y106G6H.2	pab-1	chrI	-0.283337	0.001242

T22C1.10	rbg-2	chrI	-0.283372	0.001782
B0218.3	pmk-1	chrIV	-0.283548	0.004930
F17C11.10	F17C11.10	chrV	-0.283571	0.001379
C27A2.1	smc-5	chrII	-0.283616	0.001412
T14B4.7	dpy-10	chrII	-0.283703	0.003185
W09G3.6	W09G3.6	chrI	-0.283812	0.001751
R10E4.4	mcm-5	chrIII	-0.284100	0.001314
Y54E10BL.6	mek-2	chrI	-0.284136	0.002359
F56A3.3	npp-6	chrI	-0.284489	0.001364
C07D10.5	C07D10.5	chrII	-0.284711	0.004058
B0464.6	B0464.6	chrIII	-0.284803	0.001408
T11F8.3	rme-2	chrIV	-0.285116	0.001166
T19B4.2	npp-7	chrI	-0.285449	0.001208
F55B11.1	F55B11.1	chrIV	-0.285535	0.004179
C07E3.1	stip-1	chrII	-0.285726	0.001595
F52B10.1	nmy-1	chrX	-0.285891	0.001267
W07A8.2	W07A8.2	chrV	-0.285917	0.001460
F23B2.11	pcp-3	chrIV	-0.286285	0.002170
M106.2	M106.2	chrII	-0.286296	0.001835
K08F4.2	K08F4.2	chrIV	-0.286426	0.001167
Y48G1A.5	xpo-2	chrI	-0.286493	0.001225
F55A3.1	marc-6	chrI	-0.286680	0.001363
Y110A7A.16	elpc-1	chrI	-0.286768	0.001371
K08E7.9	pgp-1	chrIV	-0.286790	0.003936
Y56A3A.12	faah-4	chrIII	-0.287323	0.001942
F35E12.5	F35E12.5	chrV	-0.287748	0.006531
Y48G1C.11	Y48G1C.11	chrI	-0.288112	0.003387
Y47D3B.7	sbp-1	chrIII	-0.288237	0.003253
F28B3.1	F28B3.1	chrI	-0.288682	0.001367
C29F3.1	ech-1	chrV	-0.288745	0.016242
C02F5.1	knI-1	chrIII	-0.288762	0.001163
F19B6.1	F19B6.1	chrIV	-0.289599	0.001125
F02C12.1	F02C12.1	chrX	-0.290241	0.012070
F13B12.6	F13B12.6	chrIV	-0.290277	0.001250
T21G5.3	glh-1	chrI	-0.290398	0.000992
T08H4.1	rhgf-2	chrII	-0.291316	0.005115
ZK1098.3	ZK1098.3	chrIII	-0.292245	0.008246
C44H4.3	sym-1	chrX	-0.292322	0.001596
Y45F10A.6	tbc-9	chrIV	-0.292851	0.001062
Y23H5B.5	Y23H5B.5	chrI	-0.292979	0.001252
F37B4.7	folT-2	chrV	-0.293266	0.000876
Y75B8A.22	tim-1	chrIII	-0.293697	0.000943
K07C6.5	cyp-35A5	chrV	-0.293937	0.008449
T19B10.5	T19B10.5	chrV	-0.294064	0.005427
K11G9.4	egl-46	chrV	-0.294118	0.003876
Y59H11AR.2	catp-7	chrIV	-0.294542	0.001657
F56A3.4	spd-5	chrI	-0.294899	0.000793
B0285.7	mnp-1	chrIII	-0.294935	0.002088
Y52B11A.10	Y52B11A.10	chrI	-0.294996	0.001893
R08E3.1	R08E3.1	chrX	-0.295009	0.001314
F14E5.2	F14E5.2	chrII	-0.295065	0.000839
F15B10.2	drh-1	chrIV	-0.295105	0.001376
T14E8.1	T14E8.1	chrX	-0.295574	0.001838
T24C4.6	zer-1	chrIII	-0.295682	0.000838
C25A11.4	ajm-1	chrX	-0.295749	0.001046
Y18D10A.1	Y18D10A.1	chrI	-0.295766	0.001121
T22H6.2	alh-13	chrX	-0.296003	0.001799
C14B4.2	C14B4.2	chrV	-0.296171	0.005456
W04D2.1	atn-1	chrV	-0.296456	0.000878
F49D11.10	F49D11.10	chrI	-0.296743	0.002608
Y76A2A.2	cua-1	chrIII	-0.296797	0.000905
Y119D3B.14	Y119D3B.14	chrIII	-0.296931	0.001762
F54B3.3	atad-3	chrII	-0.297431	0.000833

F11D5.3	ddr-2	chrX	-0.297455	0.007178
ZC101.2	unc-52	chrII	-0.297559	0.000757
R13F6.10	cra-1	chrIII	-0.297628	0.000819
F10B5.7	rrf-3	chrII	-0.298585	0.000888
C34F6.10	C34F6.10	chrX	-0.298599	0.001899
Y41D4B.21	nhr-274	chrIV	-0.298670	0.002145
ZK945.3	puf-12	chrII	-0.298912	0.000726
F28H1.3	aars-2	chrI	-0.298935	0.000667
C04G2.6	dis-3	chrIV	-0.299044	0.000796
Y55F3AM.6	Y55F3AM.6	chrIV	-0.299185	0.002100
B0365.3	eat-6	chrV	-0.299204	0.000616
W02B8.2	W02B8.2	chrII	-0.299278	0.001245
F40F12.5	cyld-1	chrIII	-0.299745	0.000707
C49H3.10	xpo-3	chrIV	-0.299977	0.000738
F07A11.6	din-1	chrII	-0.300124	0.000790
K04D7.5	gon-4	chrIV	-0.300652	0.000741
F32F2.1	uig-1	chrV	-0.301416	0.004750
F26E4.10	drsh-1	chrI	-0.301700	0.000739
W04A8.4	W04A8.4	chrI	-0.301756	0.001595
F11D5.1	F11D5.1	chrX	-0.301790	0.006070
Y71F9B.10	sop-3	chrI	-0.301887	0.000740
Y47D3A.6	tra-1	chrIII	-0.301941	0.002692
F52C9.1	F52C9.1	chrIII	-0.302450	0.001613
F14B8.5	F14B8.5	chrX	-0.302542	0.008292
H28G03.6	mtm-5	chrX	-0.302567	0.001667
Y71A12B.9	usp-3	chrI	-0.302874	0.004426
Y113G7B.23	psa-1	chrV	-0.302948	0.000761
D2021.1	utx-1	chrX	-0.303136	0.001267
F56D1.4	clr-1	chrII	-0.303387	0.000609
F27D4.2	lsy-22	chrI	-0.303469	0.000815
C14C10.4	C14C10.4	chrV	-0.303645	0.000614
F39H11.2	tlf-1	chrI	-0.303713	0.000793
F42A9.2	lin-49	chrIV	-0.303808	0.000699
Y64G10A.7	Y64G10A.7	chrIV	-0.303821	0.009368
Y25C1A.5	Y25C1A.5	chrII	-0.304050	0.000579
Y37E3.17	Y37E3.17	chrI	-0.304063	0.000579
Y110A7A.19	Y110A7A.19	chrI	-0.304112	0.000971
C55B7.1	glh-2	chrI	-0.304389	0.000610
F33E11.6	F33E11.6	chrV	-0.304585	0.001277
ZC518.2	sec-24.2	chrIV	-0.304720	0.000691
F39G3.3	F39G3.3	chrV	-0.305107	0.001599
C07G2.3	cct-5	chrIII	-0.305553	0.000479
F54B11.3	unc-84	chrX	-0.305806	0.000663
C18C4.3	ugt-48	chrV	-0.305822	0.017209
Y71H2B.10	apb-1	chrIII	-0.306205	0.000606
ZK370.3	hipr-1	chrIII	-0.306448	0.000586
D1022.7	aka-1	chrII	-0.306775	0.000479
F59A3.3	F59A3.3	chrI	-0.307111	0.002860
Y55F3AR.2	Y55F3AR.2	chrIV	-0.307532	0.001347
C16A3.7	tag-182	chrIII	-0.307546	0.000471
Y73B6BL.6	sqd-1	chrIV	-0.307688	0.000423
C06G1.4	ain-1	chrX	-0.307976	0.000551
W04G3.3	lpr-4	chrX	-0.308098	0.013266
C18C4.5	C18C4.5	chrV	-0.308296	0.001134
B0457.1	lat-1	chrII	-0.308822	0.000459
F11A10.1	lex-1	chrIV	-0.309011	0.000432
R06A4.2	R06A4.2	chrII	-0.309127	0.000725
C06A1.1	cdc-48.1	chrII	-0.309288	0.000388
Y38E10A.22	Y38E10A.22	chrII	-0.309558	0.000788
B0365.1	B0365.1	chrV	-0.309721	0.000422
T01G1.1	klp-12	chrIV	-0.309809	0.000455
W06D4.6	rad-54	chrI	-0.310166	0.000757
W07E6.1	nol-1	chrII	-0.310206	0.000508

C48B4.1	C48B4.1	chrIII	-0.310440	0.000695
ZK328.5	npp-10	chrIII	-0.310816	0.000379
ZK1151.1	vab-10	chrI	-0.310989	0.000386
Y71H2B.5	Y71H2B.5	chrIII	-0.311849	0.001031
ZK675.1	ptc-1	chrII	-0.312059	0.000356
Y67A10A.9	Y67A10A.9	chrIV	-0.312456	0.011510
M106.1	mix-1	chrII	-0.312659	0.000400
W09B6.1	pod-2	chrII	-0.312729	0.000352
C06G3.6	C06G3.6	chrIV	-0.313499	0.001057
R03E9.2	R03E9.2	chrX	-0.313585	0.011185
D2013.5	eat-3	chrII	-0.313712	0.000394
T09B4.5	T09B4.5	chrI	-0.313743	0.000489
R03H10.2	R03H10.2	chrII	-0.314363	0.009956
B0412.3	B0412.3	chrIII	-0.314550	0.000445
Y67D8A.1	Y67D8A.1	chrIV	-0.314648	0.000489
C04H5.1	C04H5.1	chrII	-0.314749	0.002088
R10E4.11	R10E4.11	chrIII	-0.314813	0.000698
T06E4.1	hcp-2	chrV	-0.315451	0.000334
F15D4.1	btf-1	chrII	-0.315460	0.000427
Y51H7C.6	cogc-4	chrII	-0.315487	0.000419
C44B7.8	pmp-1	chrII	-0.315557	0.001039
ZK1248.3	ehs-1	chrII	-0.316145	0.000409
Y54F10BM.2	iffb-1	chrIII	-0.316484	0.000328
K09H11.3	rga-3	chrV	-0.316550	0.000354
D1043.1	D1043.1	chrII	-0.316892	0.000398
C37A2.5	pqn-21	chrI	-0.316945	0.000645
F46C3.3	hum-4	chrX	-0.317034	0.000694
B0511.12	B0511.12	chrI	-0.317036	0.000329
F18C5.2	wrn-1	chrII	-0.317144	0.000464
Y105E8A.26	zoo-1	chrI	-0.317366	0.000956
B0041.7	xnp-1	chrI	-0.317517	0.000325
T23D8.4	eif-3.C	chrI	-0.317871	0.000273
R05F9.12	aagr-2	chrII	-0.318112	0.000290
ZK930.1	ZK930.1	chrII	-0.318242	0.000354
Y48B6A.3	xrn-2	chrII	-0.318314	0.000381
ZK1055.1	hcp-1	chrV	-0.318668	0.000263
R05H10.5	R05H10.5	chrII	-0.318811	0.000454
F47A4.3	rrc-1	chrX	-0.319429	0.016544
T05H10.7	T05H10.7	chrII	-0.319565	0.000330
F22D3.2	F22D3.2	chrII	-0.319875	0.000358
F53F10.2	F53F10.2	chrI	-0.320494	0.000269
ZK1236.3	sor-1	chrIII	-0.320649	0.000522
C35C5.6	C35C5.6	chrX	-0.320658	0.000877
ZK783.4	flt-1	chrIII	-0.320697	0.000396
C35E7.6	C35E7.6	chrI	-0.320756	0.001778
T23D8.1	mom-5	chrI	-0.321123	0.000268
Y37E3.10	Y37E3.10	chrI	-0.321221	0.000259
Y53F4B.42	Y53F4B.42	chrII	-0.321271	0.006767
F55A12.8	F55A12.8	chrI	-0.321439	0.000353
F01G12.5	let-2	chrX	-0.322100	0.000218
F46H5.4	F46H5.4	chrX	-0.322148	0.000476
F28B3.7	him-1	chrI	-0.322487	0.000227
C18E3.7	ppw-1	chrI	-0.322740	0.004734
F55F10.1	F55F10.1	chrIV	-0.322779	0.000266
C14B1.7	C14B1.7	chrIII	-0.322941	0.000297
F01F1.8	cct-6	chrIII	-0.323033	0.000223
K12H4.1	ceh-26	chrIII	-0.323164	0.008333
K02C4.4	ltd-1	chrII	-0.323167	0.008260
B0035.12	B0035.12	chrIV	-0.323338	0.000248
T01G9.3	T01G9.3	chrI	-0.323672	0.013387
F54C9.1	iff-2	chrII	-0.323739	0.000229
Y76A2B.1	pod-1	chrIII	-0.323936	0.000205
Y71H10A.2	Y71H10A.2	chrX	-0.323974	0.000414

C43C3.3	dyf-7	chrX	-0.324141	0.010925
K07G5.1	crml-1	chrI	-0.324175	0.000220
Y57A10A.15	polg-1	chrII	-0.324287	0.000915
F07A11.2	F07A11.2	chrII	-0.324381	0.000198
Y17G7B.5	mcm-2	chrII	-0.324680	0.000203
F52E10.1	sdc-1	chrX	-0.324763	0.000610
R06F6.8	R06F6.8	chrII	-0.324813	0.000257
ZC376.6	ZC376.6	chrV	-0.325588	0.000270
Y37E11B.5	Y37E11B.5	chrIV	-0.325852	0.000819
F10G7.10	F10G7.10	chrII	-0.326276	0.000287
Y32F6A.3	pap-1	chrV	-0.326395	0.000213
Y6B3A.1	agef-1	chrI	-0.326451	0.000259
Y42H9B.2	rig-4	chrIV	-0.326788	0.000220
D2023.2	pyc-1	chrV	-0.326833	0.000181
C48B4.4	ced-7	chrIII	-0.326917	0.000195
C42C1.4	C42C1.4	chrIV	-0.327060	0.000281
B0272.1	tbb-4	chrX	-0.327346	0.017688
B0464.5	spk-1	chrIII	-0.327419	0.000177
K07H8.10	K07H8.10	chrIV	-0.327476	0.000162
F10E9.6	mig-10	chrIII	-0.327946	0.000568
AC3.7	ugt-1	chrV	-0.328069	0.004240
F54D12.5	F54D12.5	chrII	-0.328145	0.000485
T07D4.4	ddx-19	chrII	-0.328327	0.000190
Y46G5A.4	Y46G5A.4	chrII	-0.328452	0.000174
C42D8.8	apl-1	chrX	-0.328673	0.000185
F41G3.12	agr-1	chrII	-0.328903	0.004456
M02B7.4	M02B7.4	chrIV	-0.329080	0.001005
F37A4.8	isw-1	chrIII	-0.329288	0.000167
C45G3.1	aspm-1	chrI	-0.329536	0.000196
C05C10.6	ufd-3	chrII	-0.329709	0.000160
Y16B4A.2	Y16B4A.2	chrX	-0.329867	0.000217
ZK593.5	dnc-1	chrIV	-0.330393	0.000179
F09E10.3	dhs-25	chrX	-0.330472	0.000201
M18.5	ddb-1	chrIV	-0.330571	0.000194
B0285.1	cdtl-7	chrIII	-0.330890	0.000208
B0198.3	B0198.3	chrX	-0.331202	0.012440
F57C7.1	bet-2	chrX	-0.331252	0.000208
Y18D10A.13	pad-1	chrI	-0.331377	0.000191
Y79H2A.11	zyg-8	chrIII	-0.331648	0.000292
R119.4	pqn-59	chrI	-0.331650	0.000133
H43E16.1	H43E16.1	chrII	-0.332684	0.004847
C47E12.7	C47E12.7	chrIV	-0.333022	0.001314
D1037.2	smp-2	chrI	-0.333230	0.000653
C27B7.7	C27B7.7	chrIV	-0.333270	0.009144
F54D1.6	F54D1.6	chrIV	-0.333427	0.000556
Y20F4.2	Y20F4.2	chrI	-0.333432	0.004655
F48E3.3	F48E3.3	chrX	-0.333951	0.000162
R11A5.4	R11A5.4	chrI	-0.334082	0.000118
F52G3.1	F52G3.1	chrX	-0.334127	0.000224
Y39A1A.15	cnt-2	chrIII	-0.334474	0.000197
Y18D10A.3	Y18D10A.3	chrI	-0.335014	0.011753
Y41E3.11	Y41E3.11	chrIV	-0.335148	0.000125
C44B9.1	C44B9.1	chrIII	-0.335196	F.000988
D1007.7	nrd-1	chrI	-0.335368	0.000152
B0222.4	tag-38	chrV	-0.335720	0.011020
C46A5.9	hcf-1	chrIV	-0.335849	0.000123
T23G5.1	rnr-1	chrIII	-0.335851	0.000113
B0546.3	B0546.3	chrIV	-0.336203	0.001353
F56C9.10	F56C9.10	chrIII	-0.336220	0.000115
C14F11.6	C14F11.6	chrX	-0.336280	0.008172
Y71H2AM.15	Y71H2AM.15	chrIII	-0.336434	0.007327
C36E8.1	C36E8.1	chrIII	-0.337459	0.000116
F29C12.3	rict-1	chrII	-0.337687	0.000145

R06A4.4	imb-2	chrII	-0.338425	0.000108
Y39E4B.10	Y39E4B.10	chrIII	-0.338491	0.000322
Y48G10A.4	Y48G10A.4	chrI	-0.338556	0.000259
Y71F9B.6	Y71F9B.6	chrI	-0.338561	0.000341
W08D2.7	mtr-4	chrIV	-0.338575	0.000129
T01E8.3	plc-3	chrII	-0.338862	0.000933
K01C8.10	cct-4	chrII	-0.338909	0.000098
F25H8.3	gon-1	chrIV	-0.338999	0.000455
Y47H9C.5	dnj-27	chrI	-0.339411	0.000315
T17H7.1	T17H7.1	chrIII	-0.339474	0.014995
K07E12.1	dig-1	chrIII	-0.339728	0.000194
Y54G11A.10	lin-7	chrII	-0.339775	0.000494
R05D3.11	met-2	chrIII	-0.339847	0.000115
R07C3.11	fbxc-24	chrII	-0.339854	0.016317
C52E12.4	C52E12.4	chrII	-0.340086	0.000117
R13G10.1	dpy-27	chrIII	-0.340184	0.000149
C33C12.3	C33C12.3	chrII	-0.340589	0.001453
F39B1.1	piki-1	chrX	-0.340965	0.000226
T20B5.1	apa-2	chrX	-0.341011	0.000165
H02I12.4	dsl-6	chrIV	-0.341444	0.026724
W03F9.4	W03F9.4	chrV	-0.341459	0.000554
C35E7.4	C35E7.4	chrI	-0.341805	0.008866
Y54E2A.11	eif-3.B	chrII	-0.341937	0.000091
C24G6.3	mms-19	chrV	-0.342089	0.000131
F56F3.1	pqn-45	chrIII	-0.342866	0.000074
B0228.4	cpna-2	chrII	-0.343320	0.000102
C06G3.7	trxr-1	chrIV	-0.343459	0.000098
C33B4.3	shn-1	chrII	-0.343701	0.000896
C34G6.4	pgp-2	chrI	-0.343723	0.000177
F01D4.2	ugt-44	chrIV	-0.343767	0.000506
K01G5.6	rib-2	chrIII	-0.343778	0.000256
C53A3.2	C53A3.2	chrV	-0.343992	0.001757
T07D4.3	rha-1	chrII	-0.344145	0.000091
F43D9.3	F43D9.3	chrIII	-0.344183	0.000181
C09F9.3	glna-1	chrII	-0.344283	0.014589
T05F1.6	hsr-9	chrI	-0.344346	0.000073
F56E3.3	klp-4	chrX	-0.345383	0.000248
R01H10.8	cnk-1	chrIII	-0.345619	0.000122
F18H3.3	pab-2	chrX	-0.345826	0.000106
K11H12.4	K11H12.4	chrIV	-0.345834	0.020630
F09E5.5	sec-6	chrII	-0.345850	0.000121
VF11C1L.1	ppk-3	chrX	-0.346421	0.000141
Y104H12A.1	nhr-41	chrIV	-0.346717	0.013098
D2045.9	D2045.9	chrIII	-0.346829	0.001108
W05H9.4	W05H9.4	chrX	-0.346998	0.000214
F55H12.3	F55H12.3	chrI	-0.347067	0.000719
M88.5	M88.5	chrIII	-0.347627	0.000071
F42A10.1	abcf-3	chrIII	-0.347692	0.000073
B0334.8	age-1	chrII	-0.347700	0.000086
C38D4.3	mel-28	chrIII	-0.348177	0.000063
F35D11.11	dyf-14	chrII	-0.348260	0.000312
T22C1.1	T22C1.1	chrI	-0.348650	0.000089
Y44E3A.6	Y44E3A.6	chrI	-0.348653	0.000084
C54G4.8	cyc-1	chrI	-0.348878	0.000062
F09F9.4	F09F9.4	chrX	-0.349368	0.030410
W04G3.2	lpr-5	chrX	-0.349622	0.001550
Y111B2A.8	aakg-1	chrIII	-0.349836	0.000180
Y39G10AR.18	Y39G10AR.18	chrI	-0.349851	0.000086
C09H5.2	catp-3	chrV	-0.350162	0.002440
C09H6.2	lin-10	chrI	-0.350235	0.000128
Y39A1B.3	dpy-28	chrIII	-0.351173	0.000072
B0495.7	B0495.7	chrII	-0.351721	0.000061
T10C6.7	T10C6.7	chrV	-0.351850	0.000318

Y37E3.15	npp-13	chrI	-0.352132	0.000069
Y55F3AL.1	plx-1	chrIV	-0.352237	0.000088
Y49G5B.1	Y49G5B.1	chrV	-0.352509	0.000169
K07D8.1	mup-4	chrIII	-0.352515	0.000063
C29E4.2	kle-2	chrIII	-0.353076	0.000062
Y38C1AA.12	Y38C1AA.12	chrIV	-0.353345	0.000540
T01H8.5	gon-2	chrI	-0.353516	0.000087
Y47G6A.12	sep-1	chrI	-0.353685	0.000052
ZK1290.12	wrt-1	chrII	-0.353776	0.010282
Y106G6E.6	csnk-1	chrI	-0.353884	0.000068
Y66H1B.2	fln-1	chrIV	-0.354450	0.000041
K08F4.1	K08F4.1	chrIV	-0.354776	0.000060
B0336.3	B0336.3	chrIII	-0.354855	0.000045
K11C4.5	unc-68	chrV	-0.355058	0.000064
F12E12.6	F12E12.6	chrII	-0.355759	0.040120
ZK909.4	ces-2	chrI	-0.356055	0.000676
T14B4.6	dpy-2	chrII	-0.356128	0.000568
C01G8.9	let-526	chrI	-0.356255	0.000041
Y47D3A.26	smc-3	chrIII	-0.356263	0.000049
W02D3.10	fnci-1	chrI	-0.356734	0.000064
T01D3.7	T01D3.7	chrV	-0.356856	0.029375
F58D5.1	hrp-2	chrI	-0.357168	0.000038
C09B8.4	C09B8.4	chrX	-0.357226	0.000881
F56H9.5	lin-25	chrV	-0.357284	0.000213
C10C6.6	C10C6.6	chrIV	-0.357536	0.000044
C29E4.3	ran-2	chrIII	-0.357615	0.000045
F32A5.8	F32A5.8	chrII	-0.357657	0.001252
W04A4.5	W04A4.5	chrI	-0.358034	0.000058
K07C10.1	ptr-13	chrII	-0.358538	0.000401
C27F2.8	C27F2.8	chrIII	-0.358699	0.000036
F33H2.5	F33H2.5	chrI	-0.359024	0.000039
T01G5.2	ugt-30	chrV	-0.359425	0.004775
F20A1.7	twk-11	chrV	-0.359584	0.031226
Y53C10A.4	rga-2	chrI	-0.359954	0.001138
Y75B8A.24	Y75B8A.24	chrIII	-0.359971	0.000040
C43E11.3	met-1	chrI	-0.359982	0.000037
ZC374.2	ZC374.2	chrX	-0.360870	0.006940
K08F8.2	atf-2	chrII	-0.360961	0.001081
D1081.7	D1081.7	chrI	-0.360999	0.000030
C09E10.2	dgk-1	chrX	-0.362735	0.003528
T17E9.1	kin-18	chrIII	-0.363614	0.000029
M01G12.9	M01G12.9	chrI	-0.363707	0.012529
F33H1.4	F33H1.4	chrII	-0.364567	0.000028
F56D5.1	col-121	chrIV	-0.365239	0.001304
Y65A5A.2	Y65A5A.2	chrIV	-0.365563	0.000068
K02F2.3	teg-4	chrI	-0.365629	0.000029
C25G4.5	dpy-26	chrIV	-0.366014	0.000028
T01G9.4	npp-2	chrI	-0.366244	0.000028
Y76B12C.7	cpsf-1	chrIV	-0.366348	0.000038
K04C2.2	K04C2.2	chrIII	-0.366415	0.000032
W03A3.2	polq-1	chrIII	-0.366459	0.000040
C09D1.1	unc-89	chrI	-0.367027	0.000028
F46F11.1	F46F11.1	chrI	-0.367480	0.000037
T26A8.1	T26A8.1	chrIV	-0.367552	0.000028
C47E8.5	daf-21	chrV	-0.367766	0.000018
T27C10.6	lrk-1	chrI	-0.367779	0.000057
C05C10.2	C05C10.2	chrII	-0.367794	0.000025
Y54E10BR.1	Y54E10BR.1	chrI	-0.368013	0.000067
F40E10.1	hch-1	chrX	-0.368540	0.000156
W03B1.2	W03B1.2	chrIV	-0.368668	0.030763
C24H11.7	gbf-1	chrIII	-0.369248	0.000026
R05C11.3	mca-2	chrIV	-0.369290	0.000080
C05C8.4	gei-6	chrV	-0.369416	0.000026

D1005.1	D1005.1	chrX	-0.370012	0.000024
Y47D3A.28	Y47D3A.28	chrIII	-0.370019	0.000093
T22B11.5	T22B11.5	chrIV	-0.370456	0.000018
W09C2.3	mca-1	chrIV	-0.370661	0.000024
R90.1	R90.1	chrV	-0.371155	0.000100
Y71H2AM.2	Y71H2AM.2	chrIII	-0.371413	0.000041
F27E5.2	pax-3	chrII	-0.372365	0.024161
F19H8.1	tps-2	chrII	-0.372911	0.000055
C26E6.4	rpb-2	chrIII	-0.372985	0.000019
C26E6.9	set-2	chrIII	-0.373114	0.000021
T20H4.3	pars-1	chrIII	-0.373353	0.000017
C42D8.5	acn-1	chrX	-0.373587	0.000165
F15D3.1	dys-1	chrI	-0.373595	0.000032
H38K22.5	gly-6	chrIII	-0.373794	0.000093
C06E7.4	C06E7.4	chrIV	-0.373823	0.000570
Y37A1B.17	Y37A1B.17	chrIV	-0.373823	0.000033
T16G1.9	T16G1.9	chrV	-0.373856	0.000039
T24A11.1	mtm-3	chrIII	-0.373880	0.000015
C48A7.1	egl-19	chrIV	-0.373980	0.000102
C09H6.1	spr-4	chrI	-0.374119	0.000023
C16A3.3	let-716	chrIII	-0.374243	0.000016
T28C6.7	T28C6.7	chrIV	-0.374722	0.000019
T05A10.1	sma-9	chrX	-0.375920	0.000021
F07F6.4	F07F6.4	chrII	-0.375924	0.000021
Y80D3A.1	wars-1	chrV	-0.376150	0.000024
Y71F9AL.17	Y71F9AL.17	chrI	-0.376460	0.000013
F38A1.8	F38A1.8	chrIV	-0.376982	0.000027
K04G7.3	ogt-1	chrIII	-0.378035	0.000015
F21C10.7	F21C10.7	chrV	-0.378076	0.000028
T13H2.4	pqn-65	chrX	-0.378270	0.000015
C16D9.2	rol-3	chrV	-0.378306	0.000777
R08F11.1	R08F11.1	chrV	-0.378390	0.000090
M110.4	ifg-1	chrII	-0.378824	0.000011
C14C11.8	pqn-13	chrV	-0.378926	0.009359
Y55B1BR.4	Y55B1BR.4	chrIII	-0.378985	0.000188
F33H2.2	F33H2.2	chrI	-0.379335	0.000017
F35H10.10	F35H10.10	chrIV	-0.379347	0.000041
F25F2.2	cdh-4	chrIII	-0.379348	0.000014
Y59A8B.1	dpy-21	chrV	-0.379605	0.000025
F23D12.2	F23D12.2	chrX	-0.380081	0.000258
C47E12.1	sars-1	chrIV	-0.380230	0.000012
T08A11.2	T08A11.2	chrIII	-0.380256	0.000012
ZK328.2	eftu-2	chrIII	-0.381109	0.000011
Y59A8A.3	Y59A8A.3	chrV	-0.381431	0.000009
F53A3.4	pqn-41	chrIII	-0.381510	0.000021
C43E11.6	nab-1	chrI	-0.381707	0.000069
C04G6.3	pId-1	chrII	-0.381863	0.000014
C23F12.1	fln-2	chrX	-0.382054	0.000016
T06E4.3	atl-1	chrV	-0.382699	0.000011
C06B8.7	C06B8.7	chrV	-0.383127	0.000077
T23F2.1	bus-8	chrX	-0.383286	0.006842
F26H11.4	F26H11.4	chrII	-0.383375	0.002233
C10H11.9	let-502	chrI	-0.383498	0.000010
C01F1.3	C01F1.3	chrII	-0.383986	0.000135
T04H1.4	rad-50	chrV	-0.384078	0.000011
F59C12.1	cdh-9	chrX	-0.384147	0.029406
ZK1127.9	tcer-1	chrII	-0.384175	0.000011
Y110A2AM.3	ubc-26	chrII	-0.384386	0.000115
R74.1	lars-1	chrIII	-0.384395	0.000009
Y47D3A.21	Y47D3A.21	chrIII	-0.384531	0.000030
T20F10.1	wts-1	chrI	-0.384762	0.000061
F10C2.3	F10C2.3	chrV	-0.385020	0.013466
W06H8.8	ttn-1	chrV	-0.385180	0.000012

F42A9.1	dgk-4	chrIV	-0.385874	0.000009
T01G1.3	sec-31	chrIV	-0.385933	0.000010
Y106G6H.12	duo-3	chrI	-0.385960	0.000012
F41H10.3	F41H10.3	chrIV	-0.386324	0.000009
Y105E8A.14	Y105E8A.14	chrI	-0.386600	0.000018
F40F11.2	F40F11.2	chrIV	-0.386654	0.000010
C44B9.4	athp-1	chrIII	-0.386927	0.000013
Y37E11B.4	taf-2	chrIV	-0.387034	0.000031
T01D3.3	T01D3.3	chrV	-0.387292	0.003318
R17.3	R17.3	chrIII	-0.387622	0.001353
K12C11.4	dapk-1	chrI	-0.387671	0.000046
H06O01.3	ctg-1	chrI	-0.387781	0.000550
Y54E10A.11	Y54E10A.11	chrI	-0.387826	0.000012
F08B4.1	dic-1	chrIV	-0.387963	0.000016
C06C3.1	mel-11	chrII	-0.388060	0.000008
W05F2.4	W05F2.4	chrI	-0.388244	0.000048
C33H5.9	sec-10	chrIV	-0.388497	0.000018
F35G12.8	smc-4	chrIII	-0.388594	0.000007
Y54E10A.15	cdt-1	chrI	-0.388595	0.000014
ZK1098.10	unc-16	chrIII	-0.389378	0.000008
F48E3.8	F48E3.8	chrX	-0.389547	0.000787
K08E5.3	mua-3	chrIII	-0.389566	0.000013
Y65B4BL.1	Y65B4BL.1	chrI	-0.390037	0.000177
F44G4.8	dep-1	chrII	-0.390285	0.000067
T14G8.3	T14G8.3	chrX	-0.391096	0.000009
F30F8.8	taf-5	chrI	-0.391220	0.000010
B0228.6	B0228.6	chrII	-0.391721	0.005331
Y22D7AR.9	fbxa-74	chrIII	-0.391762	0.005084
D2085.1	pyr-1	chrII	-0.392273	0.000007
M03C11.8	M03C11.8	chrIII	-0.392288	0.000007
F54F2.1	pat-2	chrIII	-0.392402	0.000014
F48A11.1	chs-2	chrII	-0.392411	0.000876
C18F3.2	sax-7	chrIV	-0.392549	0.000005
C11G6.1	taf-3	chrX	-0.392767	0.000077
F13B9.1	F13B9.1	chrX	-0.393640	0.000008
Y47G6A.10	spg-7	chrI	-0.393991	0.000007
C04D8.1	pac-1	chrIII	-0.394248	0.000007
ZC443.6	ugt-16	chrV	-0.395043	0.000129
Y75B8A.8	Y75B8A.8	chrIII	-0.395108	0.000009
R06C1.3	wve-1	chrI	-0.395716	0.000010
K09F6.10	K09F6.10	chrII	-0.395915	0.005520
T05A12.4	T05A12.4	chrIV	-0.396035	0.000027
C08B11.3	C08B11.3	chrII	-0.396202	0.000004
Y38E10A.6	ceh-100	chrII	-0.396334	0.000007
T16G12.5	ekl-6	chrIII	-0.396441	0.000007
Y53G8AR.6	Y53G8AR.6	chrIII	-0.396714	0.000014
R08C7.9	fbxb-74	chrIV	-0.396975	0.032287
C47E12.5	uba-1	chrIV	-0.397577	0.000003
F09F7.3	F09F7.3	chrIII	-0.398325	0.000004
C52E12.2	unc-104	chrII	-0.398776	0.000089
C48G7.3	tag-333	chrV	-0.399187	0.000004
C23G10.4	rpn-2	chrIII	-0.399798	0.000003
T04A8.14	emb-5	chrIII	-0.400238	0.000003
BE0003N10.3	BE0003N10.3	chrIII	-0.400282	0.005297
T25G3.2	chs-1	chrI	-0.401336	0.000003
Y108G3AL.1	cul-3	chrV	-0.401703	0.000003
F16A11.3	ppfr-1	chrI	-0.401746	0.000004
C37C3.6	mig-6	chrV	-0.401820	0.000003
F30H5.1	unc-45	chrIII	-0.401982	0.000005
C26C6.1	pbrm-1	chrI	-0.401984	0.000003
F14B4.3	F14B4.3	chrI	-0.402378	0.000004
F02E9.4	sin-3	chrI	-0.402610	0.000003
F25G6.2	symk-1	chrV	-0.402643	0.000005

Y39B6A.33	Y39B6A.33	chrV	-0.402781	0.000007
F54E12.2	F54E12.2	chrIV	-0.402790	0.000003
C25F6.2	dlg-1	chrX	-0.403272	0.000005
ZC8.4	lfi-1	chrX	-0.403536	0.000004
F42C5.10	F42C5.10	chrIV	-0.403575	0.000015
C17H12.1	dyci-1	chrIV	-0.403756	0.000004
Y53C12B.3	nos-3	chrII	-0.403965	0.000003
T27C4.4	lin-40	chrV	-0.404196	0.000004
Y57G11A.1	tag-273	chrIV	-0.404248	0.000008
F59A6.5	F59A6.5	chrII	-0.404665	0.000003
Y46C8AL.3	clcc-70	chrIV	-0.404699	0.003462
Y70G10A.3	Y70G10A.3	chrIII	-0.404906	0.000723
F23H12.8	fipr-1	chrV	-0.404934	0.000596
F55F8.1	ptr-10	chrI	-0.405043	0.023212
ZK430.1	toe-1	chrII	-0.406668	0.000003
C47D12.1	trr-1	chrII	-0.406711	0.000003
C35B8.2	vav-1	chrX	-0.406788	0.000020
ZK370.4	ZK370.4	chrIII	-0.406819	0.000002
K04G2.8	apr-1	chrI	-0.407123	0.000003
T24C12.2	gap-1	chrX	-0.407174	0.005316
F17C11.1	F17C11.1	chrV	-0.408056	0.000154
F14F9.4	F14F9.4	chrV	-0.408241	0.004043
T16G12.3	T16G12.3	chrIII	-0.408610	0.005183
B0403.3	B0403.3	chrX	-0.408859	0.015147
ZK822.1	ZK822.1	chrIV	-0.408908	0.002401
T19B4.7	unc-40	chrI	-0.408935	0.000002
T23D8.8	cfi-1	chrI	-0.408967	0.009920
Y55F3AR.3	cct-8	chrIV	-0.408986	0.000002
F23H11.4	F23H11.4	chrIII	-0.409243	0.000004
F54E4.1	rbc-1	chrX	-0.409630	0.000003
H05L14.2	H05L14.2	chrI	-0.409927	0.000003
F20C5.6	F20C5.6	chrIV	-0.410028	0.000056
Y65B4A.6	Y65B4A.6	chrI	-0.410141	0.000003
C34B4.1	max-1	chrV	-0.410283	0.001071
Y113G7A.3	sec-23	chrV	-0.410329	0.000003
C44E4.1	C44E4.1	chrI	-0.411866	0.000002
Y51A2D.19	slo-1	chrV	-0.411886	0.000801
Y41E3.9	fcd-2	chrIV	-0.411945	0.000004
Y54E10A.2	cogc-1	chrI	-0.411998	0.000004
C25A1.7	iars-2	chrI	-0.412351	0.000003
C34B2.6	C34B2.6	chrI	-0.412651	0.000002
Y75B8A.19	Y75B8A.19	chrIII	-0.412843	0.000488
H38K22.1	evl-14	chrIII	-0.412917	0.000002
F54E7.3	par-3	chrIII	-0.412925	0.000002
ZK484.4	ZK484.4	chrI	-0.413057	0.000002
F56A11.1	gex-2	chrIV	-0.413834	0.000003
C02H7.3	aex-3	chrX	-0.413864	0.000157
F20G4.3	nmy-2	chrI	-0.414419	0.000001
C17C3.12	acdh-2	chrII	-0.414904	0.037661
K07E3.7	catp-5	chrX	-0.415408	0.000100
F42A10.7	F42A10.7	chrIII	-0.416309	0.000003
Y95B8A.10	pde-6	chrI	-0.416561	0.000031
F41A4.1	cutl-28	chrIV	-0.417190	0.003909
T08A9.1	atg-11	chrX	-0.417329	0.000004
Y41D4A.8	Y41D4A.8	chrIV	-0.417402	0.003266
Y53H1C.2	ego-2	chrI	-0.417755	0.000002
C32E8.10	unc-11	chrI	-0.417816	0.000003
Y24D9A.1	ell-1	chrIV	-0.417862	0.000003
Y50D7A.8	Y50D7A.8	chrIII	-0.417884	0.000004
Y71H2B.3	ppfr-4	chrIII	-0.417965	0.000004
F59A2.6	F59A2.6	chrIII	-0.417988	0.000003
F15G9.4	him-4	chrX	-0.418743	0.000002
F48E8.4	F48E8.4	chrIII	-0.419197	0.000002

C26H9A.2	C26H9A.2	chrIV	-0.419428	0.000005
F59A6.1	nsy-1	chrII	-0.419659	0.000002
ZK1005.1	pme-5	chrV	-0.421569	0.000002
C27B7.4	rad-26	chrIV	-0.421956	0.000001
C53D5.6	imb-3	chrI	-0.421974	0.000001
Y87G2A.5	vars-2	chrI	-0.423562	0.000001
F44E7.4	F44E7.4	chrV	-0.423600	0.000001
Y47D3A.29	Y47D3A.29	chrIII	-0.423961	0.000001
Y43F8C.12	mrp-7	chrV	-0.424311	0.000001
Y54F10BM.14	phf-5	chrIII	-0.424700	0.000008
C07A12.1	ham-2	chrX	-0.426184	0.000619
C10G11.6	C10G11.6	chrI	-0.426310	0.000008
F01F1.9	F01F1.9	chrIII	-0.427819	0.000002
Y48E1C.3	tbc-15	chrII	-0.427872	0.000004
Y48A6C.1	Y48A6C.1	chrIII	-0.428365	0.020275
F53F8.5	F53F8.5	chrV	-0.428719	0.000001
C13F10.4	C13F10.4	chrV	-0.428794	0.000001
F31C3.3	F31C3.3	chrI	-0.428970	0.000001
W03B1.7	oac-51	chrIV	-0.429625	0.006892
Y37E11C.1	unc-33	chrIV	-0.429842	0.000002
F20G4.1	smgl-1	chrI	-0.430197	0.000001
F07A11.4	F07A11.4	chrII	-0.430298	0.000007
ZK867.1	syd-9	chrX	-0.430479	0.000007
F11A10.4	mon-2	chrIV	-0.430660	0.000001
K12D12.2	npp-3	chrII	-0.431054	0.000001
T12F5.3	glh-4	chrI	-0.431070	0.000021
Y67D8C.10	mca-3	chrIV	-0.431709	0.000000
C02F4.1	ced-5	chrIV	-0.432502	0.000001
R09A1.1	ergo-1	chrV	-0.432622	0.000000
C03B8.4	lin-13	chrIII	-0.433157	0.000000
C26G2.1	syg-2	chrX	-0.433182	0.000023
K02C4.3	K02C4.3	chrII	-0.433315	0.000000
Y59A8B.22	snx-6	chrV	-0.433445	0.000001
F12F6.6	sec-24.1	chrIV	-0.433871	0.000000
K08C7.3	epi-1	chrIV	-0.434817	0.000000
T21E3.3	lrp-2	chrI	-0.434890	0.000001
Y17G7B.3	Y17G7B.3	chrII	-0.435853	0.000027
Y18H1A.3	Y18H1A.3	chrI	-0.435953	0.000001
F54C4.3	F54C4.3	chrIII	-0.436144	0.000001
Y48A6C.4	Y48A6C.4	chrIII	-0.436289	0.000003
K10D3.4	K10D3.4	chrI	-0.436672	0.000002
F59E12.9	F59E12.9	chrII	-0.438234	0.000000
C41A3.1	C41A3.1	chrX	-0.438419	0.000016
W05B2.6	col-92	chrIII	-0.439291	0.000030
C04E7.3	C04E7.3	chrX	-0.439555	0.008117
F20D12.1	csr-1	chrIV	-0.439639	0.000000
C10C6.1	kin-4	chrIV	-0.439683	0.000000
F54E2.3	ketn-1	chrV	-0.439753	0.000000
F54D11.2	F54D11.2	chrV	-0.439971	0.000000
T22D1.9	rpn-1	chrIV	-0.440030	0.000000
T25C12.3	T25C12.3	chrX	-0.440523	0.000000
Y71G12A.3	tub-2	chrI	-0.440558	0.000002
T16G12.1	T16G12.1	chrIII	-0.440898	0.000001
Y50D7A.1	Y50D7A.1	chrIII	-0.441345	0.000013
C47C12.3	ref-2	chrX	-0.441441	0.001234
F47D12.5	F47D12.5	chrIII	-0.442730	0.002888
C36E6.3	mlc-1	chrX	-0.443016	0.000000
Y66D12A.14	Y66D12A.14	chrIII	-0.443299	0.030348
K07G5.3	K07G5.3	chrI	-0.444193	0.031527
C05D11.1	C05D11.1	chrIII	-0.444195	0.000000
K08F8.6	let-19	chrII	-0.445142	0.000000
Y116A8C.9	Y116A8C.9	chrIV	-0.445334	0.000006
BE10.3	BE10.3	chrIII	-0.446469	0.010124

Y41D4B.6	Y41D4B.6	chrIV	-0.446891	0.004129
T14G10.2	pxf-1	chrIV	-0.447393	0.000000
F47A4.5	F47A4.5	chrX	-0.448666	0.000002
Y49A3A.1	Y49A3A.1	chrV	-0.448774	0.000000
Y48G1C.2	csk-1	chrI	-0.450307	0.000000
F53B6.9	fip-6	chrI	-0.451211	0.008755
F59F5.6	syd-2	chrX	-0.452157	0.000001
F08A8.3	F08A8.3	chrI	-0.452179	0.002035
C42D4.8	rpc-1	chrIV	-0.452400	0.000000
F56H1.5	ccpp-1	chrI	-0.452853	0.000000
R11A8.6	iars-1	chrIV	-0.453574	0.000000
F46F11.9	F46F11.9	chrI	-0.453757	0.000000
C17D12.7	C17D12.7	chrI	-0.454390	0.000001
T14F9.4	peb-1	chrX	-0.454539	0.000536
C02B10.5	C02B10.5	chrIV	-0.454803	0.000000
F44E2.4	F44E2.4	chrIII	-0.455298	0.000013
K06A1.3	cutl-16	chrII	-0.455584	0.000060
K12F2.1	myo-3	chrV	-0.455867	0.000000
C14B9.6	gei-8	chrIII	-0.456412	0.000000
F31D4.2	F31D4.2	chrV	-0.456511	0.000000
R07G3.3	npp-21	chrII	-0.456861	0.000000
ZC518.3	ccr-4	chrIV	-0.456950	0.000000
Y6D11A.1	exos-4.2	chrIII	-0.457090	0.000000
T19C4.1	T19C4.1	chrV	-0.457842	0.000438
Y39D8C.1	abt-4	chrV	-0.458285	0.000000
ZK287.1	ZK287.1	chrV	-0.458395	0.000178
K11D12.4	cpt-4	chrV	-0.458539	0.000297
C35A5.8	C35A5.8	chrV	-0.459963	0.000000
F55H2.6	clu-1	chrIII	-0.460216	0.000000
C27D11.1	egl-45	chrIII	-0.460680	0.000000
R08B4.2	alr-1	chrX	-0.461211	0.001773
Y67D8C.5	eel-1	chrIV	-0.461608	0.000000
F16D3.4	F16D3.4	chrI	-0.463867	0.000000
T17E9.2	nmt-1	chrIII	-0.463869	0.000000
T05H4.6	T05H4.6a	chrV	-0.463887	0.000000
Y116A8C.32	sfa-1	chrIV	-0.465701	0.000000
Y16B4A.1	unc-3	chrX	-0.465909	0.005189
F22B5.7	zyg-9	chrII	-0.465953	0.000000
K08E4.1	spt-5	chrIV	-0.466111	0.000000
ZC101.3	hhat-1	chrII	-0.466726	0.001297
Y57G11C.37	Y57G11C.37	chrIV	-0.467349	0.000674
C14C11.2	C14C11.2	chrV	-0.468107	0.000606
C38C10.5	rgr-1	chrIII	-0.468839	0.000000
T20G5.1	chc-1	chrIII	-0.470419	0.000000
Y54E2A.4	Y54E2A.4	chrII	-0.470791	0.000000
K02B12.5	K02B12.5	chrI	-0.471425	0.000000
Y47G6A.11	msh-6	chrI	-0.471675	0.000000
Y111B2A.12	Y111B2A.12	chrIII	-0.473555	0.000000
C33D12.2	C33D12.2	chrX	-0.474740	0.000140
C30C11.4	C30C11.4	chrIII	-0.475218	0.000000
F52B5.3	F52B5.3	chrI	-0.476098	0.000000
T19D12.1	T19D12.1	chrII	-0.476667	0.000001
C52D10.1	C52D10.1	chrIV	-0.477536	0.000053
H19N07.2	math-33	chrV	-0.477813	0.000000
R13F6.4	ten-1	chrIII	-0.478191	0.000000
F14B4.1	F14B4.1	chrI	-0.478824	0.000002
F11C1.6	nhr-25	chrX	-0.479396	0.000004
F26A3.3	ego-1	chrI	-0.480063	0.000000
Y59C2A.2	Y59C2A.2	chrII	-0.480281	0.000000
Y57A10A.31	Y57A10A.31	chrII	-0.481655	0.000000
F31D5.5	F31D5.5	chrII	-0.481701	0.000147
T05H10.3	T05H10.3	chrII	-0.481777	0.001293
T22F7.3	T22F7.3	chrIII	-0.483232	0.030766

F56B3.5	ech-5	chrIV	-0.483723	0.000000
K07H8.6	vit-6	chrIV	-0.485540	0.000000
Y32H12A.8	Y32H12A.8	chrIII	-0.486566	0.000000
C02F12.7	tag-278	chrX	-0.487679	0.000001
C45B2.7	ptr-4	chrX	-0.489598	0.000017
R09E10.7	pqn-55	chrIV	-0.490183	0.000000
K10D2.3	cid-1	chrIII	-0.491556	0.000000
W10G11.17	W10G11.17	chrII	-0.491678	0.000145
C24B5.3	ptr-1	chrV	-0.491958	0.000122
Y18D10A.5	gsk-3	chrI	-0.492543	0.000000
R144.7	larp-1	chrIII	-0.492623	0.000000
Y92C3B.3	rab-18	chrIII	-0.492683	0.000000
K12H4.8	dcr-1	chrIII	-0.492839	0.000000
C30F8.4	kin-32	chrI	-0.493331	0.000001
K09B11.9	uso-1	chrIV	-0.493988	0.000000
F01G4.1	psa-4	chrIV	-0.494754	0.000000
T10H10.1	hum-6	chrX	-0.494963	0.000001
F21H12.6	F21H12.6	chrII	-0.496108	0.000000
T21E12.4	dhc-1	chrI	-0.496760	0.000000
Y57A10A.10	Y57A10A.10	chrII	-0.497172	0.000000
F11C1.5	F11C1.5	chrX	-0.497199	0.000000
F17A9.3	F17A9.3	chrV	-0.497362	0.009288
T19A5.3	T19A5.3	chrV	-0.497517	0.000480
C15H11.3	nxf-1	chrV	-0.498250	0.000000
F32E10.4	ima-3	chrIV	-0.498259	0.000000
Y60A3A.10	dhs-24	chrV	-0.498347	0.000000
C48B6.6	smg-1	chrI	-0.499156	0.000000
F20H11.2	let-765	chrIII	-0.499308	0.000000
M28.1	cutl-9	chrII	-0.499474	0.000236
W02C12.1	W02C12.1	chrIV	-0.499484	0.000001
F39C12.1	F39C12.1	chrX	-0.500941	0.000000
M70.5	M70.5	chrIV	-0.501584	0.000018
Y73B3A.10	Y73B3A.10	chrX	-0.501900	0.000115
F57A8.1	F57A8.1	chrV	-0.502636	0.000000
C17H12.9	ceh-48	chrIV	-0.502998	0.001297
C30G12.2	C30G12.2	chrII	-0.503650	0.000000
F25H5.4	eef-2	chrI	-0.503938	0.000000
F10F2.1	sel-2	chrIII	-0.505072	0.000000
F53B3.3	F53B3.3	chrX	-0.505579	0.010240
Y39E4B.1	abce-1	chrIII	-0.505599	0.000000
W08G11.4	pptr-1	chrV	-0.505915	0.000000
Y43F8B.1	Y43F8B.1	chrV	-0.506516	0.000000
ZC116.3	ZC116.3	chrV	-0.507820	0.000054
F28F8.7	F28F8.7	chrV	-0.508294	0.007369
Y43F8C.6	Y43F8C.6	chrV	-0.508894	0.000003
ZK593.4	rbr-2	chrIV	-0.509451	0.000000
Y110A7A.3	unc-63	chrI	-0.510536	0.000662
C10C5.6	daf-15	chrIV	-0.510622	0.000000
Y61A9LA.8	sut-2	chrV	-0.510682	0.000000
Y76B12C.6	Y76B12C.6	chrIV	-0.510716	0.000000
F56A6.1	sago-2	chrI	-0.511304	0.000047
B0261.2	let-363	chrI	-0.511975	0.000000
Y37E11AL.8	taf-6.2	chrIV	-0.512678	0.000000
R11A8.7	R11A8.7	chrIV	-0.513168	0.000000
Y17G7B.18	Y17G7B.18	chrII	-0.513281	0.000000
F42G2.3	fbxc-20	chrII	-0.514647	0.013163
F40E10.4	slt-1	chrX	-0.514647	0.000024
Y57G11C.10	gdi-1	chrIV	-0.515889	0.000000
F45H11.4	mgl-2	chrI	-0.516174	0.000150
C25F6.4	ddr-1	chrX	-0.517217	0.000017
D1025.10	D1025.10	chrX	-0.517577	0.000080
T14G8.1	chd-3	chrX	-0.517882	0.000000
Y38F2AR.13	Y38F2AR.13	chrIV	-0.518042	0.000059

C32E8.11	C32E8.11	chrI	-0.519179	0.000000
C06A5.1	C06A5.1	chrI	-0.519256	0.000000
M03D4.4	M03D4.4	chrIV	-0.519411	0.000003
T19B4.1	T19B4.1	chrI	-0.520775	0.000000
T14E8.4	T14E8.4	chrX	-0.521579	0.048728
F26F12.7	let-418	chrV	-0.521587	0.000000
Y56A3A.28	Y56A3A.28	chrIII	-0.521665	0.000000
F53H4.6	F53H4.6	chrX	-0.522463	0.000006
C53B4.4	C53B4.4	chrIV	-0.523379	0.000000
W04A8.7	taf-1	chrI	-0.523425	0.000000
C56G2.1	C56G2.1	chrIII	-0.524101	0.000000
W05B5.3	nhr-85	chrI	-0.525259	0.002923
F59C6.11	F59C6.11	chrI	-0.525367	0.013207
F35E12.7	dct-17	chrV	-0.525538	0.000876
R02F2.2	R02F2.2	chrIII	-0.526147	0.000047
F14H12.3	F14H12.3	chrX	-0.526760	0.000008
F02A9.6	glp-1	chrIII	-0.526946	0.000000
Y71F9AL.18	pme-1	chrI	-0.527657	0.000000
W06E11.1	W06E11.1	chrIII	-0.527756	0.000000
Y47G6A.5	Y47G6A.5	chrI	-0.527916	0.000001
B0393.5	B0393.5	chrIII	-0.528343	0.000023
F13B9.6	cutl-29	chrX	-0.529037	0.011025
F21G4.2	mrp-4	chrX	-0.529397	0.000000
Y48G8AR.1	grh-1	chrI	-0.529532	0.000217
F57C2.6	spat-1	chrII	-0.529936	0.000000
M153.2	M153.2	chrX	-0.530945	0.000010
F26F4.7	nhl-2	chrIII	-0.531206	0.000000
F21F8.4	F21F8.4	chrV	-0.531225	0.000000
Y54G2A.40	Y54G2A.40	chrIV	-0.531513	0.036759
W04G3.1	lpr-6	chrX	-0.532377	0.000006
M4.1	M4.1	chrIV	-0.533078	0.000000
D1044.2	D1044.2	chrIII	-0.534746	0.000000
F43G6.11	F43G6.11	chrII	-0.535692	0.000541
C52E12.1	C52E12.1	chrII	-0.536207	0.000000
T03G6.1	T03G6.1	chrX	-0.536208	0.000161
R05D3.7	unc-116	chrIII	-0.536551	0.000000
C36B1.9	C36B1.9	chrI	-0.537300	0.000000
Y105E8A.24	Y105E8A.24	chrI	-0.537609	0.000000
T22E5.2	glf-4	chrX	-0.537804	0.000009
Y48G9A.3	gcn-1	chrIII	-0.538234	0.000000
Y39G10AR.11	Y39G10AR.11	chrI	-0.538977	0.000000
F22G12.5	F22G12.5	chrI	-0.539374	0.000000
F53H1.4	F53H1.4	chrIV	-0.540643	0.000000
F18F11.3	cdh-8	chrIV	-0.540769	0.000047
T13H2.5	spat-3	chrX	-0.540887	0.000000
F58A4.11	gei-13	chrIII	-0.541083	0.000000
F52B11.3	noah-2	chrIV	-0.541155	0.000000
K04F10.8	K04F10.8	chrI	-0.541209	0.046866
F28C1.3	F28C1.3	chrV	-0.542638	0.000000
C06A1.4	C06A1.4	chrII	-0.542882	0.000000
EEED8.5	mog-5	chrII	-0.543135	0.000000
F54F3.1	nid-1	chrV	-0.543299	0.000000
F48F7.1	alg-1	chrX	-0.545421	0.000000
T04D1.4	tag-192	chrI	-0.545607	0.000000
T01B6.1	T01B6.1	chrX	-0.545623	0.000584
F23A7.3	F23A7.3	chrX	-0.545638	0.015213
R53.3	egl-43	chrII	-0.545985	0.000051
Y40B1A.3	Y40B1A.3	chrI	-0.548362	0.000000
M142.5	M142.5	chrIII	-0.548794	0.000000
E02H4.2	E02H4.2	chrX	-0.549467	0.046667
F39H12.4	igcm-1	chrX	-0.549797	0.000000
F54C1.3	mes-3	chrI	-0.551114	0.000000
Y39A1B.2	ptr-19	chrIII	-0.551144	0.009465

C03C10.5	C03C10.5	chrIII	-0.552315	0.007133
W07E11.1	W07E11.1	chrX	-0.552326	0.000000
ZK1248.2	col-74	chrII	-0.553185	0.000232
F18C12.2	rme-8	chrI	-0.554423	0.000000
ZK1307.6	fzr-1	chrII	-0.555643	0.000000
F59F5.7	F59F5.7	chrX	-0.556257	0.007828
C36A4.5	C36A4.5	chrIII	-0.556563	0.000001
Y57A10A.18	pqn-87	chrII	-0.557609	0.000000
F36H2.1	tat-5	chrI	-0.558746	0.000000
W01C8.3	set-19	chrX	-0.559290	0.000000
Y66D12A.19	Y66D12A.19	chrIII	-0.560732	0.000000
F31D4.5	F31D4.5	chrV	-0.560776	0.000188
C42D8.3	pnk-4	chrX	-0.562156	0.000000
F23B2.12	pcp-2	chrIV	-0.562722	0.000000
ZK1067.2	ZK1067.2	chrII	-0.562876	0.000000
Y71G10AR.4	Y71G10AR.4	chrIV	-0.566931	0.000000
T21E8.3	pgp-8	chrX	-0.567061	0.016415
Y41D4B.4	Y41D4B.4	chrIV	-0.567181	0.000000
Y71G12B.11	Y71G12B.11	chrI	-0.567824	0.000000
ZK688.5	ZK688.5	chrIII	-0.569124	0.000000
C09E7.7	C09E7.7	chrIII	-0.570413	0.000000
C43G2.2	bicd-1	chrIV	-0.570642	0.000000
Y54G11A.13	ctl-3	chrII	-0.570690	0.000138
R06A10.2	gsa-1	chrI	-0.572219	0.000000
K08A2.5	nhr-88	chrII	-0.572304	0.000000
Y71H2AM.3	Y71H2AM.3	chrIII	-0.573056	0.000000
C08G9.2	C08G9.2	chrIV	-0.573234	0.000513
Y60A3A.14	Y60A3A.14	chrV	-0.574255	0.000000
ZK617.1	unc-22	chrIV	-0.574543	0.000000
T05H10.1	T05H10.1	chrII	-0.574813	0.000000
F28B4.3	F28B4.3	chrX	-0.575333	0.000000
R07E3.6	R07E3.6	chrX	-0.577067	0.000016
C44H9.1	ugt-15	chrV	-0.577311	0.012029
C03D6.4	npp-14	chrI	-0.578553	0.000000
K08B12.5	mrck-1	chrV	-0.579223	0.000000
C18B2.6	C18B2.6	chrX	-0.579606	0.020287
F08D12.1	F08D12.1	chrII	-0.581906	0.000000
Y46G5A.13	tiar-2	chrII	-0.582398	0.000000
F21H11.2	sax-2	chrIII	-0.582703	0.000000
ZK112.2	ncl-1	chrIII	-0.582803	0.000000
ZC434.5	ears-1	chrI	-0.582803	0.000000
W03A5.5	W03A5.5	chrIII	-0.585228	0.000000
M03A1.1	vab-1	chrII	-0.586225	0.000000
K09F5.2	vit-1	chrX	-0.586876	0.000000
Y34D9A.7	Y34D9A.7	chrI	-0.587619	0.000000
F23F12.8	F23F12.8	chrIII	-0.588246	0.005440
K09F5.6	K09F5.6	chrX	-0.588588	0.000000
Y54F10AR.1	Y54F10AR.1	chrIII	-0.590918	0.000000
K10C2.1	K10C2.1	chrX	-0.591140	0.000000
Y119D3B.16	Y119D3B.16	chrIII	-0.591788	0.000000
Y102A5A.1	cand-1	chrV	-0.593316	0.000000
Y50D7A.3	Y50D7A.3	chrIII	-0.594508	0.000000
2L52.1	2L52.1	chrII	-0.594539	0.000000
F29D11.1	lrp-1	chrI	-0.594614	0.000000
C09G5.8	C09G5.8	chrII	-0.596463	0.003150
C05A9.1	pgp-5	chrX	-0.596816	0.000001
T24D11.1	tbc-4	chrX	-0.598177	0.000000
C32A3.1	sel-8	chrIII	-0.598287	0.000000
F36A2.13	F36A2.13	chrI	-0.598696	0.000000
C50C3.6	prp-8	chrIII	-0.600192	0.000000
Y53G8AR.9	Y53G8AR.9	chrIII	-0.600499	0.000000
C04A11.3	gck-4	chrX	-0.601187	0.000000
C14C10.5	C14C10.5	chrV	-0.603534	0.000000

F52E4.6	wrt-2	chrX	-0.603829	0.000988
H19M22.2	let-805	chrIII	-0.605632	0.000000
W01C9.1	W01C9.1	chrII	-0.605894	0.026896
F27B3.7	F27B3.7	chrIII	-0.606006	0.000551
Y75B7AL.4	rga-4	chrV	-0.607918	0.000000
Y55F3BR.7	Y55F3BR.7	chrIV	-0.607960	0.000007
Y48A6B.13	spat-2	chrIII	-0.607984	0.000000
C14A11.2	C14A11.2	chrX	-0.610537	0.011290
C26B9.6	C26B9.6	chrX	-0.612210	0.000122
F32H2.5	fasn-1	chrI	-0.612842	0.000000
Y55F3BL.2	Y55F3BL.2	chrIV	-0.613657	0.000000
ZC416.1	ZC416.1	chrIV	-0.613784	0.005784
R10E11.1	cbp-1	chrIII	-0.613919	0.000000
Y106G6D.5	Y106G6D.5	chrI	-0.614604	0.000000
Y57A10A.19	rsr-2	chrII	-0.616651	0.000000
B0524.6	B0524.6	chrIII	-0.616751	0.000000
F36A4.7	ama-1	chrIV	-0.619451	0.000000
T08A11.1	T08A11.1	chrIII	-0.619639	0.000000
Y110A2AL.9	Y110A2AL.9	chrII	-0.620223	0.004634
C46C2.1	wnk-1	chrIV	-0.621311	0.000000
ZC308.1	gld-2	chrI	-0.621655	0.000000
Y35H6.3	Y35H6.3	chrX	-0.622079	0.009604
C32F10.2	lin-35	chrI	-0.622333	0.000000
T01A4.1	gcy-28	chrI	-0.624395	0.000000
2RSSE.1	2RSSE.1	chrII	-0.626504	0.000000
F25G6.9	F25G6.9	chrV	-0.627839	0.000000
W01F3.3	mlt-11	chrV	-0.628304	0.000000
F49F1.6	F49F1.6	chrIV	-0.630504	0.005653
Y43H11AL.3	pqn-85	chrII	-0.631404	0.000000
Y47D3A.15	aakb-2	chrIII	-0.632339	0.000000
F54A3.3	cct-3	chrII	-0.632511	0.000000
D2005.6	D2005.6	chrI	-0.632753	0.000163
Y111B2A.14	pqn-80	chrIII	-0.633748	0.000000
F10G7.2	tsn-1	chrII	-0.637344	0.000000
T08G11.1	T08G11.1	chrI	-0.638292	0.000000
C25D7.3	sdc-3	chrV	-0.639188	0.000000
H20J04.4	H20J04.4	chrII	-0.639830	0.000000
C54D1.5	lam-2	chrX	-0.640012	0.000000
C34D4.14	hecd-1	chrIV	-0.641097	0.000000
Y47D3A.16	rsks-1	chrIII	-0.641847	0.000000
C05C10.4	pho-11	chrII	-0.646596	0.000000
Y53F4B.13	Y53F4B.13	chrII	-0.648452	0.000000
R10F2.1	cdh-1	chrIII	-0.648870	0.000000
Y110A2AL.13	Y110A2AL.13	chrII	-0.649753	0.000000
Y54G11A.1	Y54G11A.1	chrII	-0.649833	0.000000
K02H8.1	mb1-1	chrX	-0.651329	0.000000
F30A10.10	usp-48	chrI	-0.655151	0.000000
Y53F4B.21	Y53F4B.21	chrII	-0.655800	0.000000
C49H3.5	ntl-4	chrIV	-0.657745	0.000000
H34C03.2	H34C03.2	chrIV	-0.657830	0.000000
Y41C4A.4	crh-1	chrIII	-0.658050	0.000000
Y39B6A.38	reps-1	chrV	-0.661884	0.000000
K04B12.1	plx-2	chrII	-0.662855	0.000000
C03C10.9	C03C10.9	chrIII	-0.664821	0.013373
C10C5.2	C10C5.2	chrIV	-0.665194	0.006354
F52F12.6	ztf-11	chrI	-0.665205	0.000000
C09E7.6	C09E7.6	chrIII	-0.665907	0.000188
F38E11.5	F38E11.5	chrIV	-0.666420	0.000000
C14A4.9	C14A4.9	chrII	-0.666791	0.007111
W01C9.3	pqn-73	chrII	-0.669734	0.000000
F08B1.2	gcy-12	chrII	-0.670927	0.000000
F37B12.2	gcs-1	chrII	-0.671425	0.000000
C34G6.1	C34G6.1	chrI	-0.672593	0.000000

Y48G8AL.10	Y48G8AL.10	chrI	-0.673453	0.000000
Y92H12A.1	src-1	chrI	-0.673694	0.000000
F25D7.3	blmp-1	chrI	-0.674017	0.000000
F54F11.2	F54F11.2	chrII	-0.674069	0.000000
C09G12.9	tsg-101	chrIV	-0.675453	0.000000
T28F12.3	sos-1	chrV	-0.675780	0.000000
T04C4.1	T04C4.1	chrIV	-0.675973	0.000000
F13D11.2	hbl-1	chrX	-0.678084	0.000000
Y48E1B.1	ddl-2	chrII	-0.678188	0.000000
C25G4.10	C25G4.10	chrIV	-0.679010	0.000000
Y111B2A.22	ssl-1	chrIII	-0.679320	0.000000
C34G6.6	noah-1	chrI	-0.682580	0.000000
ZC101.1	ZC101.1	chrII	-0.684053	0.000001
F53H2.3	F53H2.3	chrV	-0.684271	0.000000
F41E6.4	smk-1	chrV	-0.684705	0.000000
Y48E1B.7	Y48E1B.7	chrII	-0.684905	0.000000
F30H5.3	F30H5.3	chrIII	-0.685555	0.000000
Y49F6B.1	cyh-1	chrII	-0.686388	0.000000
W02A11.4	uba-2	chrI	-0.690346	0.000000
F52C12.4	F52C12.4	chrIV	-0.691631	0.000000
Y53F4B.18	Y53F4B.18	chrII	-0.693140	0.000000
F54B3.1	F54B3.1	chrII	-0.695667	0.000000
F31F6.3	F31F6.3	chrX	-0.697087	0.000059
Y57A10A.20	sinh-1	chrII	-0.697984	0.000000
Y56A3A.2	Y56A3A.2	chrIII	-0.704983	0.000000
Y17G7B.9	cyn-16	chrII	-0.705037	0.000000
Y37D8A.17	Y37D8A.17	chrIII	-0.706510	0.000000
Y51A2D.15	Y51A2D.15	chrV	-0.706631	0.000000
T04A8.7	T04A8.7	chrIII	-0.707142	0.000000
W10C8.2	pop-1	chrI	-0.707768	0.000000
Y48G8AL.5	Y48G8AL.5	chrI	-0.709523	0.000000
C28H8.3	C28H8.3	chrIII	-0.712054	0.000000
R193.2	R193.2	chrX	-0.712070	0.000000
F52E10.5	ifa-3	chrX	-0.712224	0.000000
Y59A8B.14	par-4	chrV	-0.712621	0.000000
M01E10.2	dpy-1	chrIII	-0.713235	0.000178
Y51F10.11	Y51F10.11	chrI	-0.713957	0.000000
K09D9.2	cyp-35A3	chrV	-0.715369	0.000000
T27B7.7	fbxa-137	chrV	-0.716441	0.035158
Y39A1A.22	Y39A1A.22	chrIII	-0.720584	0.000000
Y48A6C.3	sup-35	chrIII	-0.720980	0.000000
Y56A3A.16	Y56A3A.16	chrIII	-0.721877	0.000000
K10B3.10	spc-1	chrX	-0.722939	0.000000
Y92H12A.5	Y92H12A.5	chrI	-0.723461	0.000000
Y50D7A.2	Y50D7A.2	chrIII	-0.727049	0.000000
R11A5.6	R11A5.6	chrI	-0.727370	0.013458
M01G5.5	snf-6	chrIII	-0.727745	0.000000
Y53F4B.20	Y53F4B.20	chrII	-0.729938	0.000915
Y57E12B.3	lipI-6	chrV	-0.731943	0.003303
T21H8.5	T21H8.5	chrX	-0.733448	0.000002
T02G5.14	T02G5.14	chrII	-0.737018	0.000610
F54E2.2	F54E2.2	chrV	-0.738108	0.027569
R06A4.8	agl-1	chrII	-0.738113	0.000000
Y106G6G.2	Y106G6G.2	chrI	-0.739427	0.022769
Y71G12A.2	Y71G12A.2	chrI	-0.739938	0.000000
F56A3.5	bro-1	chrI	-0.740820	0.002674
R31.1	sma-1	chrV	-0.741545	0.000000
M142.6	rle-1	chrIII	-0.741724	0.000000
K02F6.3	K02F6.3	chrII	-0.741981	0.007850
R05D11.1	daf-8	chrI	-0.747258	0.000000
K02F3.2	K02F3.2	chrIII	-0.747984	0.000000
Y54E10A.9	vbh-1	chrI	-0.748778	0.000000
C10A4.1	C10A4.1	chrX	-0.751386	0.003572

Y59A8B.21	Y59A8B.21	chrV	-0.752420	0.000000
Y46E12BL.4	spsb-1	chrII	-0.753512	0.000000
F15B9.7	fmi-1	chrV	-0.753561	0.000000
Y39D8B.1	mltn-7	chrV	-0.753758	0.047355
F36G9.12	oac-20	chrV	-0.753978	0.000407
K07E3.1	K07E3.1	chrX	-0.756924	0.000000
H04M03.4	glf-1	chrIV	-0.758966	0.000000
T20F5.4	T20F5.4	chrI	-0.761843	0.000000
Y50D4C.4	sqv-6	chrV	-0.762270	0.000000
Y95B8A.7	Y95B8A.7	chrI	-0.764846	0.000000
F01G10.3	ech-9	chrIV	-0.764944	0.000000
Y44E3A.4	Y44E3A.4	chrI	-0.766284	0.000000
T22H9.2	atg-9	chrV	-0.768463	0.000000
Y92H12BL.4	Y92H12BL.4	chrI	-0.772408	0.000000
F28C1.2	egl-10	chrV	-0.775219	0.000000
D2092.5	D2092.5	chrI	-0.775561	0.000000
C37A2.2	pqn-20	chrI	-0.775755	0.000000
T22A3.8	lam-3	chrI	-0.777531	0.000000
Y73B3A.4	Y73B3A.4	chrX	-0.778011	0.000000
C04F6.1	vit-5	chrX	-0.778291	0.000000
F26A10.2	F26A10.2	chrX	-0.781465	0.000000
Y116A8C.26	Y116A8C.26	chrIV	-0.782436	0.000000
B0432.7	B0432.7	chrII	-0.782449	0.000000
F58E6.3	F58E6.3	chrV	-0.782557	0.017751
F57B9.2	let-711	chrIII	-0.782668	0.000000
M6.3	pha-2	chrX	-0.782753	0.003798
H15N14.1	adr-1	chrI	-0.784289	0.000000
Y75B8A.6	Y75B8A.6	chrIII	-0.787252	0.000000
Y108G3AL.7	Y108G3AL.7	chrV	-0.788173	0.000000
C41C4.6	ulp-4	chrII	-0.788177	0.000000
Y110A2AM.1	Y110A2AM.1	chrII	-0.792385	0.000000
F43C1.1	F43C1.1	chrIII	-0.799108	0.000623
ZK112.7	cdh-3	chrIII	-0.803055	0.000000
W06H3.3	W06H3.3	chrV	-0.806810	0.000000
F53A2.9	F53A2.9	chrIII	-0.807789	0.000000
F14H12.1	col-165	chrX	-0.811505	0.000000
Y110A2AL.12	Y110A2AL.12	chrII	-0.813220	0.000000
F13D2.4	F13D2.4	chrX	-0.813681	0.004011
Y71G10AL.1	Y71G10AL.1	chrIV	-0.814760	0.000000
Y71G12B.13	Y71G12B.13	chrI	-0.821577	0.000000
Y106G6G.6	Y106G6G.6	chrI	-0.822857	0.011066
Y82E9BR.15	elc-1	chrIII	-0.825468	0.000000
M01G5.1	M01G5.1	chrIII	-0.826949	0.000000
C32A3.2	C32A3.2	chrIII	-0.830828	0.000000
Y71H2AM.8	set-27	chrIII	-0.831010	0.000000
Y48C3A.8	Y48C3A.8	chrII	-0.832138	0.000000
B0207.5	B0207.5	chrI	-0.834232	0.002597
R07E3.3	cut-5	chrX	-0.835188	0.001727
R04B3.1	R04B3.1	chrX	-0.835828	0.026600
Y38E10A.23	Y38E10A.23	chrII	-0.837990	0.000000
C52D10.3	C52D10.3	chrIV	-0.838906	0.000000
C18H9.3	C18H9.3	chrII	-0.844475	0.000000
Y50D4C.1	unc-34	chrV	-0.847165	0.000000
K12H6.1	nhr-119	chrII	-0.848127	0.000000
Y39A1A.5	rabx-5	chrIII	-0.848599	0.000000
K11C4.3	unc-70	chrV	-0.850235	0.000000
Y48G10A.3	Y48G10A.3	chrI	-0.859581	0.000000
F36D3.5	F36D3.5	chrV	-0.860770	0.008058
Y37D8A.22	epg-3	chrIII	-0.862935	0.000000
T24C4.4	T24C4.4	chrIII	-0.875280	0.002779
F52F10.4	oac-32	chrV	-0.876714	0.039925
T20H12.1	T20H12.1	chrII	-0.877717	0.010017
C41D11.4	C41D11.4	chrI	-0.878179	0.000000

ZK783.1	fbn-1	chrIII	-0.878923	0.000000
Y94H6A.11	egrh-3	chrIV	-0.879853	0.000000
C02B4.1	adt-1	chrX	-0.882200	0.000000
ZK742.1	xpo-1	chrV	-0.882664	0.000000
Y38C1AA.8	Y38C1AA.8	chrIV	-0.884012	0.000039
Y54G2A.27	Y54G2A.27	chrIV	-0.884274	0.000000
T23F1.5	T23F1.5	chrV	-0.885351	0.000066
Y111B2A.19	Y111B2A.19	chrIII	-0.905023	0.000000
Y39G10AR.17	sydn-1	chrI	-0.906825	0.000000
Y80D3A.2	emb-4	chrV	-0.908094	0.000000
C06G1.6	C06G1.6	chrX	-0.909810	0.000000
C38D4.8	arl-6	chrIII	-0.909922	0.032272
F54E4.2	F54E4.2	chrX	-0.912902	0.000024
Y76B12C.2	xpc-1	chrIV	-0.913596	0.000000
Y48C3A.12	Y48C3A.12	chrII	-0.914360	0.000000
W06H8.6	W06H8.6	chrV	-0.914509	0.000000
H05C05.1	H05C05.1	chrIII	-0.922591	0.000000
F43D9.1	F43D9.1	chrIII	-0.930185	0.000000
T22B7.7	T22B7.7	chrX	-0.933592	0.000000
F55G1.4	rod-1	chrIV	-0.933855	0.000000
F57F4.3	gfi-1	chrV	-0.933931	0.000000
H37N21.1	H37N21.1	chrI	-0.934501	0.000000
F52F10.3	oac-31	chrV	-0.935796	0.026066
K01D12.1	K01D12.1	chrV	-0.939852	0.002784
K03E5.3	cdk-2	chrI	-0.940790	0.000000
K08H10.1	lea-1	chrV	-0.940984	0.000000
T08H4.2	T08H4.2	chrII	-0.943663	0.000009
C11H1.8	C11H1.8	chrX	-0.943773	0.000000
Y39A1C.4	hex-3	chrIII	-0.945397	0.000000
ZK858.1	gld-4	chrI	-0.945996	0.000000
F22B5.3	cut-3	chrII	-0.946786	0.000000
C26C6.5	dcp-66	chrI	-0.951845	0.000000
W03G1.7	asm-3	chrIV	-0.952824	0.000000
Y50D7A.4	Y50D7A.4	chrIII	-0.953353	0.000000
R166.5	mnk-1	chrII	-0.954389	0.000000
Y92H12A.4	Y92H12A.4	chrI	-0.954679	0.000000
D2045.2	D2045.2	chrIII	-0.955244	0.000000
E01G4.1	tbc-14	chrII	-0.962096	0.000000
T21E8.1	pgp-6	chrX	-0.963985	0.000000
Y104H12BR.1	plst-1	chrIV	-0.965168	0.000000
Y40B1A.2	Y40B1A.2	chrI	-0.969307	0.000000
T24B8.7	T24B8.7	chrII	-0.973944	0.000000
M03C11.3	M03C11.3	chrIII	-0.974374	0.000000
Y54F10BM.1	Y54F10BM.1	chrIII	-0.974434	0.000000
Y39B6A.14	pro-3	chrV	-0.975732	0.000000
ZK112.3	ZK112.3	chrIII	-0.978368	0.003159
ZC317.7	ZC317.7	chrV	-0.986434	0.000000
F58D5.5	F58D5.5	chrI	-0.987877	0.000000
K02B7.4	K02B7.4	chrII	-0.988846	0.000000
Y48C3A.20	Y48C3A.20	chrII	-0.991044	0.000000
Y51H1A.2	Y51H1A.2	chrII	-0.992860	0.000000
F31F6.1	F31F6.1	chrX	-1.007592	0.000000
Y95B8A.5	gpa-16	chrI	-1.009556	0.000000
C46A5.4	C46A5.4	chrIV	-1.011959	0.000040
C12C8.3	lin-41	chrI	-1.012305	0.000000
Y105E8A.22	exc-4	chrI	-1.016109	0.000000
Y110A2AR.2	ubc-15	chrII	-1.017188	0.000000
Y92H12BM.1	Y92H12BM.1	chrI	-1.027257	0.000000
Y54G2A.28	Y54G2A.28	chrIV	-1.031572	0.000000
Y38C1BA.1	Y38C1BA.1	chrIV	-1.037331	0.000001
C29A12.6	C29A12.6	chrV	-1.038361	0.000461
C17D12.2	unc-75	chrI	-1.039907	0.000000
C40D2.2	math-20	chrII	-1.040663	0.035381

W03A5.6	W03A5.6	chrIII	-1.042576	0.000000
M03A1.6	ipla-1	chrII	-1.043885	0.004988
T08D2.1	T08D2.1	chrX	-1.045645	0.001893
Y54F10AM.10	rbc-2	chrIII	-1.046837	0.000000
Y82E9BR.19	Y82E9BR.19	chrIII	-1.049862	0.000000
F45E4.7	F45E4.7	chrIV	-1.050058	0.000038
F55F1.3	F55F1.3	chrX	-1.051834	0.005780
ZC84.6	ZC84.6	chrIII	-1.054915	0.000000
ZC84.1	ZC84.1	chrIII	-1.060518	0.000001
Y55D5A.5	daf-2	chrIII	-1.062112	0.000000
ZK816.5	dhs-26	chrX	-1.066884	0.000000
C05D11.8	C05D11.8	chrIII	-1.072908	0.000000
W02H5.2	W02H5.2	chrV	-1.077511	0.000000
Y39G8C.1	xrn-1	chrII	-1.081605	0.000000
Y9C9A.16	Y9C9A.16	chrIV	-1.101408	0.000489
Y6B3B.4	Y6B3B.4	chrI	-1.102362	0.000000
K10E9.1	K10E9.1	chrI	-1.103560	0.000000
K01A11.3	K01A11.3	chrIII	-1.103616	0.009060
Y39A3CR.3	Y39A3CR.3	chrIII	-1.109474	0.000000
Y92H12BR.7	Y92H12BR.7	chrI	-1.111334	0.000000
Y111B2A.9	Y111B2A.9	chrIII	-1.127945	0.000000
H06O01.4	H06O01.4	chrI	-1.135755	0.042144
K09B11.1	pik-1	chrIV	-1.138618	0.000000
F48B9.1	F48B9.1	chrX	-1.142557	0.000004
Y20F4.3	gap-3	chrI	-1.147257	0.000000
Y37E11AL.6	Y37E11AL.6	chrIV	-1.149236	0.000038
F54D12.6	rog-1	chrII	-1.152063	0.000000
Y54G2A.1	lin-22	chrIV	-1.156664	0.002060
Y50D4C.5	Y50D4C.5	chrV	-1.167104	0.000000
Y48A6B.10	Y48A6B.10	chrIII	-1.173893	0.000000
Y71H2AM.19	laf-1	chrIII	-1.183895	0.000000
C24A8.3	pqn-15	chrX	-1.192137	0.000000
K07A9.3	K07A9.3	chrIV	-1.212105	0.001222
R05D3.12	R05D3.12	chrIII	-1.214528	0.000000
C56C10.12	epg-5	chrII	-1.217055	0.000000
F55F1.5	F55F1.5	chrX	-1.232416	0.000489
F59A2.2	F59A2.2	chrIII	-1.239155	0.000000
F20G4.2	F20G4.2	chrI	-1.240005	0.000000
C16D6.1	C16D6.1	chrX	-1.245966	0.020674
Y48G8AL.6	smg-2	chrI	-1.250806	0.000000
R09E10.5	R09E10.5	chrIV	-1.258154	0.000000
R13A1.3	R13A1.3	chrIV	-1.261492	0.000001
ZK1193.4	ZK1193.4	chrX	-1.262346	0.000000
Y50D7A.11	Y50D7A.11	chrIII	-1.278592	0.000000
Y38F2AR.5	Y38F2AR.5	chrIV	-1.287292	0.000000
C09F9.2	C09F9.2	chrII	-1.291837	0.000000
C56E6.9	C56E6.9	chrII	-1.292931	0.000000
VY35H6BL.2	VY35H6BL.2	chrX	-1.296255	0.005794
R08E3.2	R08E3.2	chrX	-1.297578	0.000000
Y38F2AR.6	Y38F2AR.6	chrIV	-1.308768	0.000000
C34E11.7	C34E11.7	chrX	-1.309310	0.013242
W03F8.5	lam-1	chrIV	-1.316190	0.000000
ZK669.7	ZK669.7	chrII	-1.335315	0.000495
Y67D8A.2	Y67D8A.2	chrIV	-1.336993	0.000000
C10C5.1	C10C5.1	chrIV	-1.339246	0.000000
Y38C1AB.8	frm-5	chrIV	-1.349497	0.000000
Y73E7A.9	adpr-1	chrI	-1.351297	0.000000
Y48G1C.10	Y48G1C.10	chrI	-1.378278	0.000000
Y46D2A.2	Y46D2A.2	chrII	-1.386344	0.000849
F56E10.1	F56E10.1	chrV	-1.388989	0.000000
H08J11.2	H08J11.2	chrX	-1.390441	0.000000
F54E2.4	F54E2.4	chrV	-1.413352	0.000004
Y47G6A.29	Y47G6A.29	chrI	-1.420351	0.000000

F28B3.4	F28B3.4	chrI	-1.433385	0.000000
ZK1193.3	ZK1193.3	chrX	-1.435825	0.000000
Y48G1C.8	Y48G1C.8	chrI	-1.468255	0.000000
Y69A2AR.17	Y69A2AR.17	chrIV	-1.503668	0.000000
C34C6.2	C34C6.2	chrII	-1.543587	0.000000
F21F12.1	F21F12.1	chrI	-1.546028	0.038005
K03H4.2	K03H4.2	chrV	-1.563051	0.000000
F56C11.4	F56C11.4	chrI	-1.568943	0.000000
F47C12.1	F47C12.1	chrIV	-1.611334	0.000000
C25H3.11	C25H3.11	chrII	-1.665893	0.000000
C09H10.7	C09H10.7	chrII	-1.730221	0.000000
Y105E8A.29	Y105E8A.29	chrI	-1.759648	0.000000
Y105E8A.25	Y105E8A.25	chrI	-1.764661	0.000000
F48C1.4	F48C1.4	chrI	-1.846197	0.000000
B0511.14	B0511.14	chrI	-1.909144	0.000000
ZK1067.8	ZK1067.8	chrII	-1.938165	0.000000
F47C12.2	clcc-78	chrIV	-1.945084	0.000000
C44E4.2	C44E4.2	chrI	-1.995689	0.000000
C44E4.7	C44E4.7	chrI	-2.107873	0.000000

Supplemental Table 4: Differentially Expressed RNAs After 5 days Rotenone Treatment

Ensembl Gene Id	Gene Symbol	Chromosome	log2 Fold Change	P-Value
F31C3.9	rrn-3.1	chrI	3.158803	0.000000
F31C3.10	rrn-3.56	chrI	2.956425	0.000000
F49E12.2	dod-23	chrII	1.417238	0.000000
CE7X_3.1	CE7X_3.1	chrX	1.295104	0.002587
Y54G2A.8	clec-82	chrIV	1.294421	0.000000
F31C3.11	rrn-2.1	chrI	1.115618	0.000000
F59A7.1	clec-206	chrV	0.983588	0.006240
W07A12.6	oac-54	chrII	0.979910	0.000006
F41C3.1	F41C3.1	chrII	0.978962	0.022267
F41E6.15	F41E6.15	chrV	0.840893	0.033402
W07B8.5	cpr-5	chrV	0.802430	0.000006
F07H5.9	pho-13	chrII	0.795221	0.000664
C49F5.9	C49F5.9	chrX	0.790743	0.042857
T05E12.7	T05E12.7	chrV	0.747007	0.000710
R09A1.5	R09A1.5	chrV	0.701058	0.009262
Y75B7AR.1	Y75B7AR.1	chrV	0.699757	0.013279
F46C5.1	F46C5.1	chrII	0.698762	0.002931
F09C8.1	F09C8.1	chrX	0.688103	0.000633
C40H1.8	C40H1.8	chrIII	0.676970	0.004752
F11G11.10	col-17	chrII	0.655067	0.001333
ZC247.1	ZC247.1	chrI	0.653898	0.002164
T01B7.7	rol-6	chrII	0.629758	0.004302
C33C12.8	C33C12.8	chrII	0.622740	0.001627
W05B2.5	col-93	chrIII	0.616955	0.033075
T05E12.3	T05E12.3	chrV	0.605815	0.002587
F35C5.9	clec-66	chrII	0.596420	0.006401
Y73C8C.2	clec-210	chrV	0.580088	0.007842
F49E12.9	F49E12.9	chrII	0.572809	0.006818
F57F4.4	F57F4.4	chrV	0.549091	0.008177
T10B9.7	cyp-13A2	chrII	0.546681	0.044056
Y4C6B.6	Y4C6B.6	chrIV	0.534261	0.039424
B0491.2	sqt-1	chrII	0.522793	0.022953
C32H11.4	C32H11.4	chrIV	0.508592	0.021863
C29E4.1	col-90	chrIII	0.479079	0.046000
F11G11.11	col-20	chrII	0.471798	0.035993
Y39B6A.1	Y39B6A.1	chrV	0.465963	0.037354
F23D12.11	F23D12.11	chrX	-0.450401	0.048792
Y47D7A.1	skr-7	chrV	-0.452780	0.048935
F49E11.10	scl-2	chrIV	-0.453457	0.044842
C39D10.7	C39D10.7	chrX	-0.453702	0.043068
R11F4.1	R11F4.1	chrII	-0.454193	0.049914
Y105C5B.28	gln-3	chrIV	-0.454897	0.044339
F19H8.1	tps-2	chrII	-0.457833	0.047731
T28F4.5	T28F4.5	chrI	-0.462737	0.038893
F55B11.2	F55B11.2	chrIV	-0.463338	0.039769
F40F8.5	F40F8.5	chrII	-0.464100	0.039725
K11C4.4	odc-1	chrV	-0.464810	0.044734
F58B3.9	ttr-50	chrIV	-0.465062	0.039392
W03G1.7	asm-3	chrIV	-0.465675	0.040743
T13B5.3	pho-14	chrII	-0.468945	0.037972
T19D12.4	T19D12.4	chrII	-0.469027	0.044717
F21C10.10	F21C10.10	chrV	-0.470042	0.042367
E01G4.1	tbc-14	chrII	-0.474066	0.035993
B0365.6	clec-41	chrV	-0.474356	0.030473
F45D3.4	F45D3.4	chrV	-0.479051	0.028612
F56D6.9	F56D6.9	chrIV	-0.481369	0.039594
E04F6.9	E04F6.9	chrII	-0.483843	0.028620
JC8.14	ttr-45	chrIV	-0.484449	0.026099
ZK1073.1	ZK1073.1	chrX	-0.485338	0.039725
C54F6.14	ftn-1	chrV	-0.487645	0.026047

K07C6.4	cyp-35B1	chrV	-0.487962	0.028612
R07B1.10	lec-8	chrX	-0.490204	0.024071
ZK550.2	ZK550.2	chrIV	-0.491778	0.038581
C31H5.6	C31H5.6	chrI	-0.492000	0.037208
W03F8.5	lam-1	chrIV	-0.493127	0.026343
Y105E8A.29	Y105E8A.29	chrI	-0.494377	0.035818
T14G8.1	chd-3	chrX	-0.496915	0.022443
F47E1.2	F47E1.2	chrX	-0.497662	0.039594
F10E9.12	F10E9.12	chrIII	-0.497723	0.044074
Y39G10AR.11	Y39G10AR.11	chrI	-0.498948	0.023616
C40H1.5	ttr-5	chrIII	-0.501009	0.031972
ZK430.5	ZK430.5	chrII	-0.501157	0.046000
W07E11.1	W07E11.1	chrX	-0.501976	0.018790
Y57G11C.10	gdi-1	chrIV	-0.502519	0.018777
F28D1.2	F28D1.2	chrIV	-0.502741	0.023703
B0281.5	B0281.5	chrII	-0.503439	0.035285
Y69A2AL.2	Y69A2AL.2	chrIV	-0.506618	0.035818
C07D10.5	C07D10.5	chrII	-0.506934	0.026156
C07E3.3	C07E3.3	chrII	-0.507175	0.041566
K08H2.1	skr-21	chrX	-0.507272	0.041725
F58A3.2	egl-15	chrX	-0.508406	0.042640
F13C5.2	F13C5.2	chrX	-0.508904	0.022443
K08C7.5	fmo-2	chrIV	-0.509058	0.024036
C35E7.1	vet-2	chrI	-0.509543	0.019420
C18E3.7	ppw-1	chrI	-0.509649	0.028707
K08A8.2	sox-2	chrX	-0.510093	0.042367
Y51A2D.11	ttr-26	chrV	-0.511720	0.021786
Y105E8A.25	Y105E8A.25	chrI	-0.513244	0.029787
K05B2.3	ifa-4	chrX	-0.513369	0.030262
Y69A2AR.17	Y69A2AR.17	chrIV	-0.516739	0.035773
Y75B8A.3	Y75B8A.3	chrIII	-0.516986	0.026099
C25A8.4	C25A8.4	chrIV	-0.517138	0.013021
ZK1193.3	ZK1193.3	chrX	-0.517314	0.042640
F11A6.1	kpc-1	chrI	-0.521193	0.021856
T12A7.2	T12A7.2	chrIV	-0.522192	0.042857
C08A9.10	C08A9.10	chrX	-0.522219	0.018256
F44B9.1	dpf-6	chrIII	-0.523437	0.037108
ZK970.7	ZK970.7	chrII	-0.524396	0.020015
Y5F2A.2	ttr-17	chrIV	-0.524455	0.022443
T05A7.4	hmg-11	chrII	-0.524511	0.018864
F33E2.5	F33E2.5	chrI	-0.525048	0.042857
C05B5.8	C05B5.8	chrIII	-0.526489	0.030473
F53H2.2	cnc-7	chrV	-0.528387	0.028654
F21C10.11	F21C10.11	chrV	-0.529453	0.046680
F15E6.4	F15E6.4	chrIV	-0.530606	0.021729
ZK512.3	ced-11	chrIII	-0.531078	0.035285
F44F4.4	ptr-8	chrII	-0.531446	0.021085
Y73B6BL.9	hil-2	chrIV	-0.533862	0.010580
W04A8.4	W04A8.4	chrI	-0.534808	0.018790
F55B11.4	F55B11.4	chrIV	-0.535099	0.017204
C56C10.12	epg-5	chrII	-0.535516	0.012711
F48C1.4	F48C1.4	chrI	-0.537240	0.021856
F14H12.1	col-165	chrX	-0.537535	0.042857
B0213.3	nlp-28	chrV	-0.539684	0.016715
B0454.6	B0454.6	chrII	-0.542160	0.026667
Y32F6B.1	Y32F6B.1	chrV	-0.542434	0.022267
ZK1193.4	ZK1193.4	chrX	-0.542641	0.044339
F08F3.7	cyp-14A5	chrV	-0.543051	0.023376
F15A4.6	F15A4.6	chrII	-0.544497	0.020015
F26G1.2	F26G1.2	chrII	-0.544671	0.019850
W03A5.7	dnj-24	chrIII	-0.544688	0.029266
JC8.8	ttr-51	chrIV	-0.544925	0.008739
F21H7.1	gst-22	chrV	-0.545689	0.024506

K11G12.1	nas-11	chrX	-0.547485	0.008045
B0213.4	nlp-29	chrV	-0.549426	0.010004
C46F4.2	acs-17	chrX	-0.549963	0.010386
C29E6.1	let-653	chrIV	-0.549984	0.029787
C10C5.1	C10C5.1	chrIV	-0.550365	0.009321
F53C3.2	fbxb-103	chrII	-0.550578	0.039727
Y39G10AL.1	Y39G10AL.1	chrI	-0.550810	0.024071
F08D12.10	sdz-9	chrII	-0.552413	0.048792
C34G6.2	tyr-4	chrI	-0.553586	0.006767
F18G5.2	pes-8	chrX	-0.554253	0.045907
F20C5.6	F20C5.6	chrIV	-0.554732	0.019935
F52F12.6	ztf-11	chrI	-0.554873	0.009510
F56D6.8	F56D6.8	chrIV	-0.555219	0.008431
M199.4	clcc-190	chrIV	-0.555387	0.007935
F53H4.2	F53H4.2	chrX	-0.555613	0.007213
Y40B10A.6	Y40B10A.6	chrV	-0.556593	0.023616
ZK1010.7	col-97	chrIII	-0.556785	0.031800
F54F3.3	lipl-1	chrV	-0.556906	0.008739
C02A12.4	lys-7	chrV	-0.557111	0.005644
F35E12.5	F35E12.5	chrV	-0.557329	0.006767
R11.4	R11.4	chrX	-0.557567	0.022753
T27A10.6	T27A10.6	chrX	-0.558371	0.033402
T05E7.5	vet-1	chrI	-0.559278	0.007685
F41F3.4	col-139	chrV	-0.560125	0.034041
C52D10.9	skr-8	chrIV	-0.560454	0.018334
F41E7.1	F41E7.1	chrX	-0.561041	0.012799
Y46G5A.7	Y46G5A.7	chrII	-0.562302	0.049099
B0403.3	B0403.3	chrX	-0.562994	0.029717
C09F9.3	glna-1	chrII	-0.563589	0.028473
D1086.6	D1086.6	chrV	-0.565508	0.010293
C52D10.6	skr-12	chrIV	-0.566031	0.029643
C53A3.2	C53A3.2	chrV	-0.566198	0.008636
T23F11.6	T23F11.6	chrIII	-0.567830	0.026729
ZC250.4	ZC250.4	chrV	-0.569168	0.012272
C09H5.2	catp-3	chrV	-0.569921	0.004773
F42A10.7	F42A10.7	chrIII	-0.571285	0.006429
K02D7.5	K02D7.5	chrIV	-0.571868	0.018790
F22H10.2	F22H10.2	chrX	-0.572698	0.022049
T20G5.7	dod-6	chrIII	-0.573659	0.004773
F42E11.1	pqp-4	chrX	-0.573791	0.008260
W09G12.7	W09G12.7	chrIV	-0.574621	0.025040
M01E5.6	sepa-1	chrI	-0.574985	0.005313
F19H8.4	mltn-9	chrII	-0.575234	0.010385
F38A3.1	col-81	chrII	-0.575367	0.033075
ZK783.1	fbn-1	chrIII	-0.576834	0.012706
B0218.2	faah-2	chrIV	-0.577133	0.005644
F54D12.6	rog-1	chrII	-0.578799	0.044377
Y53F4B.28	ptr-20	chrII	-0.579274	0.010004
F12E12.10	fbxb-90	chrII	-0.579938	0.043068
C08E8.4	C08E8.4	chrV	-0.582404	0.010858
Y80D3A.7	ptr-22	chrV	-0.583977	0.007685
B0457.6	B0457.6	chrII	-0.586315	0.022267
W04A8.5	W04A8.5	chrI	-0.586543	0.022267
F56A6.1	sago-2	chrI	-0.586793	0.008842
C07A9.8	C07A9.8	chrIII	-0.587337	0.025040
T19B10.5	T19B10.5	chrV	-0.587642	0.009262
C34C6.7	C34C6.7	chrII	-0.589081	0.008775
T25B2.2	T25B2.2	chrX	-0.592756	0.023924
F41G3.10	F41G3.10	chrII	-0.594416	0.007228
B0252.2	asm-1	chrII	-0.594799	0.016405
F41E7.4	fip-5	chrX	-0.595189	0.010580
F46B6.8	lipl-2	chrV	-0.595304	0.005424
ZK1290.5	ZK1290.5	chrII	-0.596283	0.006295

R02C2.2	kin-34	chrV	-0.597812	0.020015
Y51A2D.4	hmit-1.1	chrV	-0.598081	0.007906
F54F7.3	F54F7.3	chrX	-0.599014	0.004958
R09B5.9	cnc-4	chrV	-0.599809	0.004237
ZC373.1	ZC373.1	chrX	-0.601407	0.004773
K08H10.1	lea-1	chrV	-0.602358	0.001943
T10H4.11	cyp-34A2	chrV	-0.603080	0.004525
C53D6.7	C53D6.7	chrIV	-0.604527	0.016405
F21E9.3	ttr-37	chrX	-0.605997	0.035874
Y5H2B.3	Y5H2B.3	chrV	-0.607340	0.006767
ZK337.1	tep-1	chrI	-0.608006	0.002016
C03G6.5	C03G6.5	chrV	-0.612511	0.042367
C52D10.3	C52D10.3	chrIV	-0.614217	0.008431
ZC239.21	ZC239.21	chrII	-0.614599	0.047739
C44E12.1	C44E12.1	chrX	-0.614905	0.040743
C44E4.2	C44E4.2	chrI	-0.616057	0.004164
C44E4.7	C44E4.7	chrI	-0.616372	0.001776
C24A8.3	pqn-15	chrX	-0.618012	0.002350
C54C6.7	C54C6.7	chrIII	-0.620453	0.027206
W01C9.3	pqn-73	chrII	-0.621465	0.043114
R09B5.3	cnc-2	chrV	-0.621523	0.003482
Y71F9AL.7	Y71F9AL.7	chrI	-0.621929	0.007842
Y41G9A.10	Y41G9A.10	chrX	-0.622058	0.006767
T12A7.4	lips-5	chrIV	-0.622533	0.020282
C35E7.3	C35E7.3	chrI	-0.622781	0.021101
F41C3.2	F41C3.2	chrII	-0.622841	0.012416
K05F6.4	K05F6.4	chrII	-0.623457	0.018334
F15E6.3	F15E6.3	chrIV	-0.624428	0.001516
Y46E12A.4	tbx-43	chrIII	-0.626219	0.011478
T14D7.2	oac-46	chrII	-0.628973	0.003100
F08C6.4	sto-1	chrX	-0.629110	0.002587
R04A9.7	R04A9.7	chrX	-0.630291	0.026729
R10E4.2	tag-310	chrIII	-0.631278	0.001047
F22F1.1	hil-3	chrX	-0.631723	0.002016
ZK938.2	arrd-4	chrII	-0.633559	0.016493
F53A9.1	F53A9.1	chrX	-0.634393	0.023376
C54C8.12	C54C8.12	chrI	-0.636641	0.004603
T05D4.2	T05D4.2	chrIII	-0.638533	0.003871
T01B11.5	T01B11.5	chrIV	-0.639071	0.003496
C25G4.10	C25G4.10	chrIV	-0.640512	0.001051
R10D12.1	R10D12.1	chrV	-0.642716	0.026156
Y54G11A.13	ctl-3	chrII	-0.644544	0.003084
K11G9.6	mtl-1	chrV	-0.645140	0.000763
T24C4.2	T24C4.2	chrIII	-0.645801	0.001840
F31F6.6	nac-1	chrX	-0.645975	0.036840
C53D6.2	unc-129	chrIV	-0.646465	0.005231
Y55B1BR.3	Y55B1BR.3	chrIII	-0.653553	0.000893
C27B7.7	C27B7.7	chrIV	-0.653930	0.012351
Y116A8C.3	Y116A8C.3	chrIV	-0.655195	0.028345
C09H10.7	C09H10.7	chrII	-0.656736	0.000936
F14B6.1	sdz-14	chrI	-0.658803	0.003551
Y42H9AR.5	Y42H9AR.5	chrIV	-0.661788	0.042257
T05H10.3	T05H10.3	chrII	-0.661857	0.033186
Y48E1B.16	clcc-145	chrII	-0.662636	0.009539
M02D8.4	asns-2	chrX	-0.663556	0.000387
BE10.3	BE10.3	chrIII	-0.663694	0.023376
F47B8.8	F47B8.8	chrV	-0.664021	0.027419
Y47D3A.12	tbx-37	chrIII	-0.666808	0.019221
F48E3.6	F48E3.6	chrX	-0.669496	0.022795
B0462.3	fbxb-119	chrV	-0.673624	0.004773
W09G12.1	dsl-2	chrIV	-0.674787	0.000555
C54C8.9	nlp-39	chrI	-0.674813	0.001034
M163.3	his-24	chrX	-0.675059	0.000427

F40H6.4	tbx-11	chrIII	-0.675648	0.001101
R52.1	sdz-28	chrII	-0.678519	0.001059
C24H11.3	tbx-38	chrIII	-0.678664	0.002840
W05E10.3	ceh-32	chrV	-0.682408	0.000543
F56D6.10	dct-8	chrIV	-0.682991	0.000565
F44F1.6	F44F1.6	chrI	-0.683820	0.010386
R07C3.1	clec-43	chrII	-0.686313	0.002641
B0213.15	cyp-34A9	chrV	-0.689534	0.000323
F57H12.3	ora-1	chrIV	-0.690872	0.001117
M142.2	cut-6	chrIII	-0.692695	0.020015
Y40B1B.3	fbxb-66	chrI	-0.694567	0.003645
Y46H3A.2	hsp-16.41	chrV	-0.694572	0.020544
F27E11.3	cfz-2	chrV	-0.695151	0.002393
F28D1.5	thn-2	chrIV	-0.696238	0.000166
C07H4.1	C07H4.1	chrII	-0.696696	0.006068
Y43F8A.3	Y43F8A.3	chrV	-0.697025	0.006371
F38C2.5	ccch-2	chrIV	-0.700856	0.010591
F45C12.6	btb-8	chrII	-0.701585	0.006764
F58F6.1	col-104	chrIV	-0.702578	0.007842
F59A1.10	F59A1.10	chrV	-0.705296	0.000697
T15H9.6	T15H9.6	chrII	-0.706020	0.000685
W09G12.4	dsl-1	chrIV	-0.708412	0.006678
F09B9.1	oac-14	chrX	-0.710033	0.000773
F14D12.5	sulp-2	chrX	-0.710790	0.000296
R08E3.2	R08E3.2	chrX	-0.713965	0.000255
F43D9.1	F43D9.1	chrIII	-0.714740	0.012322
F23D12.5	F23D12.5	chrX	-0.719097	0.003721
F56A12.1	unc-39	chrV	-0.719475	0.006333
C23H3.7	tre-5	chrII	-0.719877	0.022049
F49E11.11	scl-3	chrIV	-0.721942	0.019334
F22B5.3	cut-3	chrII	-0.724568	0.003914
Y105C5B.13	skr-10	chrIV	-0.726308	0.000208
AC3.7	ugt-1	chrV	-0.728365	0.002577
F38A1.10	clec-165	chrIV	-0.729037	0.008923
F15B9.6	F15B9.6	chrV	-0.729880	0.000208
T02B5.3	T02B5.3	chrV	-0.731678	0.043068
T13F2.8	cav-1	chrIV	-0.731877	0.000049
F23F12.9	F23F12.9	chrIII	-0.731936	0.000160
ZC513.8	col-43	chrV	-0.732897	0.000667
ZK1251.2	ins-7	chrIV	-0.733743	0.008536
Y23H5B.1	Y23H5B.1	chrI	-0.734767	0.002865
F53F1.6	F53F1.6	chrV	-0.734863	0.034811
Y39B6A.27	Y39B6A.27	chrV	-0.734933	0.023884
Y39G10AR.10	epg-2	chrI	-0.735425	0.000051
Y58G8A.1	lgc-26	chrV	-0.735655	0.011785
F47C12.1	F47C12.1	chrIV	-0.741605	0.033186
F44F1.7	vet-6	chrI	-0.743853	0.000162
T08B1.6	acs-3	chrV	-0.745393	0.007954
C15H9.1	nnt-1	chrX	-0.748707	0.000328
R07C3.6	fbxc-28	chrII	-0.749533	0.000386
R07D5.2	R07D5.2	chrX	-0.750136	0.043068
F53B6.9	fip-6	chrI	-0.754789	0.001006
C35E7.5	C35E7.5	chrI	-0.756786	0.000024
T07C4.2	tbx-8	chrIII	-0.758005	0.003100
T08E11.6	fbxb-10	chrII	-0.762115	0.004152
R07C3.7	fbxc-29	chrII	-0.763761	0.003939
F34D6.1	F34D6.1	chrII	-0.765225	0.007842
ZC373.7	col-176	chrX	-0.765351	0.023277
T22G5.7	spp-12	chrV	-0.768171	0.001117
Y63D3A.2	fbxb-100	chrI	-0.768348	0.021975
R52.8	math-36	chrII	-0.768805	0.040743
Y4C6B.2	Y4C6B.2	chrIV	-0.775572	0.002230
T01B10.5	T01B10.5	chrX	-0.779102	0.047731

C09F9.2	C09F9.2	chrII	-0.781114	0.000353
C08F1.6	C08F1.6	chrII	-0.781913	0.000082
Y46G5A.27	pes-10	chrII	-0.784231	0.000328
C02C2.3	cup-4	chrIII	-0.785404	0.001627
F53B2.6	ham-1	chrIV	-0.787454	0.000082
F48C1.9	F48C1.9	chrI	-0.788014	0.000025
F17E9.11	lys-10	chrIV	-0.795362	0.000640
R08C7.13	fbxb-75	chrIV	-0.800039	0.003607
C36B1.6	C36B1.6	chrI	-0.803994	0.003876
F48C5.1	F48C5.1	chrX	-0.807079	0.012504
C08F1.10	C08F1.10	chrII	-0.812586	0.000208
F38B7.2	F38B7.2	chrV	-0.814025	0.004525
T19C3.5	T19C3.5	chrIII	-0.814407	0.000032
F15A4.13	fbxb-102	chrII	-0.815476	0.006767
T25C12.2	spp-9	chrX	-0.815568	0.003984
F36H5.5	fbxb-53	chrII	-0.822407	0.026099
K09F6.8	fbxc-25	chrII	-0.823109	0.000278
T12D8.5	T12D8.5	chrIII	-0.823494	0.000015
B0238.12	B0238.12	chrV	-0.826701	0.000011
Y57A10C.1	Y57A10C.1	chrII	-0.827086	0.013481
T21H8.5	T21H8.5	chrX	-0.830056	0.004962
F27E11.2	F27E11.2	chrV	-0.843972	0.023423
W03D2.1	pqn-75	chrIV	-0.848084	0.000008
T26H2.1	fbxb-1	chrV	-0.851488	0.010386
T09B9.2	T09B9.2	chrX	-0.851821	0.002233
H08J11.2	H08J11.2	chrX	-0.854482	0.002641
F16B4.7	F16B4.7	chrV	-0.858017	0.010908
K05F6.2	fbxb-50	chrII	-0.861307	0.012929
T02D1.6	T02D1.6	chrIV	-0.867548	0.031796
K05F6.5	fbxb-44	chrII	-0.880235	0.002497
F39D8.1	pqn-36	chrX	-0.881374	0.000005
K06A1.3	cutl-16	chrII	-0.881818	0.000275
F08D12.9	sdz-10	chrII	-0.883896	0.010386
F40E10.1	hch-1	chrX	-0.892435	0.000012
T07G12.5	T07G12.5	chrIV	-0.895131	0.000011
F36G9.12	oac-20	chrV	-0.897446	0.000009
F28D1.3	thn-1	chrIV	-0.898014	0.000019
C06E8.5	C06E8.5	chrIII	-0.903528	0.023461
F28F5.6	F28F5.6	chrIII	-0.903870	0.000205
W03A3.1	ceh-10	chrIII	-0.904248	0.001618
M18.1	col-129	chrIV	-0.907056	0.000153
T04B8.3	arrd-1	chrII	-0.908851	0.000003
C28A5.4	ceh-43	chrIII	-0.913908	0.000001
R13A1.3	R13A1.3	chrIV	-0.914269	0.018777
T23E7.6	T23E7.6	chrX	-0.916227	0.000173
F55D10.1	aman-1	chrX	-0.918635	0.000000
F52E10.5	ifa-3	chrX	-0.919222	0.018661
F21H7.2	F21H7.2	chrV	-0.920287	0.011539
T16A1.8	fbxb-37	chrII	-0.921938	0.001438
Y113G7B.2	srh-217	chrV	-0.923477	0.048792
T08H4.2	T08H4.2	chrII	-0.923825	0.018777
M162.5	M162.5	chrV	-0.938311	0.000011
H32K16.2	H32K16.2	chrI	-0.950512	0.021101
Y17G9B.7	fbxb-77	chrIV	-0.952386	0.008001
C41H7.8	sdz-5	chrII	-0.954181	0.003543
C39E6.4	mls-2	chrX	-0.960550	0.000031
F08D12.8	fbxb-105	chrII	-0.960676	0.022267
M03A1.8	M03A1.8	chrII	-0.960731	0.001752
C24B9.9	dod-3	chrV	-0.964398	0.000000
C37A5.3	C37A5.3	chrI	-0.967059	0.000359
C10H11.5	ugt-27	chrI	-0.972825	0.001752
ZC116.3	ZC116.3	chrV	-0.989056	0.000001
F23F12.4	sdz-15	chrIII	-0.992174	0.019849

Y82E9BR.17	Y82E9BR.17	chrIII	-0.995507	0.000000
Y46E12A.1	cnc-6	chrIII	-0.997405	0.000301
T11A5.5	sdz-31	chrV	-0.997723	0.018661
E01G4.6	E01G4.6	chrII	-1.000471	0.000002
F08G2.5	F08G2.5	chrII	-1.004800	0.000000
ZK75.2	ins-2	chrII	-1.013967	0.000432
H39E23.3	H39E23.3	chrV	-1.014243	0.000005
F57H12.6	F57H12.6	chrIV	-1.021526	0.000001
T26H2.4	fbxb-116	chrV	-1.030806	0.034021
C09G5.6	bli-1	chrII	-1.035076	0.007228
C02F5.11	tsp-2	chrIII	-1.046783	0.001435
W01C9.2	W01C9.2	chrII	-1.052083	0.000082
C04F6.3	cht-1	chrX	-1.062398	0.000000
C25B8.4	clcc-266	chrX	-1.068328	0.000000
C05G5.5	C05G5.5	chrX	-1.072527	0.001198
F54C9.4	col-38	chrII	-1.098099	0.000000
R08C7.9	fbxb-74	chrIV	-1.099687	0.000431
ZK1037.6	ZK1037.6	chrV	-1.104776	0.000000
B0272.1	tbb-4	chrX	-1.109754	0.000000
F15E6.10	F15E6.10	chrIV	-1.126697	0.001217
C13D9.8	ncx-9	chrV	-1.134550	0.000036
F02D10.1	col-183	chrX	-1.142943	0.000000
C13D9.1	srr-6	chrV	-1.145104	0.000002
C37A5.2	fipr-22	chrI	-1.154393	0.000045
F47G4.6	F47G4.6	chrI	-1.155147	0.001752
F13B9.6	cutl-29	chrX	-1.159415	0.006832
C10A4.9	C10A4.9	chrX	-1.159457	0.038854
F52F10.3	oac-31	chrV	-1.168072	0.000014
F58E1.8	fbxb-18	chrII	-1.174769	0.000037
C50F7.5	C50F7.5	chrIV	-1.194524	0.000000
C37A5.8	fipr-24	chrI	-1.220392	0.000137
Y105C5B.3	Y105C5B.3	chrIV	-1.223816	0.000008
M195.1	col-77	chrII	-1.224213	0.000000
R13H4.3	pho-8	chrV	-1.237102	0.000000
T26H5.9	T26H5.9	chrV	-1.254328	0.000000
F40G9.12	F40G9.12	chrIII	-1.255492	0.044377
B0213.16	cyp-34A10	chrV	-1.256589	0.031972
F47H4.10	skr-5	chrV	-1.288666	0.007783
F53B6.8	fipr-26	chrI	-1.291139	0.000298
C37A5.4	fipr-23	chrI	-1.307051	0.001247
Y48G9A.10	cpt-3	chrIII	-1.338888	0.000000
F48F7.7	arrd-24	chrX	-1.351614	0.031972
C08E3.6	fbxa-163	chrII	-1.401005	0.000012
Y46H3A.5	Y46H3A.5	chrV	-1.453525	0.008378
T27F2.4	T27F2.4	chrV	-1.453693	0.000000
F52B11.4	col-133	chrIV	-1.464781	0.000000
C18C4.7	C18C4.7	chrV	-1.501308	0.037866
T08B2.4	T08B2.4	chrI	-1.501548	0.047731
Y49F6B.10	col-71	chrII	-1.512076	0.000000
F44A2.7	F44A2.7	chrV	-1.578768	0.000026
C50F7.2	clx-1	chrIV	-1.609805	0.009262
F15E11.15	F15E11.15	chrV	-1.611369	0.000000
Y105C5A.13	Y105C5A.13	chrIV	-1.611910	0.000368
R155.2	R155.2	chrIII	-1.614797	0.023955
C35D10.2	C35D10.2	chrIII	-1.624450	0.002500
Y69E1A.2	Y69E1A.2	chrIV	-1.626593	0.021101
W03D2.9	W03D2.9	chrIV	-1.630658	0.049035
F53A9.2	F53A9.2	chrX	-1.645416	0.000000
Y51H7C.13	Y51H7C.13	chrII	-1.732550	0.000000
F59E12.12	bli-2	chrII	-1.752674	0.000006
F15E11.12	F15E11.12	chrV	-1.832661	0.000000
F09F9.3	F09F9.3	chrX	-1.852619	0.001423
C02E7.1	catp-2	chrV	-1.881777	0.004965

C35D10.11	msd-4	chrIII	-1.885235	0.012504
ZK355.3	ZK355.3	chrII	-1.889894	0.004965
Y47D7A.15	Y47D7A.15	chrV	-1.893197	0.000010
T22B3.2	T22B3.2	chrIV	-1.912295	0.043068
F44G3.10	F44G3.10	chrV	-1.925465	0.012110
Y47G6A.15	Y47G6A.15	chrI	-1.938283	0.000000
F17E9.5	F17E9.5	chrIV	-1.969589	0.006767
Y38C1AA.7	Y38C1AA.7	chrIV	-1.973344	0.006818
F56F3.7	F56F3.7	chrIII	-1.973767	0.012504
F22D6.10	col-60	chrI	-1.980712	0.000000
T10E9.4	T10E9.4	chrI	-1.996570	0.012504
Y11D7A.11	col-120	chrIV	-2.195550	0.000000
D1086.9	D1086.9	chrV	-2.202498	0.000000
T19D12.5	T19D12.5	chrII	-2.323152	0.000000
ZK484.5	ZK484.5	chrI	-2.327358	0.000301
E02H4.8	E02H4.8	chrX	-2.330181	0.022183
M05D6.10	M05D6.10	chrII	-2.497878	0.041725
Y25C1A.1	clcc-123	chrII	-2.582826	0.010385
B0025.5	B0025.5	chrI	-2.641470	0.028473
R09E10.6	R09E10.6	chrIV	-2.654963	0.001202
F32H2.7	F32H2.7	chrI	-2.721477	0.013001
Y57G11A.2	Y57G11A.2	chrIV	-2.767539	0.000002
ZK757.3	tag-76	chrIII	-3.013542	0.004114
ZK265.3	ZK265.3	chrI	-3.041660	0.013001
W05G11.3	col-88	chrIII	-3.159887	0.000000
Y113G7C.1	Y113G7C.1	chrV	-3.279937	0.000196
C52D10.13	col-138	chrIV	-3.292285	0.000000
Y73B6BL.34	col-112	chrIV	-3.581855	0.000000
ZK265.2	col-63	chrI	-3.653110	0.000000
ZC116.2	cyc-2.2	chrV	-3.747489	0.011478
K09H9.3	col-49	chrI	-3.868511	0.000000
C35B8.1	col-175	chrX	-3.883209	0.000000
Y57A10A.11	rol-1	chrII	-4.259824	0.000000
T25B9.6	T25B9.6	chrIV	-4.696853	0.018741
ZC373.6	dao-4	chrX	-5.169136	0.001151

Supplemental Table 5: Differentially Expressed RNAs After 10 days Rotenone Treatment

Ensembl Gene Id	Gene Symbol	Chromosome	log2 Fold Change	P-Value
Y74C9A.6	Y74C9A.6	chrI	2.035104	0.000009
F31C3.11	rrn-2.1	chrI	1.868771	0.000000
E04F6.16	mrpr-1	chrII	1.213878	0.000198
C25A1.6	C25A1.6	chrI	0.188746	0.029854
T03F6.6	T03F6.6	chrIII	-0.660935	0.010049
ZC116.3	ZC116.3	chrV	-1.098351	0.036335
W03F11.4	W03F11.4	chrI	-1.147467	0.021486
T10E9.4	T10E9.4	chrI	-1.242433	0.004925
T27A3.5	T27A3.5	chrI	-1.308133	0.010763
F58E6.5	F58E6.5	chrV	-1.344995	0.025721
M70.3	M70.3	chrIV	-1.388917	0.007612
K02E11.1	ent-3	chrV	-1.395506	0.040970
ZK1010.5	ZK1010.5	chrIII	-1.422655	0.020998
C36H8.1	C36H8.1	chrIV	-1.437580	0.019760
ZK484.5	ZK484.5	chrI	-1.479688	0.002125
F27C1.1	F27C1.1	chrI	-1.636889	0.012616
C35D10.11	msd-4	chrIII	-1.744538	0.002539
C04G2.9	C04G2.9	chrIV	-1.750036	0.000013
Y113G7C.1	Y113G7C.1	chrV	-1.753657	0.000104
ZK945.7	ZK945.7	chrII	-1.833260	0.036335
C33F10.1	C33F10.1	chrII	-1.840554	0.004582
ZK757.3	tag-76	chrIII	-1.962524	0.030526
C10G11.8	C10G11.8	chrI	-2.005861	0.001085
T27A3.3	ssp-16	chrI	-2.070751	0.010021
T28H11.5	ssq-2	chrIV	-2.164614	0.002539
R09E10.6	R09E10.6	chrIV	-2.264185	0.004925
K03H1.1	gln-2	chrIII	-2.482814	0.005593

Supplemental Table 6: Differentially Expressed RNAs After 20 days Rotenone Treatment

Ensembl Gene Id	Gene Symbol	Chromosome	log2 Fold Change	P-Value
M195.1	col-77	chrII	2.555114	0.022364
Y73B6BL.34	col-112	chrIV	2.071675	0.000269
K02E11.10	K02E11.10	chrV	2.055226	0.003619
W05G11.3	col-88	chrIII	1.997187	0.000000
K12B6.3	fil-2	chrV	1.946279	0.016608
F56D6.9	F56D6.9	chrIV	1.897126	0.038547
K10D11.1	dod-17	chrIV	1.870417	0.007033
C37A5.5	C37A5.5	chrI	1.858971	0.001396
D1086.9	D1086.9	chrV	1.139823	0.000001
F31C3.11	rrn-2.1	chrI	1.118208	0.000178
C50F7.2	clx-1	chrIV	0.702242	0.008750
C02D5.3	gsto-2	chrIII	0.634847	0.009044
C37A5.6	C37A5.6	chrI	0.626815	0.000000
F55G11.4	F55G11.4	chrIV	0.619504	0.014429
F15E6.8	dct-7	chrIV	0.454087	0.000000
F30H5.2	nlp-32	chrIII	0.389356	0.000000
Y32G9A.1	gst-37	chrV	0.357717	0.000000
T09F5.9	clcc-47	chrV	0.353625	0.000206
C17H12.8	C17H12.8	chrIV	0.350974	0.038547
T10B5.8	T10B5.8	chrV	0.330074	0.002350
M02D8.4	asns-2	chrX	0.315919	0.000000
F23F12.12	F23F12.12	chrIII	0.311040	0.007491
C03G6.14	cyp-35A1	chrV	0.289633	0.001551
F18E3.12	F18E3.12	chrV	0.286226	0.001866
C41H7.7	clcc-3	chrII	0.256160	0.000000
R13D11.3	R13D11.3	chrV	0.248591	0.038547
H39E23.3	H39E23.3	chrV	0.221666	0.000000
F56D6.10	dct-8	chrIV	0.203521	0.000549
F56D6.8	F56D6.8	chrIV	0.192618	0.000000
C30F8.3	C30F8.3	chrI	0.155185	0.000000
Y39B6A.1	Y39B6A.1	chrV	0.119116	0.000039
C37A5.4	fipr-23	chrI	0.105401	0.002340
F15B9.1	far-3	chrV	0.099509	0.000500
R03D7.6	gst-5	chrII	0.088526	0.021535
ZK355.3	ZK355.3	chrII	0.085667	0.023253
K01A6.4	K01A6.4	chrIV	0.075952	0.001396
K07C6.5	cyp-35A5	chrV	0.063381	0.002340
Y41G9A.10	Y41G9A.10	chrX	0.036233	0.038547
F36D3.9	cpr-2	chrV	0.026054	0.000026
C27H5.6	C27H5.6	chrII	-0.037196	0.026891
F08G2.5	F08G2.5	chrII	-0.038945	0.005661
ZK1058.6	nit-1	chrIII	-0.041329	0.000009
C10H11.3	ugt-25	chrI	-0.042292	0.000782
F41E7.5	fipr-21	chrX	-0.043298	0.000040
F23F12.3	F23F12.3	chrIII	-0.045529	0.000206
T22G5.7	spp-12	chrV	-0.046125	0.000241
F57H12.6	F57H12.6	chrIV	-0.062920	0.000000
T04C12.7	T04C12.7	chrV	-0.065367	0.037887
F16B4.4	F16B4.4	chrV	-0.072393	0.014437
C45B2.3	C45B2.3	chrX	-0.087379	0.026880
C37A5.8	fipr-24	chrI	-0.097012	0.000012
F37H8.3	F37H8.3	chrII	-0.098163	0.045161
Y46C8AL.8	clcc-74	chrIV	-0.099002	0.000772
F37B1.1	gst-24	chrII	-0.117389	0.030349
B0454.7	clcc-2	chrII	-0.125154	0.000206
C23G10.6	C23G10.6	chrIII	-0.127511	0.000000
Y46E12A.1	cnc-6	chrIII	-0.130776	0.000000
F57H12.3	ora-1	chrIV	-0.142512	0.000000
F22B7.4	fip-1	chrIII	-0.153224	0.000000

C35A5.2	ugt-33	chrV	-0.203601	0.000005
C18C4.7	C18C4.7	chrV	-0.214208	0.000026
F35E12.5	F35E12.5	chrV	-0.238797	0.000920
R09E12.9	R09E12.9	chrV	-0.240433	0.001885
F38E11.1	hsp-12.3	chrIV	-0.246427	0.037811
T05A8.2	T05A8.2	chrII	-0.291229	0.030988
F32A7.8	F32A7.8	chrI	-0.325210	0.000216
ZK355.8	ZK355.8	chrII	-0.350310	0.021535
T28H11.5	ssq-2	chrIV	-0.363508	0.021535
K07B1.1	try-5	chrV	-0.371227	0.009987
R09B5.2	cnc-1	chrV	-0.380489	0.000000
C54E10.2	C54E10.2	chrV	-0.417289	0.017978
F29F11.2	ugt-34	chrV	-0.572028	0.000000
F57B1.4	col-160	chrV	-0.579976	0.044984
K09H9.3	col-49	chrI	-0.582559	0.003619
K09C4.1	K09C4.1	chrX	-0.679802	0.047674
R13D11.10	R13D11.10	chrV	-0.692673	0.017978
K09C8.3	nas-10	chrX	-0.730730	0.000024
ZC239.7	gcy-15	chrII	-0.740095	0.015783
M18.1	col-129	chrIV	-1.794147	0.048237
