

B0205.3 (*rpn-10*)
 B0414.8
 C04E6.5
 C08B11.7 (*ubh-4*)
 C10G11.8
 C16C8.11
 C16C8.12
 C16C8.14
 C16C8.4
 C16C8.5
 C26F1.4 (*rps-30*)
 C34F6.9
 C44B7.1
 C47B2.4 (*pbs-2*)
 C52E4.4 (*rpl-1*)
 F07A11.4
 F10G7.8 (*rpn-5*)
 F15C11.2
 F29C4.5 (*duo-2*)
 F30A10.10
 F35B3.1
 F35G12.12
 F37B12.4
 F38B7.5 (*duo-1*)

F45H11.2 (*ned-8*)
 F46F11.4 (*ubl-5*)
 F49C12.9
 F52C6.2
 F52C6.3
 F52C6.4 (*math-32*)
 F56G4.2 (*pes-2*)
 F59B2.5
 F59E12.6
 H19N07.2 (*math-33*)
 H34C03.2
 K02C4.3
 K08B4.5
 K08A9.4
 R10E11.3
 T05H10.1
 T06D8.8 (*rpn-9*)
 T06G6.4
 T22F3.2
 T27A3.2
 Y53C12B.2
 Y54E10BR.4
 ZK1236.7
 ZK688.5

C06A5.4
 C14A4.4 (*crn-3*)
 C17G10.1
 C53A5.2
 D2030.8
 R11A5.1 (*apb-3*)
 T10F2.3 (*ulp-1*)
 T16H12.2
 W03F8.4
 ZC395.2 (*clk-1*)
 ZC97.1 (*tag-354*)
 ZK418.4 (*lin-37*)
 ZK652.9 (*coq-5*)

C01G10.12 (*dj-3*)
 F56G4.5 (*png-1*)
 C18E9.10
 C27F2.5
 C47B2.2
 T09E8.3
 Y55D9A.2
 K11G12.4 (*smf-1*)
 R05D11.6
 F26E4.11 (*hrdl-1*)
 B0035.2 (*dj-2*)

UPS

Key

Homologs of human PD genes

- negative in RNAi screen
- ◐ positive in primary RNAi screen
- ◑ positive in secondary RNAi screen

Gene IDs

- negative in RNAi screen
- ◐ positive in primary RNAi screen
- ◑ positive in secondary RNAi screen

Lines

- black = co-expressed via microarray
- - - black dotted = interactome data
- colored = associated with process

Cellular processes

- ERAD
- UPS
- autophagy
- UPR
- yeast α -syn toxicity gene

Color coded

C48D5.1 (NHR-6)

T01C8.1 (*aak-2*)

B0432.2 (DJ-1)

EED8.9 (PINK1)

F46E10.8 (UCHL1)

T27C10.6 (LRK-1)

Y65B4BR.4 (*wwp-1*)

F32A6.3 (*vps-41*)

B0025.1 (*vps-34*)

ZC155.7 (*syn-16*)

autophagy

ZC518.2 (*sec-24.2*)

yeast α -syn toxicity gene

K08E3.7 (parkin)

UPR

M7.5 (*algr-7*)

F55A11.3 (*hrd-1*)
C35B1.1 (*ubc-1*)

T04G9.3 (*ile-2*)
F36H1.1 (*ftb-1*)
F39B2.10 (*dj-12*)

F53C3.13
Y54E10BR.2

ERAD

B0403.4 (*tag-320*)
C15H9.6 (*hsp-3*)
H06O01.1 (*pdi-3*)

K02G10.8 (*dj-14*)
T03G11.4
T14G8.3

F57F5.5 (*pkc-1*)
ZK593.6 (*lgg-2*)

W08D2.5 (PARK9)

C34D4.14
F26G5.9 (*tam-1*)
D1022.1 (*ubc-6*)

Y54E10BR.1

F57B10.11 (*bag-1*)
F43E2.8 (*hsp-4*)

C16C8.13
F21C3.3 (*tag-202*)

ZK20.5 (*rpn-12*)
Y106G6H.12 (*duo-3*)

F37A4.5
Y40G12A.1 (*ubh-3*)
Y59ARB.2

Y37A1B.13 (*tor-2*)

α -syn proteomics

C12C8.1 (*hsp-70*)
F44E5.4
F44E5.5
F52D10.3 (*ftt-2*)
F54C9.2 (*stc-1*)
M117.3
Y38A10A.5 (*crf-1*)