

Table S3: Genes identified by RNAi phenotypes with associated Drosophila alleles

Gene	Phenotype <i>in vivo</i> *	RNAi in Cultures [†]	z [Kc ₁₆₇]	z [S2R ⁺]
A3-3	Semi-lethal		0.7	3.1
abd-A	Lethal		6.3	5.3
aop	Lethal		3.3	6.1
ara	Lethal		0.4	3.1
B-H2	Visible		4.6	4.5
blw	Lethal		5.4	3.0
bnl	Lethal		0.8	3.6
bs	Lethal		3.8	5.0
bss	Viable, Behavioral		7.2	6.3
cad	Lethal		3.3	4.4
Cdc27	Lethal		0.6	3.0
cdc2c	Lethal		0.6	3.7
CG11473	Uncharacterized		4.0	4.4
CG12054	Uncharacterized		4.5	3.4
CG12719	Lethal		4.2	3.2
CG15365	Lethal		3.7	4.1
CG17836	Uncharacterized		5.7	4.5
CG2162	Uncharacterized		3.4	3.1
CG15469	Uncharacterized		4.0	4.4
CG5953	Uncharacterized		2.4	3.0
CG7552	Modifier (cycE and pnr)		6.6	4.1
CG8055	Uncharacterized		4.2	3.2
CG8092	Uncharacterized		1.7	3.8
CG8926	Uncharacterized		2.1	3.2
cno	Lethal		3.0	4.5
cpo	Lethal		0.2	3.6
CycE	Lethal		2.0	3.3
dm	Lethal		4.6	5.0
Dox-A2	Lethal		4.0	2.6
E2f	Lethal		0.6	3.7
eIF-4a	Lethal		3.6	4.2
Eip78C	Viable		1.0	4.3
eyg	Semi-lethal		3.4	4.6
fru	Lethal		2.8	3.4
Fs(2)Ket	Lethal		4.0	3.3
fzy	Lethal		2.1	5.3
EG:133E12.2 (Hr4)	Lethal		2.0	4.7
His3.3A	Uncharacterized		2.4	3.9
HmgD	Lethal (with GAL4 lines)		2.0	3.2
hoip	Lethal		4.0	5.3
ind	Visible, Neurodefective		1.7	5.0
ken	Lethal		3.7	3.8
Lam	Lethal		1.7	3.3
mam	Lethal		2.9	4.5
Med	Visible (Lethal in trans)		0.5	3.5
Mov34	Lethal		4.7	5.3
msi	Lethal		3.7	0.1
nej	Lethal		3.2	2.6
noi	Lethal		2.1	3.5
odd	Lethal		2.7	4.9
orb	Lethal		5.6	5.1
pAbp	Lethal	Cell death increase (1)	3.6	3.0
Pabp2	Uncharacterized		3.4	3.9
Pros25	Uncharacterized		2.6	4.2
Pros26	Lethal	Cell death increase (2)	2.7	3.1

psq	Lethal		5.6	4.2
raw	Lethal		1.3	3.6
CG14975 (Rdh)	Viable		5.0	3.9
RpL11	Lethal		3.2	3.0
RpL14	Lethal		2.9	4.0
RpL18A	Uncharacterized		3.5	3.6
RpL19	Lethal		3.9	3.9
RpL3	Uncharacterized		2.7	4.1
RpL22	Lethal		3.8	4.3
RpL36	Lethal		3.4	3.9
RpL9	Lethal		2.6	3.9
Rpn2	Lethal (in trans)	Cell death increase (2)	3.2	2.5
RpP2	Lethal		-0.2	3.8
RpS13	Lethal		3.4	1.0
RpS26	Lethal		3.9	2.9
RpS3	Visible, Minute		3.6	2.3
RpS3A	Lethal		4.4	3.1
Rpt1	Lethal	Cell death increase (2)	4.5	2.9
rut	Lethal		3.3	4.0
sbr	Lethal	Cell growth decrease (3,4)	1.9	3.0
Scr	Lethal		3.8	4.4
scrt	Visible		0.8	4.4
Smr	Uncharacterized	Cell death increase (1)	4.7	4.6
smt3	Lethal		3.3	1.6
so	Lethal		1.9	3.9
srp	Lethal		4.8	3.1
stg	Lethal		2.3	4.0
Su(z)2	Lethal		4.2	4.1
th	Lethal	Cell death increase (5)	7.0	6.1
Trl	Lethal		5.9	4.6
wts	Lethal		4.3	5.3
z	Visible		3.3	2.6

* most severe phenotype reported in FlyBase

† previously described dsRNA phenotypes in *Drosophila* cell cultures

- (1) S2 cells, Ramet et al., 2002, Nature 416(6881)
- (2) S2 cells, Wojcik and DeMartino, 2002, J. Biol. Chem. 277(8): 6188--6197
- (3) S2 cells, Gatfield et al., 2001, Curr. Biol. 11(21): 1716--1721
- (4) SL2 cells, Herold et al., 2001, RNA, N.Y. 7(12): 1768--1780
- (5) S2 cells, Igaki et al., 2002, J. Biol. Chem. 277(26): 23103--23106

Source: FlyBase, PubMed