

Gene/protein names and symbols used in the paper

Protein Symbols:

In Main Paper and Figures:

D. melanogaster proteins: ADAR, ERF3.

General: GFP

Supplement but not main paper:

SRp30

Gene Symbols:

In Main Paper and Figures:

D. melanogaster: *syn*, *kel*, *hdc*, *elav*, *wg*, *Sxl*, *oaf*, CG14669, CG3638, *Mctp*, *slo*, *AlcR2*, *bw*, CG17319, *Glu-RIB*, *gish*, *Abd-B*, *cnc*, *Jra*, *Sp1*, *z*, *eRF*.

C. elegans: *shk-1*, *F38E11.5*, *F38E11.6*, *K07C11.4*, *C18B2.6*

S. cerevisiae: *PDE2*, *IMP3*, *BSC1*, *BSC3*, *YLR462W*, *YLR464W*

Human: *SACM1L*

Rabbit: beta-globin

General: eGFP

Supplement but not main paper:

D. melanogaster gene symbols: *DopEcR*, *qvr*, CG8481, CG34318, CG42265, *HLH4C*

In Readthrough Candidates list:

CG3655, CG3711, A3-3, CG3638, *br*, *z*, *bi*, *HLH4C*, *ctp*, CG2278, *Sp1*, CG18375, CG30389, CG10321, *Dnr1*, *jbug*, *ppa*, *Pde8*, alpha-catenin-related, *Mov34*, CG13579, *Tkr*, *trh*, *RabX6*, *Bgb*, *DmsR-2*, *DmsR-1*, *BtbVII*, *Eip63E*, *Awh*, CG14977, *wit*, *Syx17*, CG18292, *dlg1*, *Ptp10D*, CG1847, *mew*, *hep*, *Tango13*, *rab3-GEF*, *HDAC6*, CG9095, CG9784, *para*, CG8949, CG8557, *dik*, CG32541, CG33253, *car*, *fz2*, CG14082, *Mkp3*, *TORC*, *Dab*, *mbf1*, *Hip14*, *brm*, *Eip71CD*, *fz*, *Sox21b*, *Sox21a*, *Rgl*, *caps*, *trn*, *mirr*, CG18490, *Mnf*, *klu*, *Gap1*, CG16711, *vsg*, *Glu-RIB*, CG6282, CG13685, *vvl*, CG32394, CG8398, CG13287, CG4603, CG31772, *Rbp9*, *toc*, CG10882, CG31670, *chinmo*, *lea*, *NLaz*, *ush*, *RhoBTB*, *Ac78C*, *Aef1*, CG32446, *Ten-m*, *jim*, CG14669, CG9778, CG4230, CG14023, CG14020, *retm*, *Liprin-alpha*, *MED20*, *Scgalpha*, *Sema-1a*, CG32982, CG5850, *bib*, *SCAR*, *spict*, *DnaJ-H*, *BicD*, *Socs36E*, *kel*, *MESR3*, *Lim3*, *drl*, *tj*, CG10188,

CG9264, CG9727, dsx, grn, CG8007, Teh1, nerfin-2, Tsp86D, CG6923, l(3)neo38, svp, CG17319, CG12402, ear, gish, Pak3, Abd-B, CG5319, Sur-8, CG7397, sr, gl, Ssdp, fru, CG18208, CG5629, CG31221, CG4562, bon, Oamb, Oamb, slmb, NELF-A, Caki, Eip93F, CG31163, PSR, cnc, CG13604, CG13601, CG5669, nAcRalpha-96Aa, CG5794, slo, dan, Tsp96F, CG5447, Tl, Ets97D, btz, CG33203, CG11873, yemalpha, DopR2, CG1969, Takr99D, hdc, aralar1, zfh1, spn-F, chp, gammaCop, kek6, CG2126, Adf1, par-1, hrg, rib, 5-HT1B, CG15099, CG15097, CG5098, sbb, CG5742, CG4802, unc-104, DAT, Atg9, CG8179, Khc-73, CG8092, CG10209, Spred, RN-tre, CG6191, CG32843, Su(z)2, Rep1, CG9003, shn, E(Pc), stan, CG42236, psq, Hr46, Jra, Vang, CG8272, mXr, lig, Optix, esn, smi35A, AlCR2, Ptx1, Syn, Mvl, CG32206, Hk, CG32809, Octbeta2R, CG33981, Nf1, Sxl, CG13784, CG34135, Mctp, CG34145, aPKC, caps, CG34318, CG34351, Dgk, CG34371, CG34380, NaCP60E, sif, CG34420, CG34449, sba, CG17912, CG15923, CG7568, CG31140, Tsp5D, CG18437, CG6454, CG31688, CG1531, CG9760, beat-IIIb, CG31048, CG33960, CG34126, CG34363, CG34400, CG6938, DopR, CG42247, CG42256, CG9059, CG42265, CG42265, Pde9, CG42340, oc, mun, CG13675, CG42457, fkh, vvl, Pde6, rn