

Supplementary Table 2: Fly strains and antibodies

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Fly strains		
Drosophila, Canton-S	Bloomington Drosophila Stock Center (BDSC)	64349
Drosophila, yw;;	Desplan lab	N/A
Drosophila, Opa:V5	(Abdusselamoglu et al., 2019)	N/A
Drosophila, fkh:GFP	BDSC	43951
Drosophila, Ets65A:GFP	BDSC	38640
Drosophila, MzVum-Gal4	BDSC	29031
Drosophila, Oaz-Gal4	BDSC	80596
Drosophila, hth-RNAi	Vienna Drosophila Resource Center (VDRC)	v100630
Drosophila, scro-RNAi	BDSC	33890
Drosophila, Oaz-RNAi	BDSC	35715
Drosophila, BarH1-RNAi	VDRC	v330335
Drosophila, MARCM FRT82B	BDSC	86311
Drosophila, FRT2A	(Li et al., 2013) Desplan lab	N/A
Drosophila, MARCM FRT42B	Uwe Walldorf	N/A
Drosophila, MARCM FRT40A	(Li et al., 2013) Desplan lab	N/A
Drosophila, erm-FRT40A	(Weng et al., 2010) Gift from Cheng-yu Lee	N/A
Drosophila, opa-FRT82B	(Lee et al., 207) Gift from Deborah Hursh	N/A
Drosophila, ey-FRT80B	(Li et al., 2013) Desplan lab	N/A

Drosophila, ey rescue-FRT80B	(Li et al., 2013) Desplan lab	N/A
Drosophila, D-FRT2A	(Nambu et al., 1996) Gift from John Nambu	N/A
Drosophila, hbn-FRT42B	(Kolb et al., 2021) Walldorf lab	N/A
Drosophila, slp-FRT40A	(Sato et al., 2007) Gift from Andrew Tomlinson	N/A
Drosophila, tll-FRT82B	(Pignoni et al., 1990) Gift from Mitsuhiko Kurusu	N/A
Drosophila, UAS-HthORFCC	FlyORF	F004509
Drosophila, UAS-eyORF3xHA	FlyORF	F000616
Drosophila, UAS-hbnORF2xHA	FlyORF	F000105
Drosophila, UAS- scroORF3xHA	FlyORF	F000666
Drosophila, UAS-DORFCC	FlyORF	F004573
Drosophila, UAS-TllORF3xHA	FlyORF	F000061

Antibodies

Sheep anti-GFP (1:200)	BioRad	4745-1051
Chicken anti-GFP (1:1000)	Millipore Sigma	06-896
Chicken anti-V5 (1:500)	Abcam	ab9113
Rat anti-elav (1:20)	Developmental Studies Hybridoma Bank (DSHB)	7E8A10
Rat anti-shg (1:100)	DSHB	DCAD2
Rat anti-Dpn (1:200)	Abcam	ab195173
Guinea pig anti-Dpn (1:250)	Desplan lab, aminoacid sequence reported in this study	N/A
Mouse anti-Arm (1:10)	DSHB	N27A1
Guinea pig anti-Hth (1:500)	(Ozel, Simon et al., 2020)	N/A

	Desplan lab	
Guinea pig anti-Hth (1:500)	(Ryooo and Mann, 1999) Gift from Richard Mann	N/A
Rabbit anti-Opa (1:500)	(Mendoza-Garcia et al., 2017) Gift from Peter Gergen	N/A
Rat anti-Erm (1:100)	This paper	N/A
Rat anti-Oaz (1:50)	This paper	N/A
Rabbit anti-Ey (1:250)	This paper	N/A
Mouse anti-Ey (1:10)	DSHB	Anti-eyeless
Rat anti-Esg (1:200)	This paper	N/A
Rabbit anti-Hbn (1:1000)	This paper	N/A
Guinea pig anti-Scro (1:100)	This paper	N/A
Guinea pig anti-Slp2 (1:200)	This paper	N/A
Rabbit anti-D (1:500)	modEncode	N/A
Guinea pig anti-D (1:50)	(Ozel, Simon et al., 2020) Desplan lab	N/A
Rabbit anti-BarH1 (1:500)	Gift from Kwangwook Choi	N/A
Rat anti-BarH1 (1:200)	(Perkins et al., 2011) Gift from Tiffany Cook	N/A
Guinea pig anti-Tll (1:500)	This paper	N/A
Guinea pig anti-Tj (1:250)	(Gunawan et al., 2013) Gift from Dorothea Godt	N/A
Guinea pig anti-Otd (1:1000)	This paper	N/A
Rat anti-Toy (1:50)	This paper	N/A
Rabbit anti-Toy (1:500)	(Ozel, Simon et al., 2020) Desplan lab	N/A
Guinea pig anti-TfAP-2 (1:100)	This paper	N/A
Rat anti-Ap (1:100)	This paper	N/A
Rabbit anti-Bsh (1:1800)	(Ozel, Simon et al., 2020)	N/A

	Desplan lab	
Rabbit anti-Dll (1:100)	This paper (Lacin et al., 2014)	N/A
Guinea pig anti-Fd59A (1:400)	Gift from James Skeath	N/A
Guinea pig anti-Kn (1:100)	This paper	N/A
Guinea pig anti-Run (1:500)	This paper	N/A
Rabbit anti-Sox102F (1:400)	This paper	N/A
Mouse anti-Svp (1:20)	DSHB	5B11
Mouse anti-Tup (1:100)	DSHB	40.3A4
Guinea pig anti-Vvl (1:300)	(Ozel, Simon et al., 2020) Desplan lab	N/A
Rat anti-Vvl (1:100)	This paper	N/A
Guinea pig anti-Cha (1:400)	(Konstantinides et al., 2018) Desplan lab	N/A
Guinea pig anti-VGluT (1:1000)	(Mahr and Aberle, 2006) Gift from Hermann Aberle	N/A
Donkey anti-chicken DyLight 405 (1:100)	Jackson ImmunoResearch	703-475-155
Donkey anti-rat DyLight 405 (1:100)	Jackson ImmunoResearch	712-475-153
Donkey anti-mouse DyLight 405 (1:100)	Jackson ImmunoResearch	715-475-151
Donkey anti-rabbit DyLight 405 (1:100)	Jackson ImmunoResearch	711-475-152
Donkey anti-guinea pig DyLight 405 (1:100)	Jackson ImmunoResearch	706-475-148
Donkey anti-sheep Alexa Fluor 488 (1:500)	Jackson ImmunoResearch	713-545-147
Donkey anti-chicken Alexa Fluor	Jackson ImmunoResearch	703-545-155

488 (1:500)		
Donkey anti-rat Alexa Fluor 488 (1:500)	Jackson ImmunoResearch	712-545-153
Donkey anti-mouse Alexa Fluor 488 (1:500)	Jackson ImmunoResearch	715-545-151
Donkey anti-rabbit Alexa Fluor 488 (1:500)	Jackson ImmunoResearch	711-545-152
Donkey anti-guinea pig Alexa Fluor 488 (1:500)	Jackson ImmunoResearch	706-545-148
Donkey anti-rat Cy3 (1:500)	Jackson ImmunoResearch	712-165-153
Donkey anti-mouse Alexa Fluor 555 (1:500)	Invitrogen	A31570
Donkey anti-rabbit Alexa Fluor 555 (1:500)	Invitrogen	A31572
Donkey anti-guinea pig Cy3 (1:400)	Jackson ImmunoResearch	706-165-148
Donkey anti-rat Alexa Fluor 647 (1:200)	Jackson ImmunoResearch	712-605-153
Donkey anti-mouse Alexa Fluor 647 (1:200)	Jackson ImmunoResearch	715-605-151
Donkey anti-rabbit Alexa Fluor 647 (1:200)	Jackson ImmunoResearch	711-605-152
Donkey anti-guinea pig Alexa Fluor 647 (1:200)	Jackson ImmunoResearch	706-605-148