
Supplementary information

**A role for Flower and cell death in
controlling morphogen gradient scaling**

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Supplementary Information

A Role for Flower and Cell Death in controlling Morphogen Gradient Scaling.

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Supplementary Information

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1. STATISTICAL ANALYSES

Statistical analyses were performed with UNStat4Excel (UNAV) software (<https://www.unav.edu/web/departamento-de-bioquimica-y-genetica/otros-servicios/unstat4excel>) and GraphPad Prism 8 software.

Two-sided statistical tests were used for all the analyses. Shapiro-Wilk and D'Agostino-Pearson tests were used to analyse normality of the data distribution. Experimental design did not include blinded analyses. Sample size estimation analyses were not performed.

Figure	Compared Samples	Statistical Test
1b	<i>wt&dally^{gem}</i>	Median test for two independent samples p<0.0001
1b	<i>wt&pent²</i>	Median test for two independent samples p<0.0001
1d	<i>wt</i> (Normalized Positions AP axis)	Kruskal-Wallis test p=0.631
1d	<i>dally^{gem}</i> (Normalized Positions AP axis)	Kruskal-Wallis test p=0.079
1d	<i>pent²</i> (Normalized Positions AP axis)	Kruskal-Wallis test p=0.3464
1h	<i>wt&dally^{gem}/+</i>	Independent Samples t-test p<0.0001
1h	<i>wt&pent²/+</i>	Independent Samples t-test p<0.0001
1h	<i>wt&UASpent</i>	Independent Samples t-test p<0.0001
1h	<i>dally^{gem}/+&dally^{gem}</i>	Mann-Whitney U test for two independent samples p<0.0001
1h	<i>pent²/+&pent²</i>	Independent Samples t-test p<0.0001
1i	<i>wt&dally^{gem}/+</i>	Mann-Whitney U test for two independent samples p=0.0155
1i	<i>wt&pent²/+</i>	Median test for two independent samples p=0.049
1i	<i>wt&dally^{gem}</i>	Median test for two independent samples p<0.0001
1i	<i>wt&pent²</i>	Median test for two independent samples p<0.0001
1i	<i>wt&UASpent</i>	Mann-Whitney U test for two independent samples p<0.0001
2c	96h ACI <i>dally⁺&dally⁸⁰</i>	Median test for two independent samples p<0.0001
2c	72h ACI <i>dally⁺&dally⁸⁰</i>	Median test for two independent samples p<0.0001
2c	48h ACI <i>dally⁺&dally⁸⁰</i>	Mann-Whitney U test for two independent samples p<0.0001
2g	72h ACI <i>UASlacZ&UASGFP::dally</i>	Median test for two independent samples

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		p<0.0001
2g	72h ACI UASlacZ&UASpentagone	Median test for two independent samples p<0.0001
2g	24h ACI UASlacZ&UASGFP::dally	Median test for two independent samples p=0.284
2g	24h ACI UASlacZ&UASpentagone	Welch's t-test for two independent samples p=0.441
3c	wt&fweRNAi	Median test for two independent samples p=0.001
3c	wt&fwe^{DB56}/+	Independent Samples t-test p=0.0364
3c	wt&fwe-STOP Ubi	Independent Samples t-test p=0.267
3c	wt&fwe-STOP LoseA	Independent Samples t-test p=0.083
3c	wt&fwe-STOP LoseB	Independent Samples t-test p=0.139
3c	UASUbi::CFP ; UASGFP&UASUbi::CFP ; UASLoseA::CFP	Independent Samples t-test p<0.0001
3c	UASUbi::CFP ; UASGFP&UASUbi::CFP ; UASLoseB::CFP	Independent Samples t-test p=0.961
3c	UASUbi::CFP ; UASGFP&UASLoseA::CFP ; UASLoseB::CFP	Independent Samples t-test p=0.173
3h	UASlacZ&dally^{gem}	Welch's t-test for two independent samples p<0.0001
3h	UASlacZ&pent²	Median test for two independent samples p=0.001
3h	UASlacZ&fwe-ΔExtra::eGFP	Welch's t-test for two independent samples p=0.001
3h	dally^{gem}&dally^{gem}; fweRNAi	Median test for two independent samples p<0.0001
3h	pent²&pent²; fweRNAi	Median test for two independent samples p<0.0001
E.D. 1b	wt&dally^{gem}/+	Independent Samples t-test p=0.003
E.D. 1b	wt&pent²/+	Mann-Whitney U test for two independent samples p=0.003
E.D. 1b	wt&dally^{gem}	Welch's t-test for two independent samples p<0.0001
E.D. 1b	wt&pent²	Median test for two independent samples p<0.0001
E.D. 1d	wt&dally^{gem}/+	Independent Samples t-test p=0.015
E.D. 1d	wt&pent²/+	Independent Samples t-test p=0.006
E.D. 1d	wt&dally^{gem}	Independent Samples t-test

		p<0.0001
E.D. 1d	wt&pent²	Mann-Whitney U test for two independent samples p<0.0001
E.D. 1f	wt (Normalized Positions AP axis)	Kruskal-Wallis test p=0.8769
E.D. 1f	dally^{gem} (Normalized Positions AP axis)	One-way ANOVA test p=0.1062
E.D. 1f	pent² (Normalized Positions AP axis)	Kruskal-Wallis test p=0.5403
E.D. 1g	wt&dally^{gem}	Independent Samples t-test p=0.1149
E.D. 1k	UASlacZ&UASp35	Independent Samples t-test p=0.1366
E.D. 1k	UASlacZ&UASeiger::mCherry	Independent Samples t-test p=0.0994
E.D. 1k	UASlacZ&UV-Irradiated	Independent Samples t-test p=0.0664
E.D. 1m	UASlacZ&UASp35 (72h ACI)	Mann-Whitney U test for two independent samples p=0.0078
E.D. 1m	UASlacZ&UASp35 (96h ACI)	Independent Samples t-test p=0.0007
E.D. 1n	UASlacZ&UASp35 (72h ACI)	Mann-Whitney U test for two independent samples p=0.0211
E.D. 1n	UASlacZ&UASp35 (96h ACI)	Independent Samples t-test p=0.0002
E.D. 6b	96h ACI pent⁺&pent²	Mann-Whitney U test for two independent samples p=0.411
E.D. 6b	72h ACI pent⁺&pent²	Mann-Whitney U test for two independent samples p=0.702
E.D. 6b	48h ACI pent⁺&pent²	Mann-Whitney U test for two independent samples p=0.615
E.D. 6f	wt&dally80 (Homotypic)	Median test for two independent samples p<0.0001
E.D. 6f	dally80 (Homotypic)&dally80 (Heterotypic)	Welch's t-test for two independent samples p<0.0001
E.D. 6g	Center&Border	Median test for two independent samples p=0.007
E.D. 7b	24h ACI UASlacZ&UASGFP::dally	Mann-Whitney U test for two independent samples p=0.0691
E.D. 7b	24h ACI UASlacZ&UASpentagone	Mann-Whitney U test for two independent samples p=0.374
E.D. 7b	24h ACI UASlacZ&dallyRNAi	Mann-Whitney U test for two independent samples p=0.222
E.D. 7b	24h ACI UASlacZ&pentagoneRNAi	Mann-Whitney U test for two independent samples p=0.0708
E.D. 7d	72h ACI UASlacZ&UASGFP::dally	Mann-Whitney U test for two independent samples

		p=0.0188
E.D. 7d	72h ACI UASlacZ&UASpentagone	Mann-Whitney U test for two independent samples p=0.3121
E.D. 7d	72h ACI UASlacZ&dallyRNAi	Mann-Whitney U test for two independent samples p<0.0001
E.D. 7d	72h ACI UASlacZ&pentagoneRNAi	Mann-Whitney U test for two independent samples p=0.5234
E.D. 7g	UASlacZ&UASpentagone	Independent Samples t-test p<0.0001
E.D. 7g	UASlacZ&UASpentagone 2X	Mann-Whitney U test for two independent samples p<0.0001
E.D. 7g	UASpentagone&UASpentagone 2X	Mann-Whitney U test for two independent samples p=0.0062
E.D. 8b	white&UASUbi::CFP	Welch's t-test for two independent samples p=0.877
E.D. 8b	white&UASLoseA::CFP	Welch's t-test for two independent samples p=0.317
E.D. 8b	white&UASLoseB::CFP	Mann-Whitney U test for two independent samples p=0.104
E.D. 8b	white&UASΔExtra::mCherry	Mann-Whitney U test for two independent samples p=0.172
E.D. 8b	white&fwe-ΔExtra::eGFP/+	Independent Samples t-test p=0.5572
E.D. 8g	UASlacZ&RNAifwe	Independent Samples t-test p=0.1012
E.D. 8i	yellowRNAi&fweRNAi (Total Posterior)	Mann-Whitney U test for two independent samples p=0.9725
E.D. 8i	yellowRNAi&fweRNAi (Length Posterior)	Independent Samples t-test p=0.3917
E.D. 8j	wt&fwe-ΔExtra::eGFP	Mann-Whitney U test for two independent samples p<0.0001
E.D. 8l	fwe-ΔExtra::eGFP& fwe-ΔExtra::eGFP; UASpuckered	Median test for two independent samples p<0.0001
E.D. 8l	fwe-ΔExtra::eGFP& fwe-ΔExtra::eGFP; UASschnurri	Mann-Whitney U test for two independent samples p=0.0841
E.D. 8n	wt&fwe-ΔExtra::eGFP	Mann-Whitney U test for two independent samples p<0.0001
E.D. 8n	fwe-ΔExtra::eGFP& fwe-ΔExtra::eGFP; UASpuckered	Welch's t-test for two independent samples p<0.0001
E.D. 8n	fwe-ΔExtra::eGFP& fwe-ΔExtra::eGFP; UASschnurri	Mann-Whitney U test for two independent samples p=0.7267
E.D. 8p	dally^{gem}& dally^{gem}; UASpent::GFP	Independent Samples t-test p=0.128
E.D. 8p	pent²& pent²; UASGFP::dally	Mann-Whitney U test for two independent samples p=0.066
E.D. 8q	UASlacZ&fwe-ΔExtra::eGFP	Welch's t-test for two independent samples

		p=0.0009
E.D. 8q	<i>UASlacZ&fwe-ΔExtra::eGFP,UASGFP::dally</i>	Median test for two independent samples p<0.0001
E.D. 8q	<i>UASlacZ&UASpentagone ; fweΔExtra::eGFP</i>	Welch's t-test for two independent samples p<0.0001
E.D. 8q	<i>fwe-ΔExtra::eGFP&fwe-ΔExtra::eGFP, UASfwe-ΔExtra::mCherry</i>	Welch's t-test for two independent samples p<0.0001
E.D. 8q	<i>UASlacZ&fwe-ΔExtra::eGFP, UASfwe-Ubi::CFP</i>	Median test for two independent samples p<0.0001
E.D. 8r	<i>UASlacZ&UASp35</i>	Median test for two independent samples p=0.019
E.D. 8r	<i>UASlacZ&UASGFP::dally</i>	Mann-Whitney U test for two independent samples p=0.0193
E.D. 8r	<i>UASlacZ&UASpentagone</i>	Mann-Whitney U test for two independent samples p=0.0377
E.D. 8r	<i>UASlacZ&UASGFP::dally ; UASpentagone::GFP</i>	Mann-Whitney U test for two independent samples p=0.0377
E.D. 8r	<i>UASlacZ&UASGFP::dally ; fweRNAi</i>	Mann-Whitney U test for two independent samples p=0.0122
E.D. 8r	<i>UASlacZ&UASpentagone::GFP ; fweRNAi</i>	Mann-Whitney U test for two independent samples p=0.0003

2. ALLELES

Alleles	Details
<i>w¹¹¹⁸</i>	FlyBase
<i>hs-flp</i>	FlyBase
<i>dally^{gem}</i>	1
<i>pentagone²</i> (Kindly provided by G.Pyrowolakis)	2
<i>dad-GFP</i>	FlyTrap (CB04353) ³
<i>UASpentagone</i> (Kindly provided by G.Pyrowolakis)	2
<i>C765-Gal4</i>	FlyBase
<i>dpp-Gal4</i>	FlyBase
<i>UASlacZ</i>	FlyBase
<i>UASp35</i>	FlyBase
<i>UASdiap1</i>	Bloomington (#6657)
<i>Df(3R)H99</i>	Bloomington (#1576)
<i>UASeiger</i> (Kindly provided by K.Basler)	4
<i>UASeiger::mCherry</i>	Generated for this study (see above)
<i>UASGFP</i>	FlyBase
<i>UASRFP</i>	FlyBase
<i>UASRFP::NLS</i>	FlyBase
<i>hh-Gal4</i>	FlyBase
<i>UASfwe-Ubi::mCherry</i>	Generated for this study (see above)

<i>UASfwe-LoseA::mCherry</i>	Generated for this study (see above)
<i>UASfwe-LoseB::mCherry</i>	Generated for this study (see above)
<i>UASfwe-ΔExtra::mCherry</i>	Generated for this study (see above)
<i>UASfwe-Ubi::CFP</i>	Generated for this study (see above)
<i>UASfwe-LoseA::CFP</i>	Generated for this study (see above)
<i>UASfwe-LoseB::CFP</i>	Generated for this study (see above)
<i>UASfwe-Ubi</i>	5
<i>UASfwe-LoseA</i>	5
<i>UASGFP::dally</i> (Kindly provided by S.Eaton)	6
<i>UASdally</i>	FlyBase ⁷
<i>UASGFP::dallyΔHS</i> (Kindly provided by S.Eaton)	6
<i>UASGFP::dallyΔGPI</i> (Kindly provided by S.Eaton)	6
<i>UASpentagone::GFP</i>	Generated for this study (see above)
<i>UASdpp::mCherry</i> (Kindly provided by T.B. Kornberg)	8
<i>UASHRP::dpp</i>	Generated for this study (see above)
<i>UASpuckered</i>	FlyORF (#F001556)
<i>UASschnurri</i> (EP line) (Kindly provided by J.F. de Celis)	9
<i>20XUASGCaMP5G</i>	Bloomington (#42038)
<i>fwe^{DB56}</i> (Kindly provided by H.Bellen)	10
<i>fwe-YFP-GFP-RFP</i> (Fwe reporter) (Kindly provided by H.Bellen)	10
<i>fweRNAi</i>	VDRC (KK, #104993)
<i>fweRNAi 2</i>	Bloomington (#27323)
<i>dallyRNAi</i>	VDRC (GD, #14136)
<i>pentagoneRNAi</i>	VDRC (KK, #106494)
<i>yellowRNAi</i>	
<i>dally::mCherry</i> (MiMIC)	Generated for this study (see above)
<i>dally::GFP</i> (MiMIC)	Generated for this study (see above)
<i>pentagone::GFP</i> (MiMIC)	Generated for this study (see above)
<i>tkv::mCherry</i> (MiMIC)	Generated for this study (see above)
<i>tkv::GFP</i> (MiMIC)	Generated for this study (see above)
<i>FRT2A,Ubi-GFP::NLS</i> (Kindly provided by G.Morata)	FlyBase
<i>FRT2A,dally⁸⁰</i> (Kindly provided by S.B. Selleck)	11
<i>FRTw[hs]G13, ubi-GFP::NLS</i>	FlyBase
<i>tub>dmyc>Gal4</i>	12
<i>act>cd2>Gal4</i>	FlyBase
<i>act>y>Gal4</i>	FlyBase
<i>fwe-STOP Ubi</i>	Generated for this study (see above)
<i>fwe-STOP LoseA</i>	Generated for this study (see above)
<i>fwe-STOP LoseB</i>	Generated for this study (see above)
<i>fwe-ΔExtra::eGFP</i>	Generated for this study (see above)
<i>fwe-Ubi::eGFP</i>	Generated for this study (see above)
<i>fwe-LoseA::eGFP</i>	Generated for this study (see above)
<i>fwe-LoseB::eGFP</i>	Generated for this study (see above)
<i>TM6B-GFP</i>	FlyBase

3. DETAILED GENOTYPES

Figure	Genotype
1a-b	w^{1118} $w^{1118}; +/+; dally^{gem}/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; +/+$
1c-d	w^{1118} $w^{1118}; +/+; dally^{gem}/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; +/+$
1e	$w^{1118}; +/+; dad-GFP/dad-GFP$ $w^{1118}; +/+; dally^{gem}, dad-GFP/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; dad-GFP/dad-GFP$ $w^{1118}; UASpentagone/+; C765-Gal4, dad-GFP/dad-GFP$
1f,g	$w^{1118}; +/+; dad-GFP/dad-GFP$
1h-j	$w^{1118}; +/+; dad-GFP/dad-GFP$ $w^{1118}; +/+; dally^{gem}, dad-GFP/dad-GFP$ $w^{1118}; pentagone^2/+; dad-GFP/dad-GFP$ $w^{1118}; +/+; dally^{gem}, dad-GFP/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; dad-GFP/dad-GFP$ $w^{1118}; UASpentagone/+; C765-Gal4, dad-GFP/dad-GFP$
1k	$w^{1118}; UASlacZ/+; C765-Gal4/+$ $w^{1118}; UASp35/+; C765-Gal4/+$
2a	$w^{1118}; +/+; C765>Gal4, UASGFP/UASfwe-Ubi::mCherry$ $w^{1118}; +/+; C765>Gal4, UASGFP/UASfwe-LoseA::mCherry$ $w^{1118}; +/+; C765>Gal4, UASGFP/UASfwe-LoseB::mCherry$ $w^{1118}; +/+; C765>Gal4, UASGFP/UASfwe-ΔExtra::mCherry$ $w^{1118}; +/+; C765>Gal4, UASGFP::dally/UASfwe-Ubi::mCherry$ $w^{1118}; +/+; C765>Gal4, UASGFP::dally/UASfwe-LoseA::mCherry$ $w^{1118}; +/+; C765>Gal4, UASGFP::dally/UASfwe-LoseB::mCherry$ $w^{1118}; +/+; C765>Gal4, UASGFP::dally/UASfwe-ΔExtra::mCherry$ $w^{1118}; +/+; C765>Gal4, UASpentagone::GFP/UASfwe-Ubi::mCherry$ $w^{1118}; +/+; C765>Gal4, UASpentagone::GFP/UASfwe-LoseA::mCherry$ $w^{1118}; +/+; C765>Gal4, UASpentagone::GFP/UASfwe-LoseB::mCherry$ $w^{1118}; +/+; C765>Gal4, UASpentagone::GFP/UASfwe-ΔExtra::mCherry$
2b	$w^{1118}; +/+; hh-Gal4/UASfwe-Ubi::mCherry$ $w^{1118}; +/+; hh-Gal4/UASfwe-ΔExtra::mCherry$
2c,d	$yw^{1118}hs-flp/+; +/+; FRT2A, dally^{80}/FRT2A, Ubi-GFP::NLS$
2f,g	$yw^{1118}hs-flp/+; tub>dmyc>Gal4/UASlacZ; UASRFP/+$ $yw^{1118}hs-flp/+; tub>dmyc>Gal4/+; UASGFP::dally/UASRPF$ $yw^{1118}hs-flp/+; tub>dmyc>Gal4/UASpentagone; UASRFP/+$
3a	$w^{1118}; +/+; fwe-STOP Ubi/fwe-STOP Ubi$ $w^{1118}; +/+; fwe-STOP LoseA/fwe-STOP LoseA$ $w^{1118}; +/+; fwe-STOP LoseB/fwe-STOP LoseB$
3b	w^{1118} $w^{1118}; fweRNAi/+; C765-Gal4/+$

	$w^{1118}; +/+; C765-Gal4, UASfwe-Ubi::CFP/UASGFP$ $w^{1118}; +/+; C765-Gal4, UASfwe-Ubi::CFP/UASfwe-LoseA::CFP$
3c	w^{1118} $w^{1118}; fweRNAi/+; C765-Gal4/+$ $w^{1118}; +/+; P\{ry+ neoFRT\}80B, fwe^{DB56}/+$ $w^{1118}; +/+; fwe-STOP Ubi/fwe-STOP Ubi$ $w^{1118}; +/+; fwe-STOP LoseA/fwe-STOP LoseA$ $w^{1118}; +/+; fwe-STOP LoseB/fwe-STOP LoseB$ $w^{1118}; +/+; C765-Gal4, UASfwe-Ubi::CFP/UASGFP$ $w^{1118}; +/+; C765-Gal4, UASfwe-Ubi::CFP/UASfwe-LoseA::CFP$ $w^{1118}; +/+; C765-Gal4, UASfwe-Ubi::CFP/UASfwe-LoseB::CFP$ $w^{1118}; +/+; C765-Gal4, UASfwe-LoseB::CFP/UASfwe-LoseA::CFP$
3d	w^{1118} $w^{1118}; fweRNAi/+; C765-Gal4/+$ $w^{1118}; +/+; fwe-STOP Ubi/fwe-STOP Ubi$ $w^{1118}; +/+; fwe-STOP LoseA/fwe-STOP LoseA$ $w^{1118}; +/+; fwe-STOP LoseB/fwe-STOP LoseB$
3e	w^{1118} $w^{1118}; fweRNAi/+; C765-Gal4/+$
3f,h	$w^{1118}; +/+; dally^{gem}/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; +/+$ $w^{1118}; UASlacZ/+; C765-Gal4/+$ $w^{1118}; fweRNAi/+; C765-Gal4, dally^{gem}/dally^{gem}$ $w^{1118}; pentagone^2, fweRNAi/pentagone^2; C765-Gal4/+$ $w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$
3g	$w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$
4a	w^{1118} $w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$ $w^{1118}; fweRNAi/+; C765-Gal4/+$ $w^{1118}; +/+; dally^{gem}/dally^{gem}$ $w^{1118}; fweRNAi/+; C765-Gal4, dally^{gem}/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; +/+$ $w^{1118}; pentagone^2, fweRNAi/pentagone^2; C765-Gal4/+$ $w^{1118}; fweRNAi/+; C765-Gal4, UASGFP::dally/+$ $w^{1118}; UASlacZ/+; C765-Gal4, UASGFP::dally/+$ $w^{1118}; fweRNAi/+; C765-Gal4, UASpentagone::GFP/+$ $w^{1118}; UASlacZ/+; C765-Gal4, UASpentagone::GFP/+$
4b	(1) w^{1118} (2) $w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$ (3) $w^{1118}; fweRNAi/+; C765-Gal4/+$ (4) $w^{1118}; +/+; dally^{gem}/dally^{gem}$ (5) $w^{1118}; pentagone^2/pentagone^2$ (6) $w^{1118}; fweRNAi/+; C765-Gal4, dally^{gem}/dally^{gem}$ (7) $w^{1118}; pentagone^2, fweRNAi/pentagone^2; C765-Gal4/+$ (8) $w^{1118}; UASlacZ/+; C765-Gal4, UASGFP::dally/+$ (9) $w^{1118}; fweRNAi/+; C765-Gal4, UASGFP::dally/+$ (10) $w^{1118}; UASlacZ/+; C765-Gal4, UASpentagone::GFP/+$

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	(11) $w^{1118}; fweRNAi/+; C765-Gal4, UASpentagone::GFP/+$
4c,d	$w^{1118}; +/+; fwe-Ubi::eGFP/fwe-Ubi::eGFP$ $w^{1118}; +/+; fwe-LoseA::eGFP/fwe-LoseA::eGFP$ $w^{1118}; +/+; fwe-LoseB::eGFP/fwe-LoseB::eGFP$ $w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$
4e	$w^{1118}; +/+; fwe-Ubi::eGFP/fwe-Ubi::eGFP$
E.D. 1a-d	w^{1118} $w^{1118}; +/+; dally^{gem}/+$ $w^{1118}; pentagone^2/+; +/+$ $w^{1118}; +/+; dally^{gem}/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; +/+$
E.D. 1e,f	w^{1118} $w^{1118}; +/+; dally^{gem}/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; +/+$
E.D. 1g	w^{1118} $w^{1118}; +/+; dally^{gem}/dally^{gem}$
E.D. 1h	$yw^{1118}hs-flp/+; act>y>Gal4, UASRFP/UASp35; dally::GFP/+$ $yw^{1118}hs-flp/+; pentagone::GFP/UASp35; act>cd2>Gal4, UASRFP::NLS/+$ $yw^{1118}hs-flp/+; tkv::GFP/UASp35; act>cd2>Gal4, UASRFP::NLS/+$
E.D. 1i	$+/+; Df(3R)H99/+$ $w^{1118}; UASlacZ/+; C765-Gal4/+$ $w^{1118}; +/+; C765-Gal4/UASdiap1$ $w^{1118}; +/+; C765-Gal4/UASeiger::mCherry$ w^{1118} w^{1118}
E.D. 1j,k	$w^{1118}; UASlacZ/+; C765-Gal4, blk-gfp/+$ $w^{1118}; UASp35/+; C765-Gal4, blk-gfp/+$ $w^{1118}; +/+; C765-Gal4, blk-gfp/UASeiger::mCherry$ w^{1118}
E.D. 1l-n	$w^{1118}; UASlacZ/+; C765-Gal4/+$ $w^{1118}; UASp35/+; C765-Gal4/+$
E.D. 2d	w^{1118} $yw^{1118}hs-flp/+; UASeiger/+; act>cd2>Gal4, UASGFP/+$
E.D. 2e	$w^{1118}; +/+; dad-GFP/dad-GFP$ $w^{1118}; +/+; dally^{gem}, dad-GFP/dad-GFP$ $w^{1118}; pentagone^2/+; dad-GFP/dad-GFP$ $w^{1118}; +/+; dally^{gem}, dad-GFP/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; dad-GFP/dad-GFP$ $w^{1118}; UASpentagone/+; C765-Gal4, dad-GFP/dad-GFP$
E.D. 3a	$w^{1118}; +/+; dpp-Gal4, dally::mCherry/UASpentagone::GFP$ $w^{1118}; +/+; dpp-Gal4, dally::mCherry/UASGFP$
E.D. 3b	$w^{1118}; UASdpp::mCherry/+; C765-Gal4, UASGFP/+$ $w^{1118}; UASdpp::mCherry/+; C765-Gal4, UASGFP::dally/+$ $w^{1118}; UASdpp::mCherry/+; C765-Gal4, UASpentagone::GFP/+$
E.D. 3c	$w^{1118}; +/+; dpp-Gal4, dally::mCherry/ UASfwe-Ubi::CFP$ $w^{1118}; +/+; dpp-Gal4, dally::mCherry/ UASGFP$ $w^{1118}; fwe-YFP-GFP-RFP/+; dpp-Gal4, dally::mCherry/+$

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	w^{1118} ; fwe-YFP-GFP-RFP/fwe-YFP-GFP-RFP ; +/+
E.D. 3d	w^{1118} ; +/+ ; dpp-Gal4,dally::mCherry/UASGFP w^{1118} ; +/+ ; dpp-Gal4,dally::mCherry/UASfwe-LoseA::CFP w^{1118} ; +/+ ; dpp-Gal4,dally::mCherry/UASfwe-Ubi::CFP w^{1118} ; +/+ ; dpp-Gal4,dally::mCherry/UASfwe-LoseB::CFP
E.D. 3e	w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-ΔExtra::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dally/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dally/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dally/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dally/UASfwe-ΔExtra::mCherry
E.D. 4a	w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-ΔExtra::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP/UASfwe-ΔExtra::mCherry
E.D. 4b	w^{1118} ; tkv::mCherry/fwe-YFP-GFP-RFP ; +/+ w^{1118} ; tkv::mCherry/+ ; TM6B-GFP/+
E.D. 4c	w^{1118} ; UASHRP::dpp/+ ; C765-Gal4,UASGFP/+ w^{1118} ; UASHRP::dpp/fwe-YFP-GFP-RFP ; C765-Gal4/+
E.D. 4d	w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dally/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dallyΔHS/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dallyΔGPI/UASfwe-Ubi::mCherry
E.D. 4e	w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dally/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dallyΔHS/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dallyΔGPI/UASfwe-LoseA::mCherry
E.D. 5a	w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dally/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dallyΔHS/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASGFP::dallyΔGPI/UASfwe-LoseB::mCherry
E.D. 5b	w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP/UASfwe-Ubi::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP,dally ^{gem} /UASfwe-Ubi::mCherry,dally ^{gem} w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP/UASfwe-LoseA::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP,dally ^{gem} /UASfwe-LoseA::mCherry,dally ^{gem} w^{1118} ; +/+ ; C765>Gal4,UASGFP/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP/UASfwe-LoseB::mCherry w^{1118} ; +/+ ; C765>Gal4,UASpentagone::GFP,dally ^{gem} /UASfwe-LoseB::mCherry,dally ^{gem}

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E.D. 5c	<i>w¹¹¹⁸</i> ; +/+ ; dpp-Gal4,dally::mCherry/UASGFP <i>w¹¹¹⁸</i> ; pentagone ² , fwe-YFP-GFP-RFP/pentagone ² ; dally::mCherry/+ <i>w¹¹¹⁸</i> ; fwe-YFP-GFP-RFP/+ ; dally::mCherry/+
E.D. 5d	<i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4,UASGFP/dally::mCherry <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4,UASpentagone::GFP/dally::mCherry <i>w¹¹¹⁸</i> ; fweRNAi/+ ; C765-Gal4,UASpentagone::GFP/dally::mCherry
E.D. 5e	<i>w¹¹¹⁸</i> ; +/+ ; C765>Gal4,UASGFP/UASfwe-Ubi::mCherry <i>w¹¹¹⁸</i> ; +/+ ; C765>Gal4,UASGFP::dally/UASfwe-Ubi::mCherry <i>w¹¹¹⁸</i> ; +/+ ; C765>Gal4,UASpentagone::GFP/UASfwe-Ubi::mCherry
E.D. 6a	<i>w¹¹¹⁸</i> ; +/+ ; hh-Gal4,UASfwe-Ubi::mCherry/GFP::dally <i>w¹¹¹⁸</i> ; pentagone::GFP/+ ; hh-Gal4,UASfwe-Ubi::mCherry/+
E.D. 6b,c	<i>yw¹¹¹⁸</i> hs-flp/+ ; FRTw[hs]G13,pentagone ² /FRTw[hs]G13, ubi-GFP::NLS ; +/+
E.D. 6d	<i>w¹¹¹⁸</i> <i>yw¹¹¹⁸</i> hs-flp/+ ; +/+ ; FRT2A,dally ⁸⁰ / FRT2A,dally ⁸⁰
E.D. 6e	<i>yw¹¹¹⁸</i> hs-flp/+ ; +/+ ; FRT2A,dally ⁸⁰ /FRT2A,Ubi-GFP::NLS
E.D. 6f	<i>w¹¹¹⁸</i> <i>yw¹¹¹⁸</i> hs-flp/+ ; +/+ ; FRT2A,dally ⁸⁰ / FRT2A,dally ⁸⁰ <i>yw¹¹¹⁸</i> hs-flp/+ ; +/+ ; FRT2A,dally ⁸⁰ /FRT2A,Ubi-GFP::NLS
E.D. 6g	<i>yw¹¹¹⁸</i> hs-flp/+ ; +/+ ; FRT2A,dally ⁸⁰ /FRT2A,Ubi-GFP::NLS
E.D. 6h	<i>yw¹¹¹⁸</i> hs-flp/+ ; act>y>Gal4,UASRFP/UASeiger ; dally::GFP/+ <i>yw¹¹¹⁸</i> hs-flp/+ ; pentagone::GFP/UASeiger ; act>cd2>Gal4,UASRFP/+
E.D. 6i	<i>yw¹¹¹⁸</i> hs-flp/+ ; tub>dmyc>Gal4,UASRFP/+ ; dally::GFP /+ <i>yw¹¹¹⁸</i> hs-flp/+ ; tub>dmyc>Gal4,UASRFP/pentagone::GFP ; + /+
E.D. 7a-d	<i>yw¹¹¹⁸</i> hs-flp/+ ; UASlacZ/+ ; act>cd2>Gal4,UASGFP/+ <i>yw¹¹¹⁸</i> hs-flp/+ ; +/+ ; act>cd2>Gal4,UASGFP/UASGFP::dally <i>yw¹¹¹⁸</i> hs-flp/+ ; UASpentagone/+ ; act>cd2>Gal4,UASGFP/+ <i>yw¹¹¹⁸</i> hs-flp/+ ; +/+ ; act>cd2>Gal4,UASGFP/dallyRNAi <i>yw¹¹¹⁸</i> hs-flp/+ ; pentagoneRNAi/+ ; act>cd2>Gal4,UASGFP
E.D. 7e-g	<i>yw¹¹¹⁸</i> hs-flp ; UASlacZ/+ ; act>cd2>Gal4,UASGFP/+ <i>yw¹¹¹⁸</i> hs-flp ; UASpentagone/+ ; act>cd2>Gal4,UASGFP/+ <i>yw¹¹¹⁸</i> hs-flp ; UASpentagone/UASpentagone ; act>cd2>Gal4,UASGFP/+
E.D. 8a,b	<i>w¹¹¹⁸</i> <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4/UASfwe-Ubi::CFP <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4/UASfwe-LoseA::CFP <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4/UASfwe-LoseB::CFP <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4/UASfwe-ΔExtra::mCherry <i>w¹¹¹⁸</i> ; +/+ ; fwe-ΔExtra::eGFP/+ <i>w¹¹¹⁸</i> ; +/+ ; P{ry+ neoFRT}80B, fwe ^{DB56} /+ <i>w¹¹¹⁸</i> ; +/+ ; fwe-STOP Ubi/fwe-STOP Ubi <i>w¹¹¹⁸</i> ; +/+ ; fwe-STOP LoseA/fwe-STOP LoseA <i>w¹¹¹⁸</i> ; +/+ ; fwe-STOP LoseB/fwe-STOP LoseB <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4,UASfwe-Ubi::CFP/UASfwe-LoseB::CFP <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4,UASfwe-LoseB::CFP/UASfwe-LoseA::CFP
E.D. 8c,d	<i>w¹¹¹⁸</i> ; fwe-YFP-GFP-RFP/yellowRNAi; C765-Gal4/+ <i>w¹¹¹⁸</i> ; fwe-YFP-GFP-RFP/+ ; C765-Gal4/ fweRNAi 2 <i>w¹¹¹⁸</i> ; fwe-YFP-GFP-RFP/fweRNAi ; C765-Gal4/+

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E.D. 8e	w^{1118} $w^{1118}; +/+; fweRNAi\ 2/C765-Gal4$ $w^{1118}; +/+; P\{ry+ neoFRT\}80B, fwe^{DB56}/+$
E.D. 8f,g	$w^{1118}; UASlacZ/+; C765-Gal4, blk-gfp/+$ $w^{1118}; fweRNAi/+; C765-Gal4, blk-gfp/+$
E.D. 8h,i	$w^{1118}; yellowRNAi/+; hh-Gal4, 20XUASGCaMP5G/+$ $w^{1118}; fweRNAi/+; hh-Gal4, 20XUASGCaMP5G/+$
E.D. 8j,k	w^{1118} $w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$
E.D. 8l	$w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$ $w^{1118}; +/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP, UASpuckered$ $w^{1118}; UASschnurri/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$
E.D. 8n,o	w^{1118} $w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$ $w^{1118}; +/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP, UASpuckered$ $w^{1118}; UASschnurri/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$
E.D. 8p	$w^{1118}; UASlacZ/+; C765-Gal4/+$ $w^{1118}; +/+; dally^{gem}/dally^{gem}$ $w^{1118}; +/+; C765-Gal4, UASpentagone::GFP, dally^{gem}/dally^{gem}$ $w^{1118}; pentagone^2/pentagone^2; +/+$ $w^{1118}; pentagone^2/pentagone^2; C765-Gal4, UASGFP::dally/+$
E.D. 8q	$w^{1118}; UASlacZ/+; C765-Gal4/+$ $w^{1118}; +/+; fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$ $w^{1118}; +/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP, UASGFP::dally$ $w^{1118}; UASpentagone/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$ $w^{1118}; +/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP, UASfwe-Ubi::CFP$ $w^{1118}; +/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP, UASfwe-\Delta Extra::mCherry$
E.D. 8r	$w^{1118}; UASlacZ/+; C765-Gal4/+$ $w^{1118}; UASp35/+; C765-Gal4/+$ $w^{1118}; +/+; C765-Gal4/UASGFP::dally$ $w^{1118}; UASpentagone/+; C765-Gal4/+$ $w^{1118}; +/+; C765-Gal4, UASpentagone::GFP/UASGFP::dally$ $w^{1118}; fweRNAi/+; C765-Gal4, UASGFP::dally/+$ $w^{1118}; fweRNAi/+; C765-Gal4, UASpentagone::GFP/+$
E.D. 8s	$w^{1118}; +/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP, UASGFP::dally$ $^{1118}; UASpentagone/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP$ $w^{1118}; +/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP, UASfwe-Ubi::CFP$ $w^{1118}; +/+; C765-Gal4, fwe-\Delta Extra::eGFP/fwe-\Delta Extra::eGFP, UASfwe-\Delta Extra::mCherry$ $w^{1118}; UASp35/+; C765-Gal4/+$ $w^{1118}; +/+; C765-Gal4/UASGFP::dally$ $w^{1118}; UASpentagone/+; C765-Gal4/+$ $w^{1118}; +/+; C765-Gal4, UASpentagone::GFP/UASGFP::dally$ $w^{1118}; fweRNAi/+; C765-Gal4, UASGFP::dally/+$ $w^{1118}; fweRNAi/+; C765-Gal4, UASpentagone::GFP/+$
E.D. 9a	w^{1118} $w^{1118}; +/+; dally^{gem}/dally^{gem}$

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	<i>w¹¹¹⁸</i> ; <i>pentagone²</i> / <i>pentagone²</i> ; +/+ <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4,UAS<i>pentagone::GFP</i>,<i>dally^{gem}</i>/<i>dally^{gem}</i> <i>w¹¹¹⁸</i> ; <i>pentagone²</i>/<i>pentagone²</i> ; C765-Gal4,UAS<i>GFP::dally</i>/+
E.D. 9b	<i>w¹¹¹⁸</i> ; UAS<i>lacZ</i>/+ ; C765-Gal4/+ <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4/UAS<i>GFP::dally</i> <i>w¹¹¹⁸</i> ; UAS<i>pentagone</i>/+ ; C765-Gal4/+ <i>w¹¹¹⁸</i> ; UAS<i>lacZ</i>/+ ; C765-Gal4,UAS<i>GFP::dally</i>/+ <i>w¹¹¹⁸</i> ; UAS<i>lacZ</i>/+ ; C765-Gal4,UAS<i>pentagone::GFP</i>/+ <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4,UAS<i>pentagone::GFP</i>/UAS<i>GFP::dally</i>
E.D. 9c	<i>w¹¹¹⁸</i> ; UAS<i>lacZ</i>/+ ; C765-Gal4/+ <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4/UAS<i>GFP::dally</i> <i>w¹¹¹⁸</i> ; UAS<i>pentagone</i>/+ ; C765-Gal4/+ <i>w¹¹¹⁸</i> ; +/+ ; C765-Gal4,UAS<i>pentagone::GFP</i>/UAS<i>GFP::dally</i>
E.D. 9d	<i>w¹¹¹⁸</i> ; +/+ ; <i>dally^{gem}</i>/<i>dally^{gem}</i> <i>w¹¹¹⁸</i> ; UAS<i>Sp35</i>/+ ; C765-Gal4, <i>dally^{gem}</i>/<i>dally^{gem}</i> <i>w¹¹¹⁸</i> ; <i>pentagone²</i> / <i>pentagone²</i> ; +/+ <i>w¹¹¹⁸</i> ; UAS<i>Sp35</i>,<i>pentagone²</i> / <i>pentagone²</i> ; C765-Gal4/+ <i>w¹¹¹⁸</i> ; UAS<i>lacZ</i>/+ ; C765-Gal4,UAS<i>GFP::dally</i>/+ <i>w¹¹¹⁸</i> ; UAS<i>Sp35</i>/+ ; C765-Gal4,UAS<i>GFP::dally</i>/+ <i>w¹¹¹⁸</i> ; UAS<i>lacZ</i>/+ ; C765-Gal4,UAS<i>pentagone::GFP</i>/+ <i>w¹¹¹⁸</i> ; UAS<i>Sp35</i>/+ ; C765-Gal4,UAS<i>pentagone::GFP</i>/+
E.D. 9e	<i>yw¹¹¹⁸hs-flp</i>/+ ; <i>fweRNAi</i>/act>y>Gal4,UAS<i>RFP</i> ; <i>dally::GFP</i>/+ <i>yw¹¹¹⁸hs-flp</i>/+ ; +/act>y>Gal4,UAS<i>RFP</i> ; <i>dally::GFP</i>/UAS<i>fwe-LoseA</i> <i>yw¹¹¹⁸hs-flp</i>/+ ; <i>pentagone::GFP</i>/fwe<i>RNAi</i> ; act>cd2>Gal4,UAS<i>RFP::NLS</i>/+ <i>yw¹¹¹⁸hs-flp</i>/+ ; <i>pentagone::GFP</i>/+ ; act>cd2>Gal4,UAS<i>RFP::NLS</i>/UAS<i>fwe-Ubi</i> <i>yw¹¹¹⁸hs-flp</i>/+ ; <i>tkv::GFP</i>/fwe<i>RNAi</i> ; act>cd2>Gal4,UAS<i>RFP::NLS</i>/+ <i>yw¹¹¹⁸hs-flp</i>/+ ; <i>tkv::GFP</i>/+ ; act>cd2>Gal4,UAS<i>RFP::NLS</i>/UAS<i>fwe-Ubi</i>
E.D. 10a-c	<i>w¹¹¹⁸</i> ; +/+ ; <i>fwe-Ubi::eGFP</i>/fwe-Ubi::eGFP <i>w¹¹¹⁸</i> ; +/+ ; <i>fwe-LoseA::eGFP</i>/fwe-LoseA::eGFP <i>w¹¹¹⁸</i> ; +/+ ; <i>fwe-LoseB::eGFP</i>/fwe-LoseB::eGFP <i>w¹¹¹⁸</i> ; +/+ ; <i>fwe-ΔExtra::eGFP</i>/fwe-ΔExtra::eGFP
E.D. 10d	<i>yw¹¹¹⁸hs-flp</i>/UAS<i>dally</i> ; +/act>y>Gal4,UAS<i>RFP</i> ; <i>fwe-Ubi::eGFP</i>/+ <i>yw¹¹¹⁸hs-flp</i>/+ ; UAS<i>pentagone</i>/act>y>Gal4,UAS<i>RFP</i> ; <i>fwe-Ubi::eGFP</i>/+
E.D. 10e	<i>w¹¹¹⁸</i> ; +/+ ; <i>dally^{gem}</i>,<i>fwe-Ubi::eGFP</i>/<i>dally^{gem}</i>,<i>fwe-Ubi::eGFP</i> <i>w¹¹¹⁸</i> ; <i>pentagone²</i>/<i>pentagone²</i> ; <i>fwe-Ubi::eGFP</i>/fwe-Ubi::eGFP
E.D. 10f	<i>w¹¹¹⁸</i> ; +/+ ; <i>fwe-LoseA::eGFP</i>/fwe-LoseA::eGFP <i>w¹¹¹⁸</i> ; +/+ ; <i>fwe-LoseB::eGFP</i>/fwe-LoseB::eGFP <i>w¹¹¹⁸</i> ; +/+ ; <i>fwe-ΔExtra::eGFP</i>/fwe-ΔExtra::eGFP <i>w¹¹¹⁸</i> ; +/+ ; <i>fwe-Ubi::eGFP</i>/fwe-Ubi::eGFP <i>w¹¹¹⁸</i> ; +/+ ; <i>dally^{gem}</i>,<i>fwe-Ubi::eGFP</i>/<i>dally^{gem}</i>,<i>fwe-Ubi::eGFP</i> <i>w¹¹¹⁸</i> ; <i>pentagone²</i>/<i>pentagone²</i> ; <i>fwe-Ubi::eGFP</i>/fwe-Ubi::eGFP <i>yw¹¹¹⁸hs-flp</i>/+ ; +/+ ; FRT2A,Ubi-GFP::NLS/FRT2A,Ubi-GFP::NLS

4. PARAMETERS AND SAMPLE SIZES

Figure	Genotype	ϕ (-95% CI, +95% CI)	R^2	n (discs)
1f	<i>w¹¹¹⁸; +/+; dad-GFP/dad-GFP</i>	-	0.97	1
1g	<i>w¹¹¹⁸; +/+; dad-GFP/dad-GFP</i>	0.337 (0.2549, 0.4196)	0.731	28
1j	<i>w¹¹¹⁸; +/+; dad-GFP/dad-GFP</i> <i>w¹¹¹⁸; +/+; dally^{gem}, dad-GFP/dad-GFP</i> <i>w¹¹¹⁸; pentagone²/+; dad-GFP/dad-GFP</i> <i>w¹¹¹⁸; +/+; dally^{gem}, dad-GFP/dally^{gem}</i> <i>yw¹¹¹⁸; pentagone²/pentagone²; dad-GFP/dad-GFP</i> <i>w¹¹¹⁸; UASpentagone/+; C765-Gal4, dad-GFP/dad-GFP</i>	-	0.97	169
1k	<i>w¹¹¹⁸; UASlacZ/+; C765-Gal4/+</i>	0.23 (0.1884, 0.2914)	0.724	36
1k	<i>w¹¹¹⁸; UASp35/+; C765-Gal4/+</i>	0.076 (0.017, 0.13)	0.23	26
3d	<i>w¹¹¹⁸</i>	0.211 (0.151, 0.272)	0.612	34
3d	<i>w¹¹¹⁸; fweRNAi/+; C765-Gal4/+</i>	0.006 (-0.134, 0.146)	0.0002	36
3d	<i>w¹¹¹⁸; +/+; fwe-STOP Ubi/fwe-STOP Ubi</i>	-0.014 (0.073, 0.0452)	0.0049	49
3d	<i>w¹¹¹⁸; +/+; fwe-STOP LoseA/fwe-STOP LoseA</i>	0.10 (0.0169, 0.198)	0.085	62
3d	<i>w¹¹¹⁸; +/+; fwe-STOP LoseB/fwe-STOP LoseB</i>	0.051 (-0.012, 0.115)	0.033	77
4a	<i>w¹¹¹⁸</i>	0.211 (0.151, 0.272)	0.612	34
4a	<i>w¹¹¹⁸; +/+; fwe-ΔExtra::eGFP/fwe-ΔExtra::eGFP</i>	0.15 (0.040, 0.269)	0.19	39
4a	<i>w¹¹¹⁸; fweRNAi/+; C765-Gal4/+</i>	0.006 (-0.134, 0.146)	0.0002	36
4a	<i>w¹¹¹⁸; +/+; dally^{gem}/dally^{gem}</i>	-0.013 (-0.054, 0.027)	0.013	33
4a	<i>w¹¹¹⁸; fweRNAi/+; C765-Gal4, dally^{gem}/dally^{gem}</i>	0.07 (-0.019, 0.16)	0.084	30
4a	<i>w¹¹¹⁸; pentagone²/pentagone²; +/+</i>	0.0051 (-0.034, 0.044)	0.0017	42
4a	<i>w¹¹¹⁸; pentagone², fweRNAi/pentagone²; C765-Gal4/+</i>	-0.071 (-0.14, 0.0028)	0.17	21
4a	<i>w¹¹¹⁸; fweRNAi/+; C765-Gal4, UASGFP::dally/+</i>	0.6007 (0.44, 0.761)	0.669	31
4a	<i>w¹¹¹⁸; UASlacZ/+; C765-Gal4, UASGFP::dally/+</i>	0.3352 (0.234, 0.435)	0.567	37
4a	<i>w¹¹¹⁸; fweRNAi/+; C765-Gal4, UASpentagone::GFP/+</i>	0.1218 (0.060, 0.183)	0.29	41
4a	<i>w¹¹¹⁸; UASlacZ/+; C765-Gal4, UASpentagone::GFP/+</i>	0.266 (0.1819, 0.3509)	0.58	32
4e	<i>w¹¹¹⁸; +/+; fwe-Ubi::eGFP/fwe-Ubi::eGFP</i>	-	0.6151	38
E.D. 1i	<i>w¹¹¹⁸; UASlacZ/+; C765-Gal4/+</i>	0.23 (0.1884, 0.2914)	0.724	36
E.D. 1i	<i>+/+; Df(3R)H99/+</i>	0.115 (0.0393, 0.1908)	0.2908	26
E.D. 1i	<i>w¹¹¹⁸; +/+; C765-Gal4/UASdiap1</i>	0.079 (0.0375, 0.1222)	0.3235	33
E.D. 1i	<i>w¹¹¹⁸; +/+; C765-Gal4/UASeiger::mCherry</i>	0.312 (0.2122, 0.412)	0.5348	37
E.D. 1i	<i>w¹¹¹⁸ UV-Irradiated</i>	0.417 (0.2509, 0.5832)	0.5166	27
E.D. 1i	<i>w¹¹¹⁸ Non UV-Irradiated</i>	0.229 (0.1295, 0.3295)	0.5202	23
E.D. 2e	<i>w¹¹¹⁸; +/+; dad-GFP/dad-GFP</i>	0.337 (0.2549, 0.4196)	0.731	28
E.D. 2e	<i>w¹¹¹⁸; +/+; dally^{gem}, dad-GFP/dad-GFP</i>	0.1405 (0.189, 0.091)	0.595	26
E.D. 2e	<i>w¹¹¹⁸; pentagone²/+; dad-GFP/dad-GFP</i>	0.191 (0.24, 0.133)	0.527	42
E.D. 2e	<i>w¹¹¹⁸; +/+; dally^{gem}, dad-GFP/dally^{gem}</i>	0.097 (-0.053, 0.141)	0.367	37
E.D. 2e	<i>w¹¹¹⁸; pentagone²/pentagone²; dad-GFP/dad-GFP</i>	0.088 (0.0187, 0.159)	0.316	18
E.D. 2e	<i>w¹¹¹⁸; UASpentagone/+; C765-Gal4, dad-GFP/dad-GFP</i>	0.449 (0.373, 0.5243)	0.909	18
E.D. 7f	<i>yw¹¹¹⁸hs-flp; UASlacZ/+; act>cd2>Gal4, UASGFP/+</i>	-	0.977	10
E.D. 7f	<i>yw¹¹¹⁸hs-flp; UASpent/+; act>cd2>Gal4, UASGFP/+</i>	-	0.983	11
E.D. 7f	<i>yw¹¹¹⁸hs-flp; UASpent/UASpent; act>cd2>Gal4, UASGFP/+</i>	-	0.942	10

Death-Mediated Scaling

E.D. 8e	<i>w¹¹¹⁸</i>	0.211 (0.151, 0.272)	0.612	34
E.D. 8e	<i>w¹¹¹⁸ ; +/+ ; fweRNAi 2/C765-Gal4</i>	0.0105(-0.0981,0.119)	0.0007	53
E.D. 8e	<i>w¹¹¹⁸ ; +/+ ; P{ry+ neoFRT}80B, fwe^{DB56}/+</i>	0.104 (-0.0287, 0.236)	0.121	32
E.D. 9a	<i>w¹¹¹⁸</i>	0.211 (0.151, 0.272)	0.612	34
E.D. 9a	<i>w¹¹¹⁸ ; +/+ ; dally^{gem}/dally^{gem}</i>	-0.013 (-0.054, 0.027)	0.013	33
E.D. 9a	<i>w¹¹¹⁸ ; pentagone²/ pentagone² ; +/+</i>	0.0051 (-0.034, 0.044)	0.0017	42
E.D. 9a	<i>w¹¹¹⁸ ; +/+ ; C765-Gal4,UASpentagone::GFP,dally^{gem}/dally^{gem}</i>	0.0335 (-0.064, 0.131)	0.012	39
E.D. 9a	<i>w¹¹¹⁸ ; pentagone²/; pentagone² ; C765-Gal4,UASGFP::dally /+</i>	0.0013 (-0.073, 0.076)	0.0003	38
E.D. 9b	<i>w¹¹¹⁸ ; UASlacZ/+ ; C765-Gal4/+</i>	0.23 (0.1884, 0.2914)	0.724	36
E.D. 9b	<i>w¹¹¹⁸ ; +/+ ; C765-Gal4/UASGFP::dally</i>	0.364 (0.2507, 0.4782)	0.6154	29
E.D. 9b	<i>w¹¹¹⁸ ; UASpentagone/+ ; C765-Gal4/+</i>	0.34 (0.2407, 0.44)	0.674	26
E.D. 9b	<i>w¹¹¹⁸ ; UASlacZ/+ ; C765-Gal4,UASGFP::dally/+</i>	0.3352 (0.234, 0.435)	0.567	37
E.D. 9b	<i>w¹¹¹⁸ ; UASlacZ/+ ; C765-Gal4,UASpentagone::GFP/+</i>	0.27 (0.1819, 0.3509)	0.58	32
E.D. 9b	<i>w¹¹¹⁸ ; +/+ ; C765-Gal4, UASpentagone::GFP/UASGFP::dally</i>	0.423 (0.298, 0.549)	0.678	25
E.D. 9d	<i>w¹¹¹⁸ ; UASp35/+ ; C765-Gal4, dally^{gem}/dally^{gem}</i>	-0.004 (-0.07, 0.0621)	0.001	18
E.D. 9d	<i>w¹¹¹⁸ ; +/+ ; dally^{gem}/dally^{gem}</i>	-0.013 (-0.054, 0.027)	0.013	33
E.D. 9d	<i>w¹¹¹⁸ ; UASp35,pentagone²/ pentagone² ; C765-Gal4/</i>	0.044 (-0.0027, 0.091)	0.1172	30
E.D. 9d	<i>w¹¹¹⁸ ; pentagone²/ pentagone²; +/+</i>	0.0051 (-0.034, 0.044)	0.0017	42
E.D. 9d	<i>w¹¹¹⁸ ; UASp35/+ ; C765-Gal4,UASGFP::dally/+</i>	0.365 (0.2792, 0.4522)	0.7281	30
E.D. 9d	<i>w¹¹¹⁸ ; UASlacZ/+ ; C765-Gal4,UASGFP::dally/+</i>	0.3352 (0.234, 0.435)	0.567	37
E.D. 9d	<i>w¹¹¹⁸ ; UASp35/+ ; C765-Gal4,UASpentagone::GFP/+</i>	0.289 (0.1984, 0.3803)	0.5515	36
E.D. 9d	<i>w¹¹¹⁸ ; UASlacZ/+ ; C765-Gal4,UASpentagone::GFP/+</i>	0.27 (0.1819, 0.3509)	0.58	32
E.D. 10f	<i>w¹¹¹⁸ ; +/+ ; fwe-LoseA::eGFP/fwe-LoseA::eGFP</i>	-	0.5061	38
E.D. 10f	<i>w¹¹¹⁸ ; +/+ ; fwe-LoseB::eGFP/fwe-LoseB::eGFP</i>	-	0.1589	35
E.D. 10f	<i>w¹¹¹⁸ ; +/+ ; fwe-ΔExtra::eGFP/fwe-ΔExtra::eGFP</i>	-	0.411	39
E.D. 10f	<i>w¹¹¹⁸ ; +/+ ; fwe-Ubi::eGFP/fwe-Ubi::eGFP</i>	-	0.6151	38
E.D. 10f	<i>w¹¹¹⁸ ; +/+ ; dally^{gem},fwe-Ubi::eGFP/dally^{gem},fwe-Ubi::eGFP</i>	-	0.6818	32
E.D. 10f	<i>w¹¹¹⁸ ; pentagone²/pentagone² ; fwe-Ubi::eGFP/fwe-Ubi::eGFP</i>	-	0.5332	34
E.D. 10f	<i>yw¹¹¹⁸hs-flp/+ ; +/+ ; FRT2A,Ubi-GFP::NLS/FRT2A,Ubi-GFP::NLS</i>	-	0.0236	40

5. Supplementary References

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