

Table S1

Genetic enhancement/suppression of the *in fy* polarity phenotype.

Gal4	UAS-in	UAS-fy	other	# wings	Mean polarity Score Ventral [^] (sd)	P*=	Mean polarity Score Dorsal [#] (sd)	P*=
<i>ptc -1</i> ^{&}	<i>HA-in-1</i>	<i>fy-GFP -1</i>		68	2.98 (0.12)	NR	2.06 (0.29)	NR
<i>ptc -2</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>		7	3 (0)	0.95	2.57 (0.53)	<0.001
<i>ptc -1, Tub-1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>		15	3 (0)	0.94	2.67 (0.49)	<0.001
<i>ptc -1</i>	<i>HA-in-2</i>	<i>fy-GFP -1</i>		39	3 (0)	0.90	2.87 (0.34)	<0.001
<i>ptc -1</i>	<i>HA-in-2</i>	<i>fy-GFP -2</i>		22	3 (0)	0.92	3 (0)	<0.001
<i>ptc -1</i>	<i>HA-in-2</i>	<i>fy-GFP -1, fy-flag-ollas-1</i>		20	3(0)	0.92	2.70 (0.47)	<0.001
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -2</i>		20	2 (0.45)	<0.001	1.58 (0.51)	0.003
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1, fy-flag-ollas</i>		33	2.52 (0.66)	0.002	1.66 (0.55)	0.003
<i>ptc -1</i>	<i>HA-in-1</i>			10	1 (0)	<0.001	1.0 (0)	<0.001
<i>ptc -1</i>		<i>fy-GFP -1</i>		15	1 (0)	<0.001	1.0 (0)	<0.001
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>pk-1/+</i>	20	3 (0)	0.92	2.95 (0.22)	<0.001
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>pk^{pk-sple13}/+</i>	13	3 (0)	0.94	3 (0)	<0.001
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>Vang^{A5}/+</i>	15	2.93 (0.26)	0.76	2.93 (0.26)	<0.001
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>fz^{P21}/+</i>	28	2.93 (0.26)	0.67	2.18 (0.40)	0.35
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>fz^{K21}/+</i>	19	2.75 (0.44)	0.11	2 (0)	0.70
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>stan³⁻⁷¹/+</i>	23	2.91 (0.29)	0.61	2.05 (0.21)	0.93
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>dsh¹/+</i>	16	2.88 (0.34)	0.50	2 (0)	0.662
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>fy¹/+</i>	36	2.43 (0.50)	<0.001	1.86 (0.55)	0.123
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>frtz³⁵²¹/+</i>	44	2.43 (0.50)	<0.001	1.74 (0.44)	0.009
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>in¹/+</i>	26	2.92 (0.60)	0.49	2 (0.47)	0.69
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>arm-fz-GFP/+</i>	13	3 (0)	0.94	1.84 (0.38)	0.25
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>Cas-dsh-GFP/+</i>	23	2.91 (0.29)	0.61	1.46 (0.59)	<0.001
<i>ptc -1</i>	<i>HA-in-1</i>	<i>fy-GFP -1</i>	<i>Ubi-myc-frtz-GFP</i>	39	2.98 (0.72)	0.93	2.44 (0.53)	0.066

&=number of copies, * Mann-Whitney rank sum test, ^ 1=0-30°, 2=30°-90°, 3>90°, # 1=0-30°, 2=30°-60°, 3>60°