

Table S1 Statistical analysis: sample sizes, tests and p values

Examination				
Multiple comparison before pair-wise comparison			TEST	p VALUE
TEST GENOTYPE	vs.	CONTROL GENOTYPE	TEST	p VALUE
Number of abdominal PCNAGFP+ PROS+ EBONY+ IG - Injury				Figure 4C
<i>PCNAGFP</i>	Stabbed (n=8)	vs. not stabbed (n=9)	Mann-Whitney U-test	p=0.000
% hemisegments with >1 EBONY+ vIG in abdomen - Injury				Figure 4F
<i>yw</i>	Stabbed (n=336)	vs. not stabbed (n=320)	Fisher's exact test	p=0.047
Number of abdominal REPO+ glia - Injury				Figure 4G
<i>yw</i> injured, <i>yw</i> uninjured, <i>repoGAL4/UASrbf280</i> injured, <i>repoGAL4/UASrbf280</i> uninjured			Levene's test	p=0.371
			Oneway ANOVA	p=0.000
<i>yw</i>	Stabbed (n=22)	vs. not stabbed (n=20)	Student t-test	p=0.004
<i>repoGAL4/UASrbf280</i>	Stabbed (n=13)	vs. not stabbed (n=15)	Student t-test	p=0.110
Number of abdominal REPO+ glia -Injury				Figure 5A
<i>yw</i>	Stabbed (n=22)	vs. not stabbed (n=20)	Student t-test	p=0.004
<i>repoGAL4/UASrbf280</i>	Stabbed (n=15)	vs. not stabbed (n=13)	Student t-test	p=0.110
<i>repoGAL4/UASnumb</i>	Stabbed (n=14)	vs. not stabbed (n=20)	Student t-test	p=0.598
<i>pros<sup>voila1</sup>/pros<sup>S044116</sup></i>	Stabbed (n=10)	vs. not stabbed (n=12)	Student t-test	p=0.311
<i>Df(1)Exel7463/pBacwgn<sup>e00637</sup></i>	Stabbed (n=12)	vs. not stabbed (n=9)	Student t-test	p=0.005
<i>dorsal<sup>1</sup>/dorsal<sup>fl</sup></i>	Stabbed (n=22)	vs. not stabbed (n=18)	Student t-test	p=0.064
Number of abdominal REPO+ glia -Wandering stage				Figure 6D
<i>yw, pros<sup>voila1</sup>/pros<sup>S044116</sup>, repoGAL4/UASnumb, repoGAL4/UAS UASNotch<sup>ICD</sup></i>			Levene's test	p=0.000
<i>repoGAL4/UASNotch<sup>ICD</sup> UAScyce, pros<sup>S044116</sup> repoGAL4/pros<sup>S044116</sup> UAS UASNotch<sup>ICD</sup></i>			Kruskal-Wallis test	p=0.000
<i>repoGAL4/ UASNotch<sup>ICD</sup> (n=6)</i>	vs.	<i>yw (n=22)</i>	Mann-Whitney U-test	p=0.000
<i>repoGAL4/ UASNotch<sup>ICD</sup> UAScyce (n=5)</i>	vs.	<i>repoGAL4/ UASNotch<sup>ICD</sup> (n=6)</i>	Mann-Whitney U-test	p=0.006
<i>pros<sup>S044116</sup> repoGAL4/pros<sup>S044116</sup> UASNotch<sup>ICD</sup> (n=7)</i>	vs.	<i>repoGAL4/ UASNotch<sup>ICD</sup> (n=6)</i>	Mann-Whitney U-test	p=0.032
Number of abdominal EBONY+ IG - Wandering stage				Figure 6E
<i>repoGAL4/ UASNotch<sup>ICD</sup> (n=4)</i>	vs.	<i>yw (n=6)</i>	Mann-Whitney U-test	p=0.003
Number of mCD8GFP+ IG - Wandering stage				Figure 6F
<i>UASmCD8GFP/+;almGAL4/UASNotch<sup>ICD</sup> (n=6)</i>	vs.	<i>UASmCD8GFP/+;almGAL4/+ (n=7)</i>	Student t-test	p=0.003
Number of abdominal REPO+ glia -wandering stage				Figure 6G
<i>tubGAL80ts/UASpros;repoGAL4/+ (n=6)</i>	vs.	<i>tubGAL80ts/+;repoGAL4/+ (n=6)</i>	Student t-test	p=0.000
Number of abdominal REPO+ glia - Wandering stage				Figure 8C
<i>yw, pros<sup>voila1</sup>/pros<sup>S044116</sup>, eiger1, dorsal<sup>1</sup>/dorsal<sup>fl</sup>, UASdTraf2/+;repoGAL4/+;UASdTraf2/+;dorsal<sup>1</sup>/dorsal<sup>fl</sup>;repoGAL4/+; UASdTraf2/+; pros<sup>S044116</sup> repoGAL4/ pros<sup>S044116</sup></i>			Levene's test	p=0.687
			Oneway ANOVA	p=0.000
<i>UASdTraf2/+;repoGAL4/+ (n=6)</i>	vs.	<i>yw (n=22)</i>	Student t-test	p=0.000
<i>UASdTraf2/+;pros<sup>S044116</sup> repoGAL4/pros<sup>S044116</sup> (n=6)</i>	vs.	<i>UASdTraf2/+;repoGAL4/+ (n=6)</i>	Student t-test	p=0.000
<i>UASdTraf2/+; dorsal<sup>1</sup>/dorsal<sup>fl</sup>;repoGAL4/+ (n=6)</i>	vs.	<i>UASdTraf2/+;repoGAL4/+ (n=6)</i>	Student t-test	p=0.003
Area occupied by glial wound (measured on EBONY) -Injury				Figure 9C
<i>egr<sup>1</sup>;pros<sup>voila1</sup>/pros<sup>S044116</sup> (n=10)</i>	vs.	<i>yw (n=22)</i>	Student t-test	p=0.019
Area occupied by glial wound (measured on GS2) -Injury				Figure 9D
<i>yw, repoGAL4/UASNotch<sup>ICD</sup>, pros<sup>S044116</sup> repoGAL4/pros<sup>S044116</sup> UAS UASNotch<sup>ICD</sup></i>			Levene's test	p=0.001
			Kruskal-Wallis test	P=0.001
<i>repoGAL4/UASNotch<sup>ICD</sup> (n=12)</i>	vs.	<i>yw (n=12)</i>	Mann-Whitney U-test	p=0.000
<i>pros<sup>S044116</sup> repoGAL4/pros<sup>S044116</sup> UASNotch<sup>ICD</sup> (n=7)</i>	vs.	<i>repoGAL4/UASNotch<sup>ICD</sup> (n=12)</i>	Mann-Whitney U-test	p=0.017
Number of abdominal ACTIVE CASPASE 3+ cells -Injury				Figure 9E
<i>yw</i> injured, <i>yw</i> uninjured <i>repoGAL4/UASNotch<sup>ICD</sup> stabbed, repoGAL4/UASNotch<sup>ICD</sup> not stabbed,</i>			Levene's test	p=0.332
			Oneway ANOVA	p=0.000
<i>yw</i>	Stabbed (n=8)	vs. not stabbed (n=8)	Student t-test	p=0.000
<i>repoGAL4/UASNotch<sup>ICD</sup></i>	stabbed (n=8)	vs. <i>yw</i> stabbed (n=7)	Student t-test	p=0.002

<b>% of abdominal BrdU+ Ebony+ over Ebony+ -Injury</b>					MS
<i>yw</i>	Stabbed (n=10)	vs.	not stabbed (n=9)	Mann-Whitney U-test	p=0.034
<b>Number of abdominal histoneYFP+ IG -Injury</b>					MS
<i>alrmGAL4/UAShistoneYFP</i> ; <i>pros</i> <sup>S044116</sup> / <i>pros</i> <sup>S044116</sup>	Stabbed (68.8, n=13)	vs.	not stabbed (81.8, n=8)	Student t-test	p=0.007
<b>Number of intense DORSAL+ EBONY+ IG -Injury</b>					MS
<i>yw</i>	Stabbed (50%, n=10)	vs.	not stabbed (0%, n=9)	Fisher's Exact test	p=0.033
<i>egr<sup>1</sup></i>	Stabbed (0%, n=10)	vs.	<i>yw</i> Stabbed (50%, n=10)	Fisher's Exact test	p=0.033
<b>Number of DAP+ EBONY+ IG in a segment</b>					MS
<i>tubGAL80ts/+; repoGAL4/+</i>	(n=10)	vs.	<i>tubGAL80ts/+; repoGAL4/+</i>	(n=6)	Mann-Whitney U-test p=0.016
<b>Number of abdominal EBONY+ IG - Wandering stage</b>					MS
<i>UASdTraf2/+; repoGAL4/+</i>	(87.1, n=7)	vs.	<i>yw</i>	(84.1, n=12)	Student t-test p=0.001
<b>Number of abdominal EBONY+ IG - Wandering stage</b>					Text S1
<i>tubGAL80ts/+; repoGAL4/UAScycE</i>	(89.9, n=7)	vs.	<i>yw</i>	(81.3, n=4)	Student t-test P=0.006
<b>Number of abdominal EBONY+ BrdU+ IG</b>					Supplementary Figure 3D
<i>tubGAL80ts/+; repoGAL4/UAScycE</i>	(n=13)	vs.	<i>yw</i>	(n=12)	Student t-test p=0.001
<b>Number of abdominal REPO+ glia -96h AEL</b>					Supplementary Figure 10A
<i>pros</i> <sup>voila1</sup> / <i>pros</i> <sup>S04411</sup>	(n=6)	vs.	<i>yw</i>	(n=7)	Student t-test p=0.000
<b>Number of abdominal REPO+ glia -Wandering stage</b>					Supplementary Figure 10A
<i>pros</i> <sup>voila1</sup> / <i>pros</i> <sup>S044116</sup>	(n=22)	vs.	<i>yw</i>	(n=22)	Student t-test p=0.542
<b>Number of abdominal REPO+ glia - Culture</b>					Supplementary Figure 10B
<i>yw, pros</i> <sup>voila1</sup> / <i>pros</i> <sup>S044116</sup> , <i>pros</i> <sup>S044116</sup> / <i>repoGAL4 /pros</i> <sup>S044116</sup> / <i>UASrbf280</i>					Levene's test Kruskal-Wallis test p=0.004 p=0.000
<i>pros</i> <sup>voila1</sup> / <i>pros</i> <sup>S044116</sup>	(n=12)	vs.	<i>yw</i>	(n=20)	Mann-Whitney U-test p=0.000
<i>pros</i> <sup>S044116</sup> / <i>repoGAL4/pros</i> <sup>S044116</sup> / <i>UASrbf280</i>	(n=13)	vs.	<i>pros</i> <sup>voila1</sup> / <i>pros</i> <sup>S044116</sup>	(n=12)	Mann-Whitney U-test p=0.000
<b>Number of PCNAGFP+ enwrapping glia in a segment</b>					Supplementary Figure 10E
<i>PCNAGFP/+; hsGAL4/UASNotch<sup>ICD</sup></i>	heatshocked (n=8)	vs.	not heatshocked	(n=11)	Student t-test p=0.000
<b>Number of abdominal EBONY + BrdU IG</b>					Supplementary Figure 10G
<i>hsGAL4/UASNotch<sup>ICD</sup></i>	(n=10)	vs.	<i>hsGAL4/+</i>	(n=7)	Student t-test p=0.014
<b>Number of abdominal EBONY+ IG - Wandering stage</b>					Supplementary Figure 11F
<i>yw, pros</i> <sup>voila1</sup> / <i>pros</i> <sup>S044116</sup> , <i>repoGAL4/UASnumb, repoGAL4/UASNotch<sup>ICD</sup></i>					Levene's test Kruskal-Wallis test p=0.000 p=0.000
<i>pros</i> <sup>voila1</sup> / <i>pros</i> <sup>S044116</sup>	(n=4)	vs.	<i>yw</i>	(n=12)	Mann-Whitney U-test p=0.003
<i>repoGAL4/ UASNotch<sup>ICD</sup></i>	(n=4)	vs.	<i>yw</i>	(n=6)	Mann-Whitney U-test p=0.003
<b>Number of abdominal EBONY + BrdU IG</b>					Supplementary Figure 15B
<i>UASdTraf2/+; hsGAL4/+</i>	(n=9)	vs.	<i>hsGAL4/+</i>	(n=7)	Student t-test p=0.000

White writing on black background indicates experiment; black writing on grey background indicates tests applied to multiple genotypes within one experiment; black on white background is for pair-wise comparisons. Test genotypes are on the left, compared to the control genotypes on the right. For multiple comparisons, One Way Anova and Kruskal-Wallis tests were used; for pair-wise comparisons, Fisher's exact, Mann-Whitney-U and Student-t tests were applied. For sample sizes, see figures.