

Genotypes

- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-HM-pico/+* (Fig.1,2,5)
- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}/+*
- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}, UAS-HM-pico/+*
- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}, UAS-hLpd/+*
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- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-HM-pico/puc-lacZ* (Fig.3)
- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}/puc-lacZ*
- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}, UAS-HM-pico/puc-lacZ*
- w, eyFLP/UAS-DN-Bsk; A>y>GAL4, UAS-GFP/+; UAS-HM-pico/puc-lacZ*
- w, eyFLP/UAS-DN-Bsk; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}/puc-lacZ*
- w, eyFLP/UAS-DN-Bsk; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}, UAS-HM-pico/puc-lacZ*
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- w, eyFLP; +/+; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4,UAS-GFP* (Fig.4)
- w, eyFLP; eiger³/eiger³; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4,UAS-GFP*
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- w, eyFLP; +/+; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4, UAS-GFP* (Fig.6)
- w, eyFLP; +/repo-GAL80; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4, UAS-GFP*
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- w, eyFLP; A>y>GAL4, UAS-GFP/+* (Fig.7)
- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}, UAS-HM-pico/+*
- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}, UAS-HM-pico^{RA-PH}*
- w, eyFLP; UAS-ena/+; A>CD2>GAL4,UAS-GFP/+*
- w, eyFLP; UAS-ena/+; UAS-Ras^{V12}/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; UAS-ena/+; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; UAS-chic/+; A>CD2>GAL4,UAS-GFP/+*
- w, eyFLP; UAS-chic/+; UAS-Ras^{V12}/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; UAS-chic/+; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; UAS-scar/+; A>CD2>GAL4,UAS-GFP/+*
- w, eyFLP; UAS-scar/+; UAS-Ras^{V12}/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; UAS-mal-d/+; A>CD2>GAL4,UAS-GFP/+*
- w, eyFLP; UAS-mal-d/+; UAS-Ras^{V12}/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; UAS-mal-d/+; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}, UAS-HM-pico/UAS-ma^{DN}*
- w, eyFLP; ena²¹⁰/+; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; chic⁰⁵²⁰⁵/+; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4,UAS-GFP*
- w, eyFLP; UAS-Scar^{JR}/+; UAS-Ras^{V12}, UAS-HM-pico/A>CD2>GAL4,UAS-GFP*

We consider $A>y>GAL4$ and $A>CD2>GAL4$ elements used in this study to be comparable because: i) neither were able to promote invasion of Ras^{V12} -expressing cells into the ventral nerve cord; ii) both elements were capable of driving invasion of Ras^{V12} *Pico*-expressing cells, to an equivalent extent, see Fig.7.

w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}/+ (Fig.S1)
w, eyFLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}/UAS-CycD, UAS-Cdk4

w, ey(3.5)FLP; A>y>GAL4, UAS-GFP/+; (Fig.S2)
w, ey(3.5)FLP; A>y>GAL4, UAS-GFP/+; UAS-HM-pico/+
w, ey(3.5)FLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}/+
w, ey(3.5)FLP; A>y>GAL4, UAS-GFP/+; UAS-Ras^{V12}, UAS-HM-pico/+

UAS-mCD8-GFP/+; repo-GAL4/+ (Fig.S3)
UAS-mCD8-GFP/+, repo-GAL4/ UAS-Ras^{V12}
UAS-mCD8-GFP/+; repo-GAL4/ UAS-HM-pico
UAS-mCD8-GFP/+; repo-GAL4/ UAS-Ras^{V12}, UAS-HM-pico
UAS-mCD8-GFP/+; repo-GAL4/ UAS-Ras^{V12}, UAS-picolR (line 4)