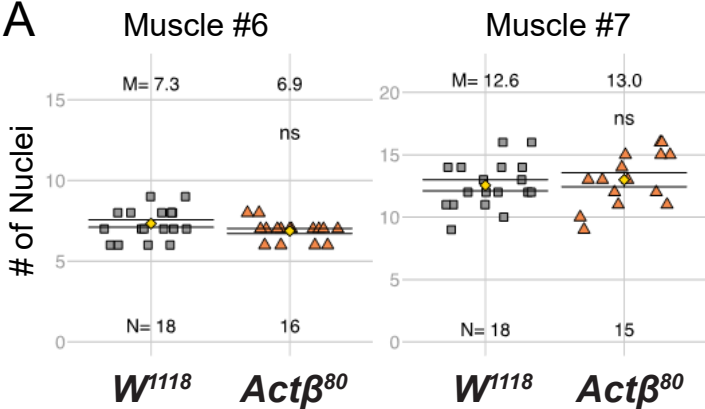


Fig S1

A



B

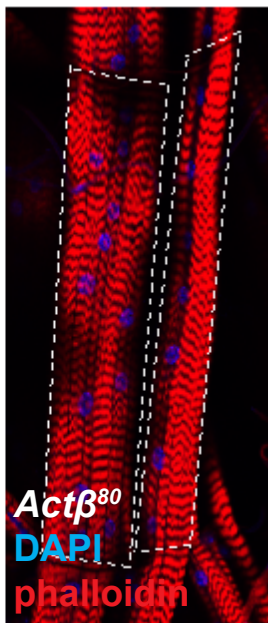
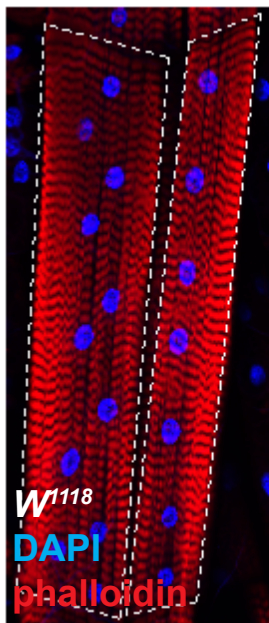
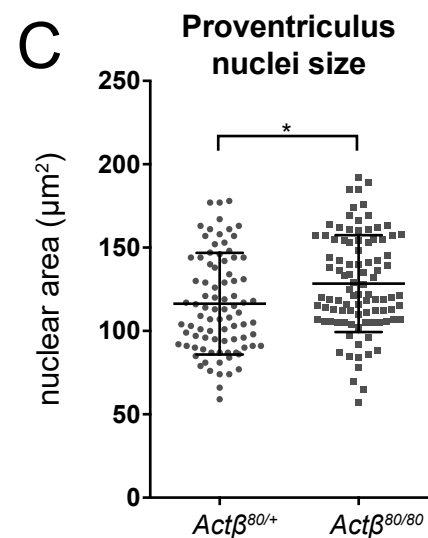
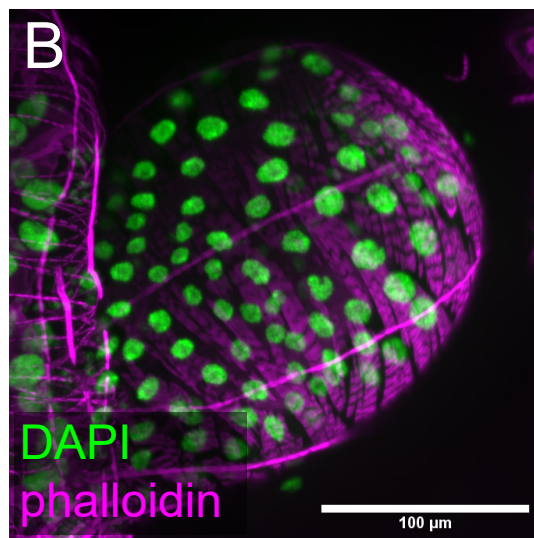
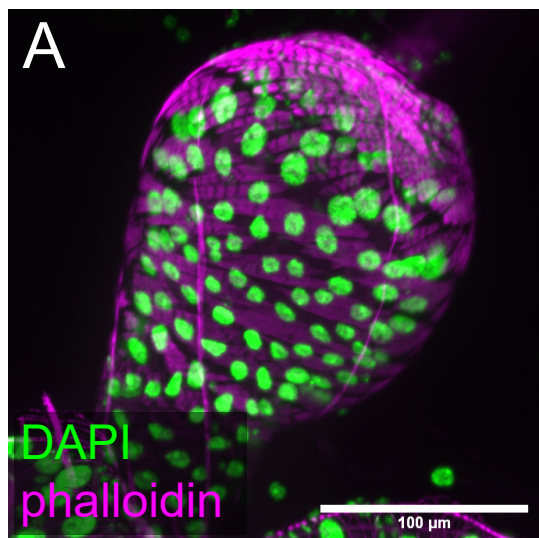


Fig S2

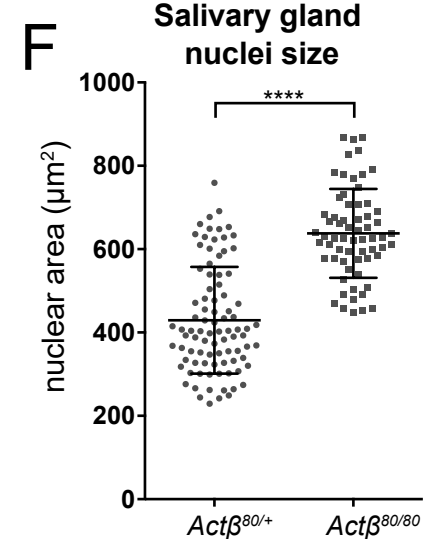
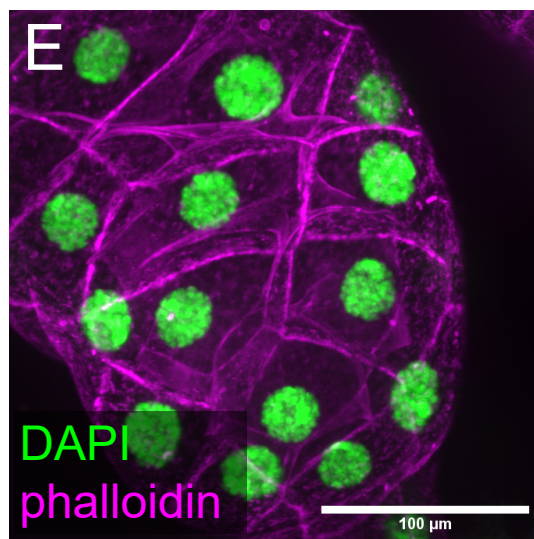
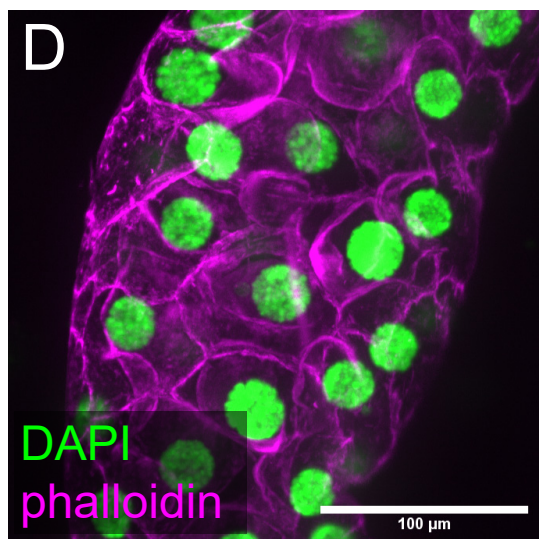
Proventriculus

*Actβ*<sup>80/+</sup>

*Actβ*<sup>80/80</sup>



Salivary Gland



PG cells

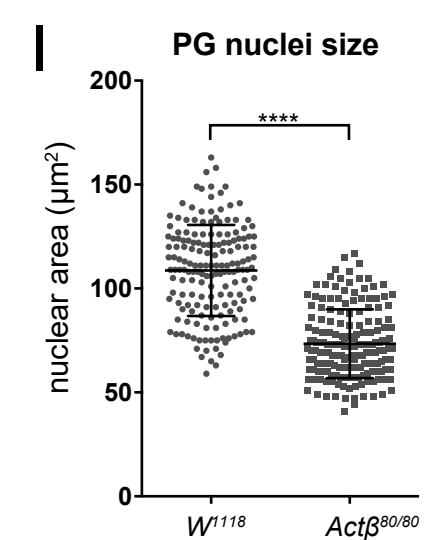
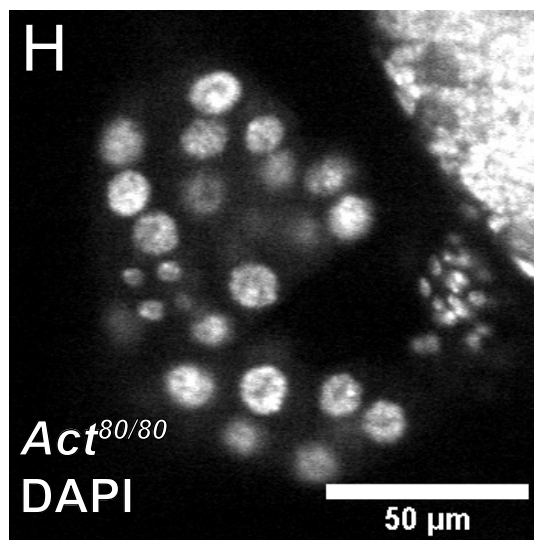
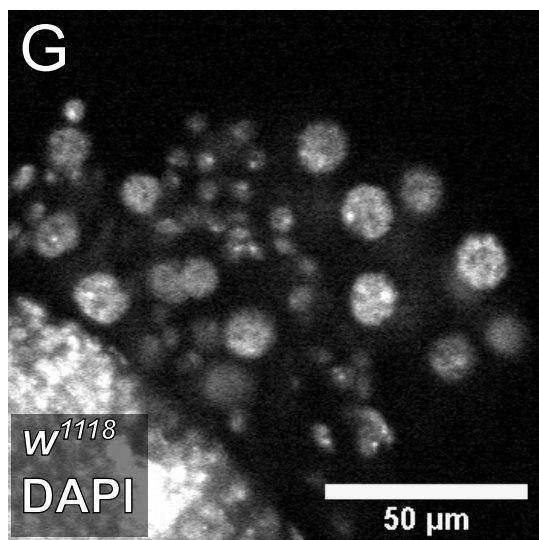


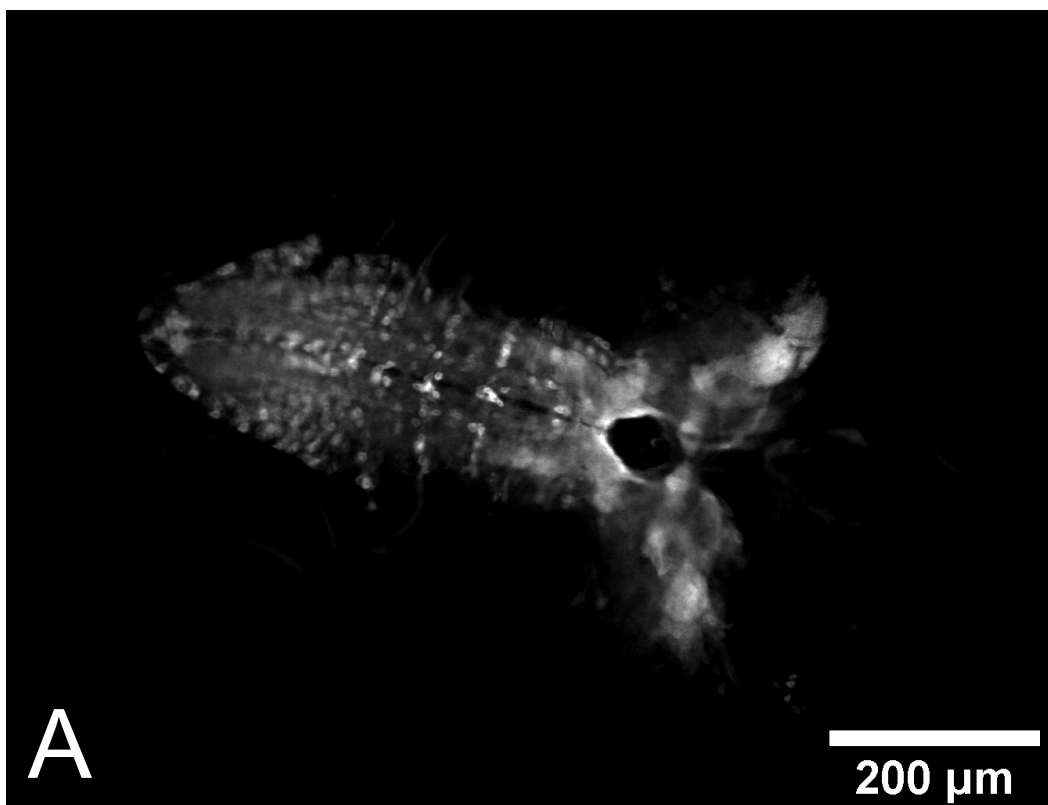
Fig S3

Act $\beta$ (27A3)>GFP

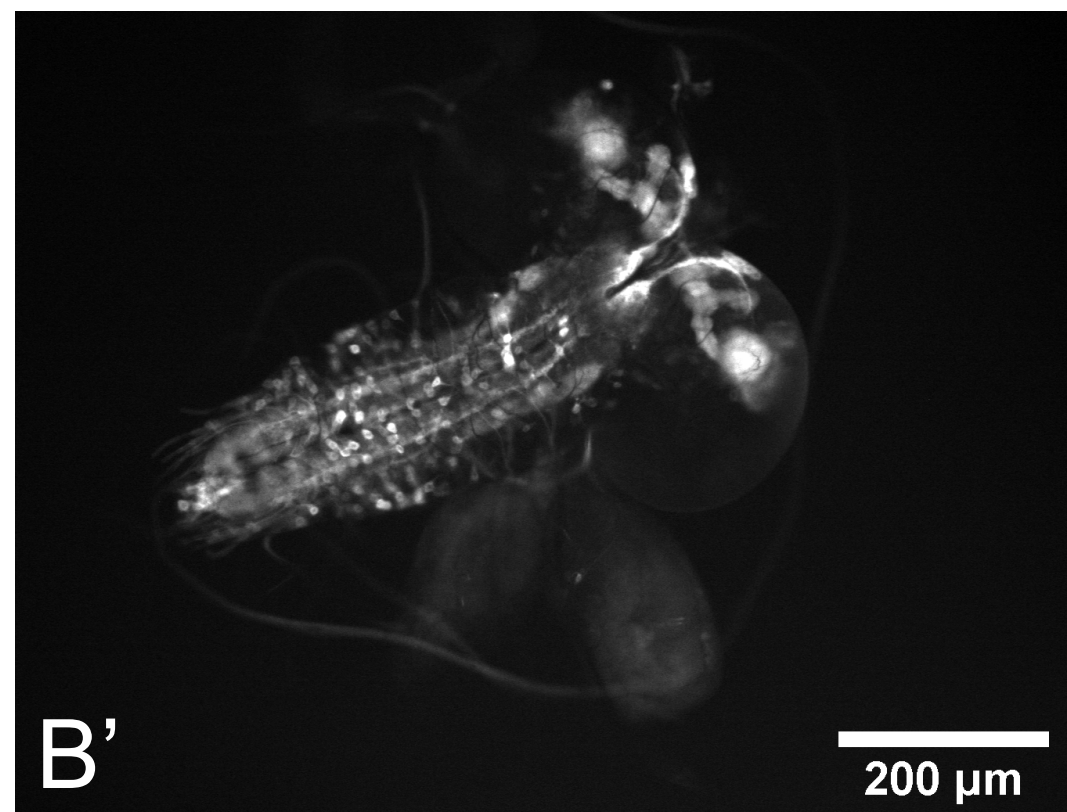
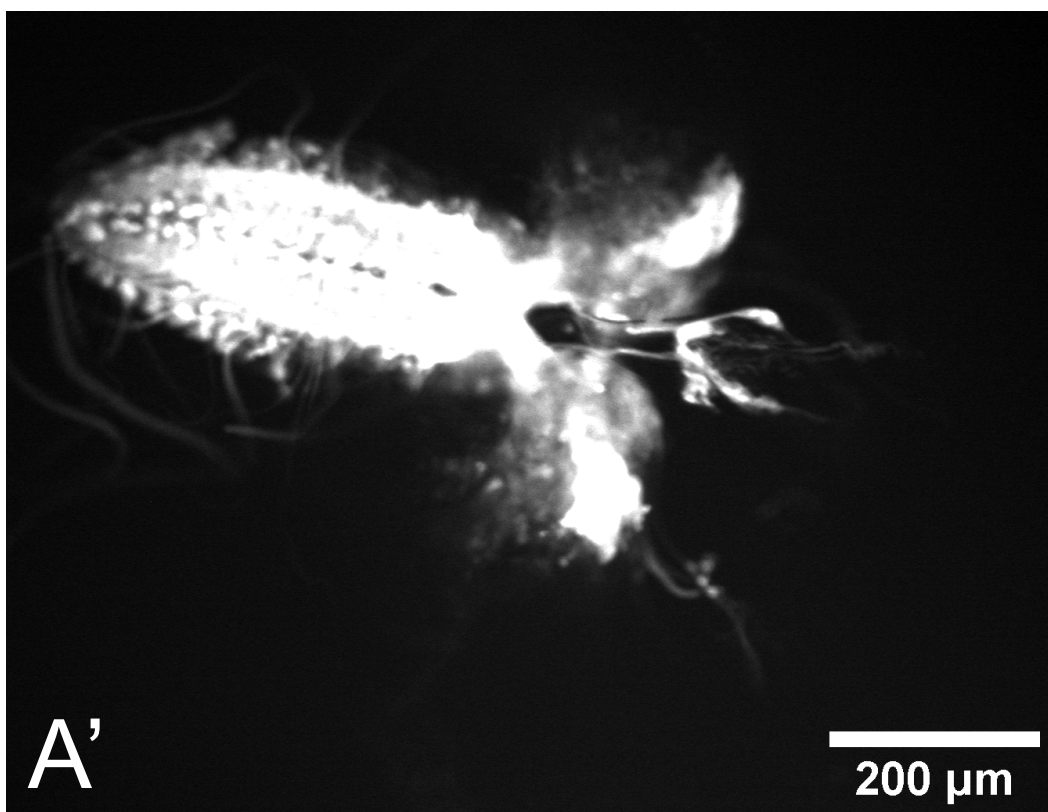
Act $\beta$ (2A2)>GFP

exposure time

0.37s



2.38s





**Fig S4**

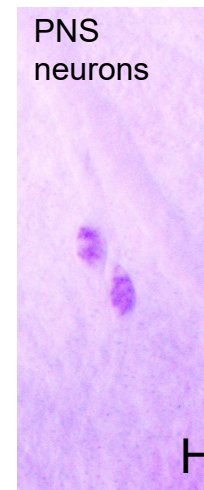
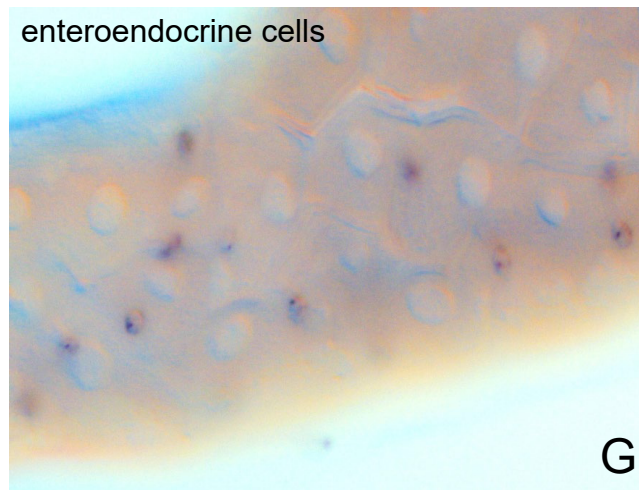
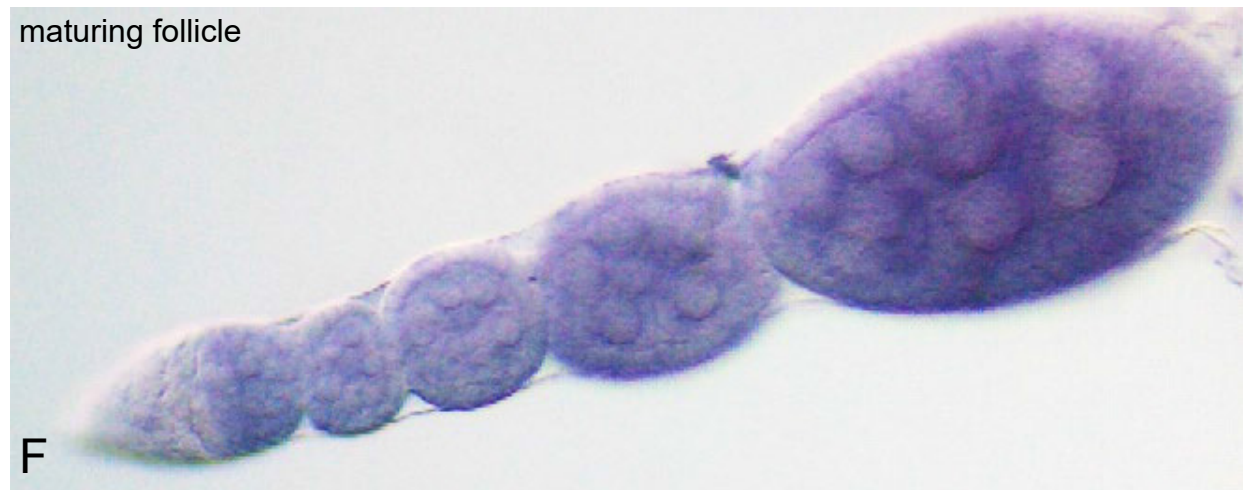
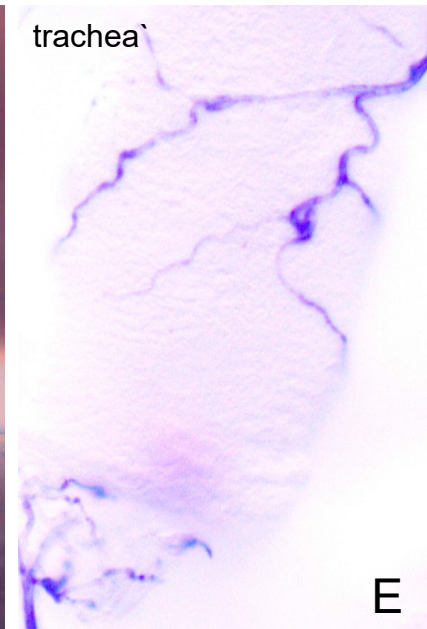
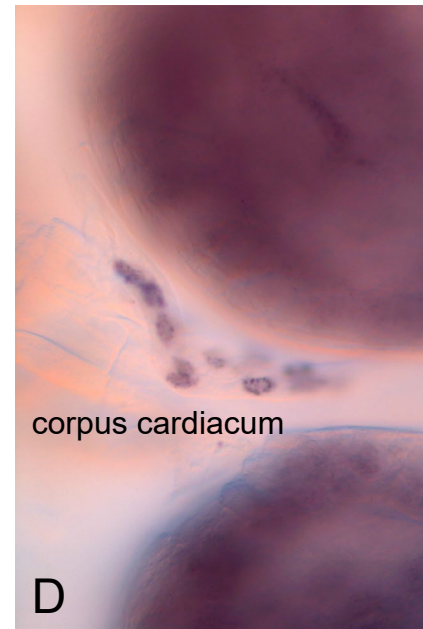
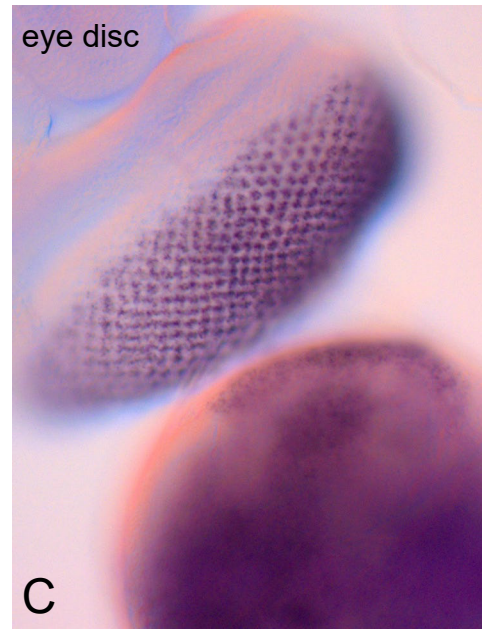
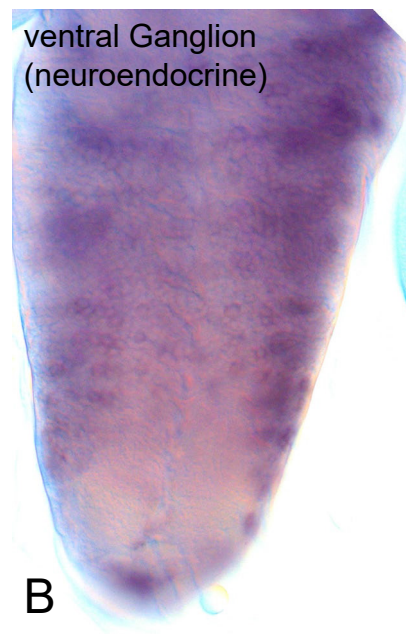
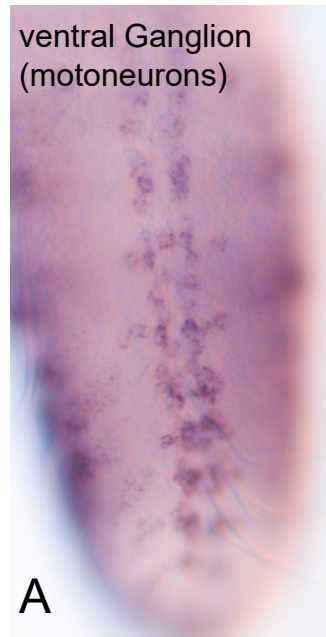


Fig S5

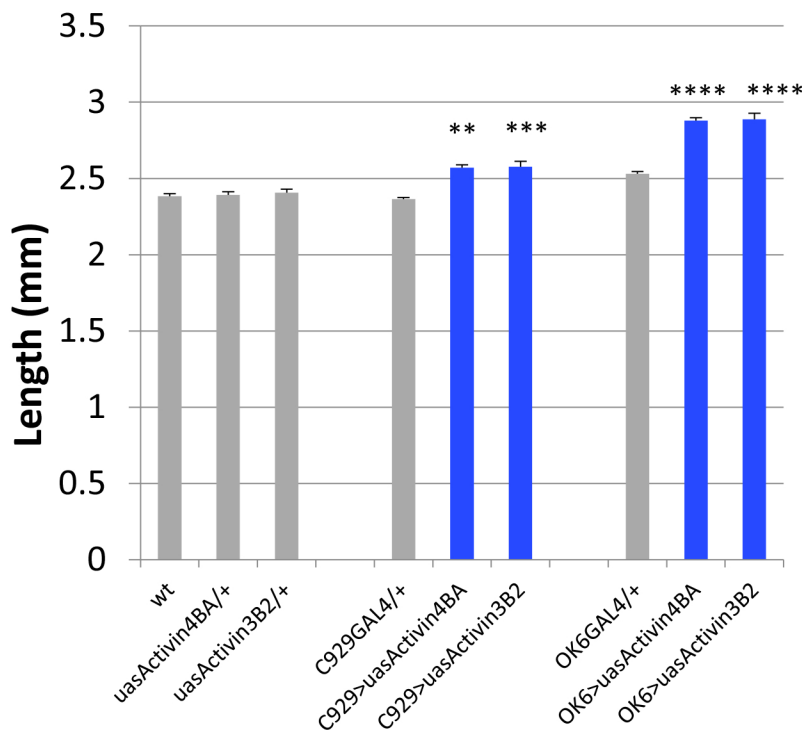




Fig S6



*UAS-Babo<sup>CA</sup>*

*UAS-Act $\beta$*

*UAS-Babo<sup>CA</sup>*

*UAS-Act $\beta$*

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*Cg-Gal4*  
(fat-body)

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*MHC-Gal4*  
(muscle)

Fig S7

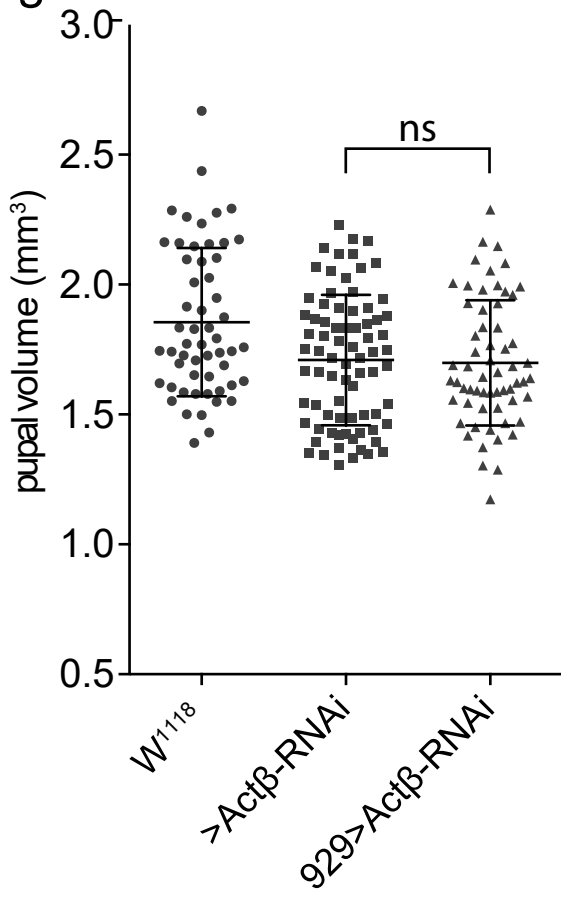


Fig S8

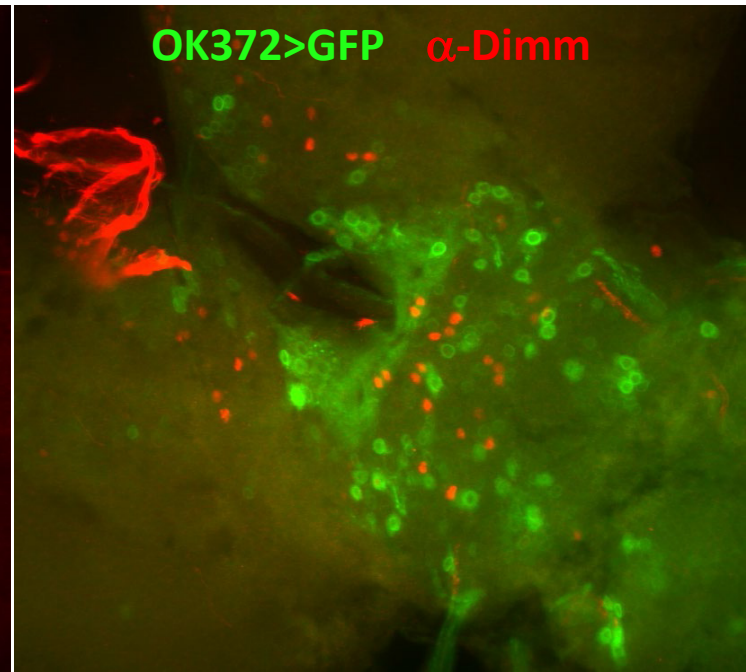
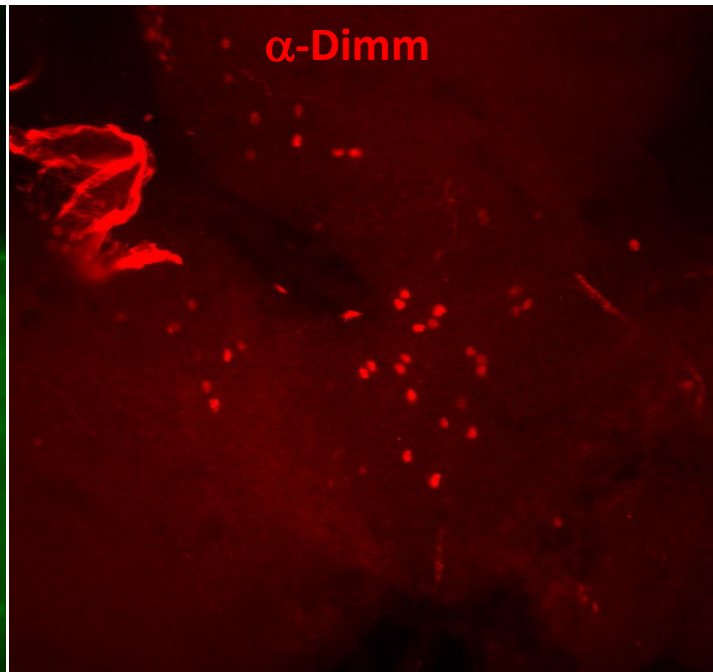
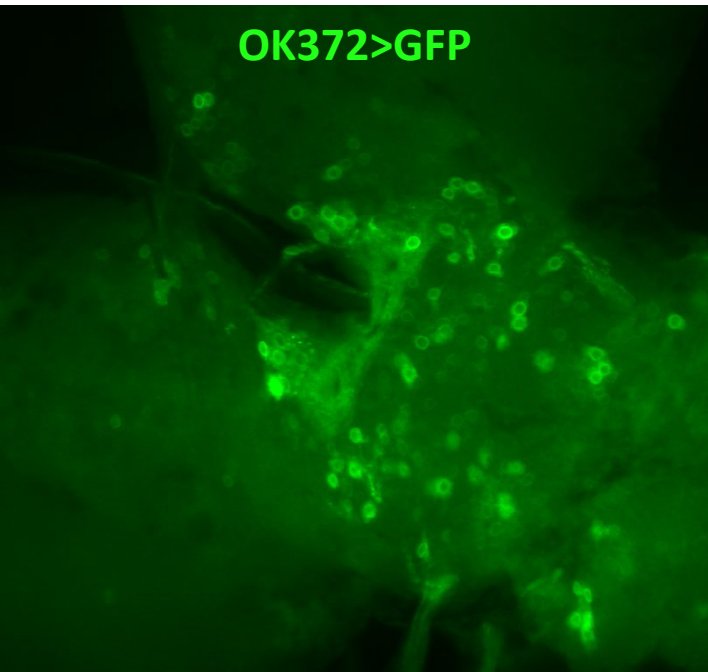




Fig S9

# A



**MHC>**

**MHC> Babo<sup>CA</sup>**

# B



## MHC>

## MHC> Babo<sup>CA</sup>

C



**MHC>**

**MHC> dSmad2<sup>CA</sup>**

D

