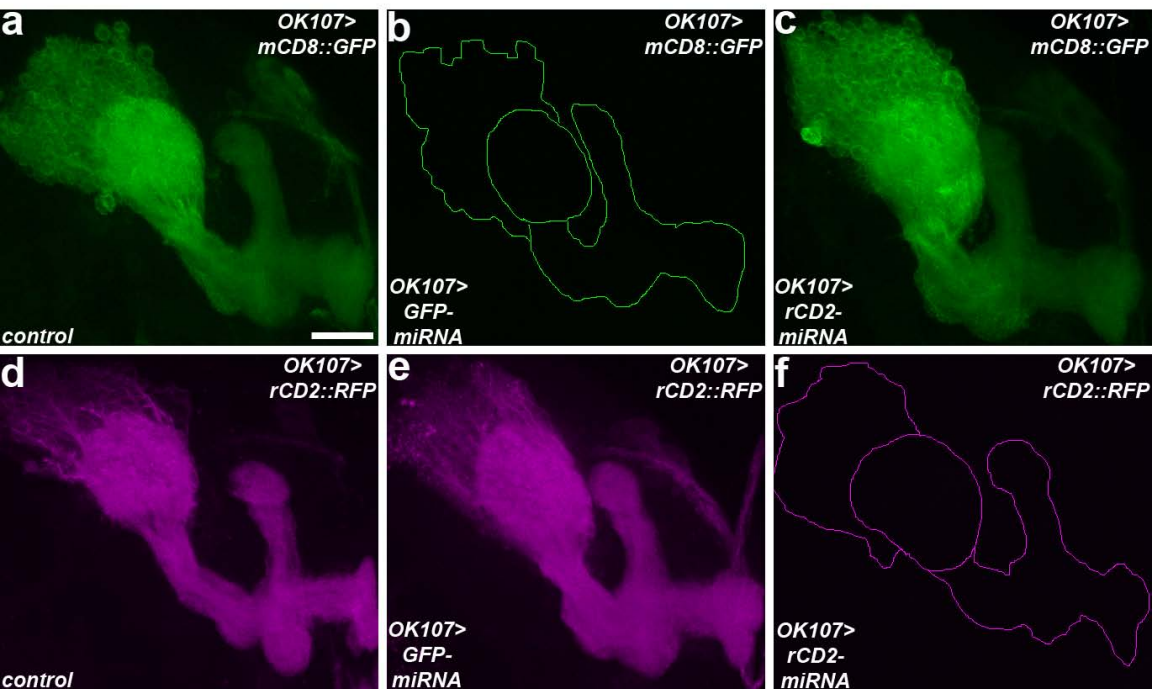# Twin-Spot MARCM to reveal developmental origin and identity of neurons

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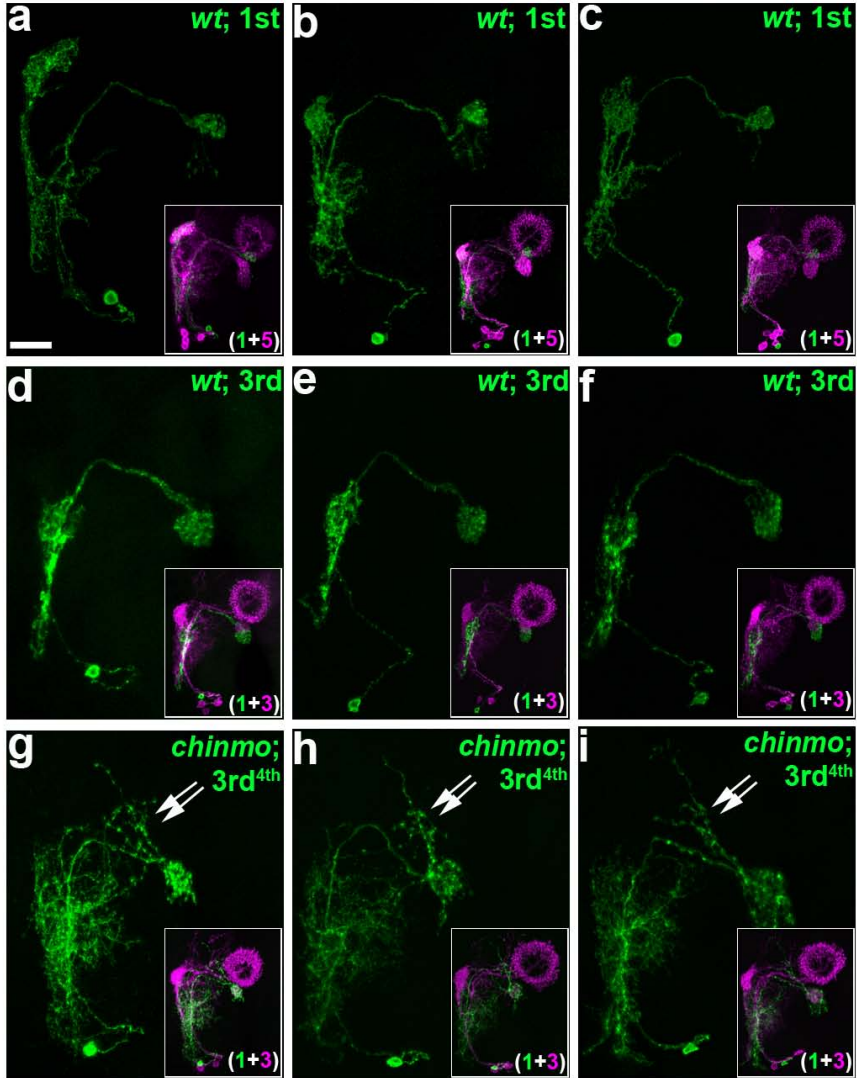
SUPPLEMENTARY INFORMATION

Efficacy and specificity of RNAi suppression of two reporters

Supplemental Figure 1. *GFP-miRNA* (b) but not *rCD2-miRNA* (c) is a potent suppressor of mCD8::GFP driven by *GAL4-OK107*. In contrast, *rCD2-miRNA* (f) but not *GFP-miRNA* (e) effectively blocks the expression of rCD2::RFP driven by *GAL4-OK107*. Outline of MB is depicted in [b] and [f]. The scale bar is 20 μm.

Stereotyped neurite projections of central complex neurons

Supplemental Figure 2. (a-i) By counting the cell number of multi-cellular Nb clones (insets), the birth order of their associated single-cell clones is determined. Stereotyped morphology of the first- (a-c) and third-born (d-f) noduli neurons are observed in the *GAL4-OK107*-positive central complex sublineage. The third-born *chinmo* neuron exhibits the morphology of the fourth-born wild-type neuron ($3rd^{4th}$; g-i). Stereotyped ectopic projections (double arrows) are observed in these $3rd^{4th}$ *chinmo* neurons (g-i, compared to Fig. 4g). The scale bar is 20 μm.