

Supporting Information

Ayukawa et al. 10.1073/pnas.1202369109

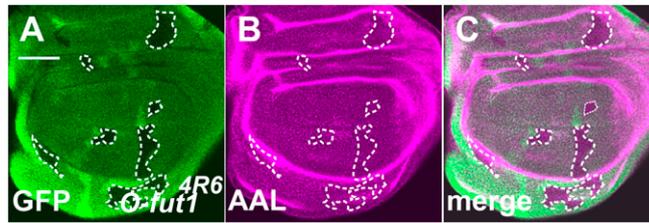


Fig. S1. Aleuria Aurantia Lectin (AAL) staining is not reduced in cells homozygous for *O-fut1*^{4R6} *in vivo*. (A–C) Late third-instar wing imaginal discs carrying somatic clones homozygous for *O-fut1*^{4R6} were stained with AAL. (A and C) Regions lacking GFP (green) were *O-fut1*^{4R6} homozygous cells. (B and C) AAL-staining (magenta). C is a merged image of A and B. White broken lines indicate the borders of clones. (Scale bar in A, 50 μ m, applicable to A–C.)

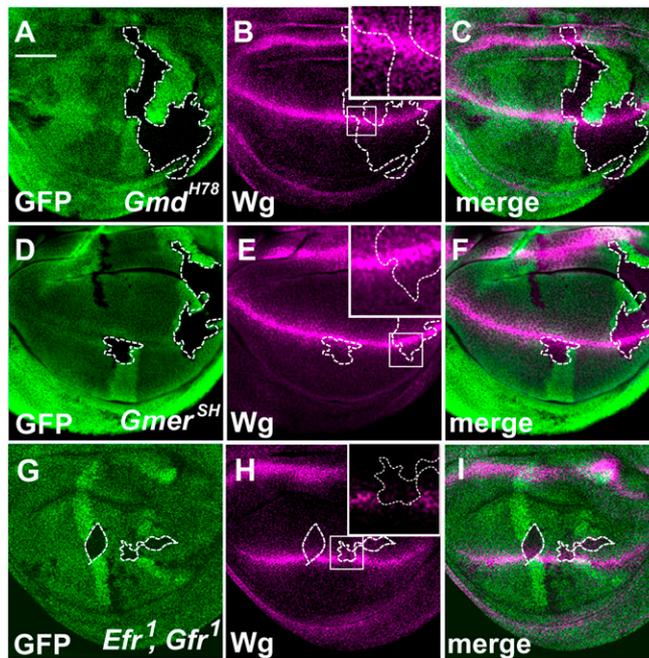


Fig. S2. Expression of Wg is not reduced in somatic clones homozygous for *Gmd* or *Gmer*. Late third-instar wing imaginal discs carrying somatic clones homozygous for *Gmd*^{H78} (A–C), *Gmer*^{SH} (D–F), or *Efr*¹ and *Gfr*¹ (G–I) were stained with an anti-Wg antibody (magenta). (A, C, D, F, G, and I) Regions lacking GFP (green) were somatic clones of the indicated mutants. C, F, and I are merged images of A and B, D and E, and G and H, respectively. *Insets*: Higher magnifications of the regions indicated by a white square in B, E, and H. Boundaries of the somatic clones are indicated by white broken lines. (Scale bar in A, 50 μ m, applicable to A–I.)

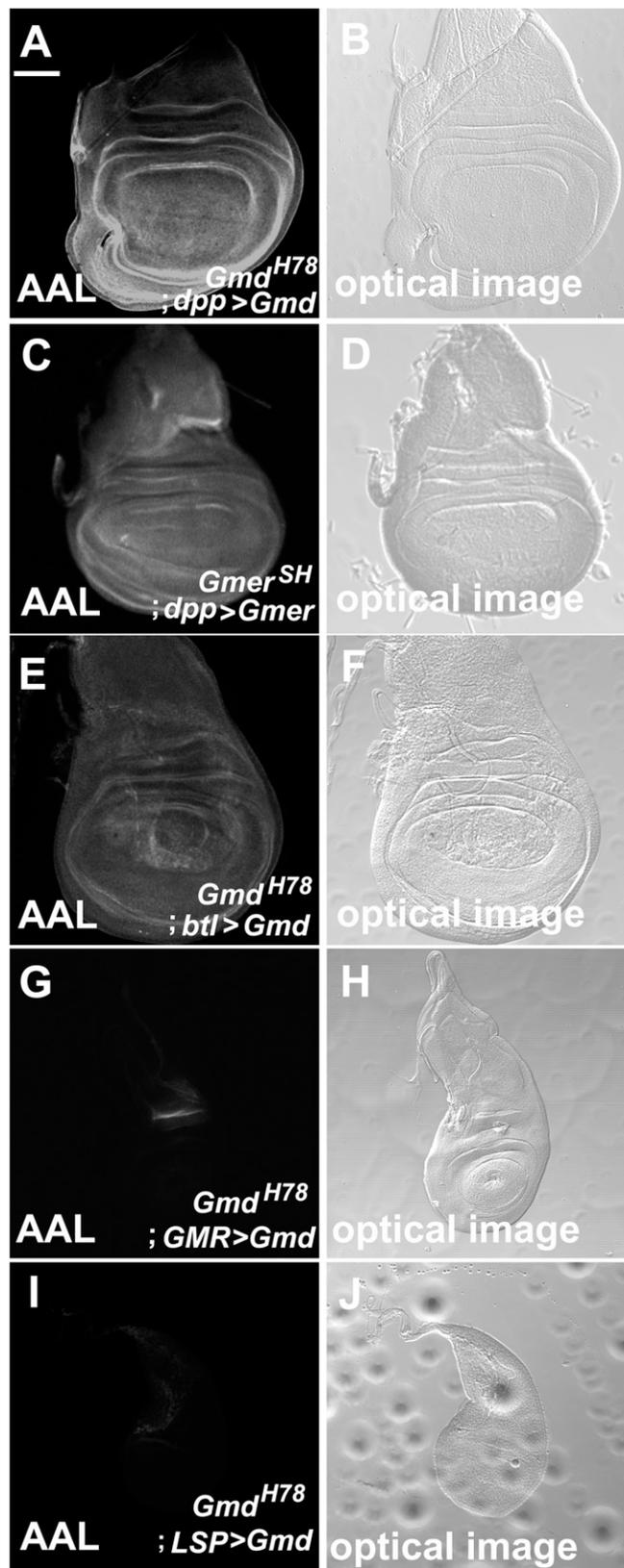


Fig. S3. Intercellular delivery of GDP-L-fucose is limited to a given organ. (A–J) Late third-instar wing imaginal discs stained with AAL (A, C, E, G, and I, magenta), and their optical images (B, D, F, H, and J). (A) *UAS-Gmd* was driven by *dpp-Gal4* in a *Gmd^{H78}* homozygote. (B) *UAS-Gmer* was driven by *dpp-Gal4* in a *Gmer^{SH}* homozygote. (C) *UAS-Gmd* was driven by *btl-Gal4* in a *Gmd^{H78}* homozygote. (D) *UAS-Gmd* was driven by *GMR-Gal4* in a *Gmd^{H78}* homozygote. (E) *UAS-Gmd* was driven by *Lsp-Gal4* in a *Gmd^{H78}* homozygote. (Scale bar in A, 50 μ m, applicable to A–J.)

