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| Figure 2 | *(B)*   * *y, w; Mi{PT-GFSTF.2}nordMI06414-GFSTF.2 /+*   *(C)*   * *y, w, hs-FLP, UAS-mCD8-GFP/+; actin>y+>Gal4 / Mi{PT-RFPHA.2}nordMI06414-RFPHA.2; Tm6B/+*   *(D)*   * *y, w, hs-FLP, UAS-mCD8-GFP/+; actin>y+>Gal4 / Mi{PT-RFPHA.2}nordMI06414-RFPHA.2; UAS-SmoGlu/+* |
| Figure 3 | *(D)*   * *y, w; Mi{PT-GFSTF.2}nordMI06414-GFSTF.2 / +* * *y, w;*   *(E)*   * *y, w, hs-FLP/+; actin>y+>Gal4 / +; UAS-DsRed / UAS-Nord-HA-GFP* * *y, w, hs-FLP/+; actin>y+>Gal4 / +; UAS-DsRed /Tm6B* |
| Figure 4 | *(B, C)*   * *y, w;* * *y, w; Mi{MIC}nordMI064/ Mi{MIC}nordMI0641*   *(D, E)*   * *y, w;* * *y, w; Mi{MIC}nordMI064 / Mi{MIC}nordMI0641* * *w; nord22A / nord22A* * *w; nord22A / Df(2R)BSC155* * *y, w; Mi{MIC}nordMI064 / Df(2R)BSC155* |
| Figure 5 | *(A)*   * *y, w; Mi{PT-GFSTF.2}nordMI06414-GFSTF.2 / +*   *(B-E)*   * *y, w;* * *y, w; Mi{MIC}nordMI064 / Mi{MIC}nordMI0641* |
| Figure 7 | *(A-D)*  *w; nub-Gal4 / +; UAS-GFP / +*  *w; nub-Gal4 / +; UAS-Nord-HA-GFP / +* |
| Figure 8 | * *w; en-Gal4, tub-Gal80ts / +; UAS-GFP / +* * *w; en-Gal4, tub-Gal80ts / +; UAS-GFP / UAS-GFP* * *w; en-Gal4, tub-Gal80ts / UAS-GFP; UAS-GFP / UAS-GFP* * *w; en-Gal4, tub-Gal80ts / +; UAS-Nord-HA-GFP / +* * *w; en-Gal4, tub-Gal80ts / UAS-Nord-HA-GFP; UAS-Nord-HA-GFP / +* * *w; en-Gal4, tub-Gal80ts / UAS-Nord-HA-GFP; UAS-Nord-HA-GFP / UAS-Nord-HA-GFP* * *w; tub-Gal80ts / UAS-Nord-HA-GFP; hh-Gal4 / +* * *w; tub-Gal80ts / UAS-Nord-HA-GFP; hh-Gal4 / UAS-Nord-HA-GFP* |
| Figure 1-figure supplement 1 | *(B)*   * *w; ptc-Gal4/+; UAS-mCD8-GFP/+*   *(C)*   * *w; UAS-mCD8-GFP/+; hh-Gal4/+* |
| Figure 2-figure supplement 3 | *(A)*   * *w; Mi{PT-GFSTF.2}nordMI06414-GFSTF.2/+; hs-Gal4 /+*   *(B)*   * *w; Mi{PT-GFSTF.2}nordMI06414-GFSTF.2/+; hs-Gal4 / UAS-Hh*   *(C)*   * *w; Mi{PT-GFSTF.2}nordMI06414-GFSTF.2/+; hs-Gal4 /UAS-Ptc* |
| Figure 4-figure supplement 2 | *(A, B)*   * *w; nord22A/nord3D* * *w; nord3D/+* * *w;* |
| Figure 4-figure supplement 5 | *(A)*   * *w; nord3D / +* * *w; nord3D / Df(2R)BSC155*   *(B)*   * *w; nord22A / +* * *w; nord22A / Df(2R)BSC155* |
| Figure 4-figure supplement 6 | *(A)*   * *y, w; Mi{MIC}nordMI064 / +* * *y, w; Mi{MIC}nordMI064 / Df(2R)BSC155*   *(B)*   * *w; nord22A / +* * *w; nord22A / Df(2R)BSC155* |
| Figure 5-figure supplement 1 | * *y, w; Mi{PT-GFSTF.2}nordMI06414-GFSTF.2 / +* |
| Figure 5-figure supplement 2 | *(A, B)*   * *y, w;* * *y, w; Mi{MIC}nordMI064 / Mi{MIC}nordMI0641* |
| Figure 5-figure supplement 3 | * *w, A9-Gal4 / +; UAS-GFP / +* * *w, A9-Gal4 / +; UAS-nordRNAi-1 / +* * *w, A9-Gal4 / +; UAS-nordRNAi-2 / +* * *w; ptc-Gal4 / UAS-GFP* * *w; ptc-Gal4 / UAS-nordRNAi-1* * *w; ptc-Gal4 / UAS-nordRNAi-2* * *w; UAS-GFP /+; hh-Gal4 / +* * *w; UAS-nordRNAi-1 /+; hh-Gal4 / +* * *w; UAS-nordRNAi-2 /+; hh-Gal4 / +* |
| Figure 5-figure supplement 4 | * *w, A9-Gal4 / +; UAS-GFP / +* * *w, A9-Gal4 / +; UAS-nordRNAi-1 / +* * *w, A9-Gal4 / +; UAS-nordRNAi-2 / +* * *w; ptc-Gal4 / UAS-GFP* * *w; ptc-Gal4 / UAS-nordRNAi-1* * *w; ptc-Gal4 / UAS-nordRNAi-2* * *w; UAS-GFP /+; hh-Gal4 / +* * *w; UAS-nordRNAi-1 /+; hh-Gal4 / +* * *w; UAS-nordRNAi-2 /+; hh-Gal4 / +* |
| Figure 7- figure supplement 1 | * *w; nub-Gal4 / +; UAS-GFP / +* * *w; nub-Gal4 / +; UAS-Nord-HA-GFP / +* |
| Figure 8- figure supplement 1 | * *w; tub-Gal80ts / UAS-GFP; hh-Gal4 / +* * *w; tub-Gal80ts / UAS-GFP; hh-Gal4/ UAS-GFP* * *w; tub-Gal80ts / UAS-Nord-HA-GFP; hh-Gal4 / +* * *w; tub-Gal80ts / UAS-Nord-HA-GFP; hh-Gal4 / UAS-Nord-HA-GFP* |

**Supplementary file 3. The genotype of larvae, pupae or adult flies from where wing discs, pupal or adult wings were collected and imaged in each figure.**