

Figure Number	Genotypes
Figure 1a	<i>GFP-wg / wg-HA ; hh-Gal4 / UAS-Nrt-MYC-LaG16</i>
Figure 1b	<i>en-Gal4, UAS-flp / + ; ubi::gfp, FRT2A / dally^{MH32}, FRT2A</i>
Figure 1c	<i>en-Gal4, UAS-flp / + ; ubi::gfp, FRT2A / dlp^{MH20}, FRT2A</i>
Figure 2a	1. <i>GFP-wg, ptc-Gal4 / UAS-dlp-HA</i> 2. <i>GFP-wg[S239A], ptc-Gal4 / UAS-dlp-HA</i>
Figure 2c	1. <i>GFP-wg, ptc-Gal4 / + ; UAS-V5-GPC6 / +</i> 2. <i>GFP-wg, ptc-Gal4 / + ; UAS-V5-GPC5 / +</i>
Figure 4b	1. <i>GFP-wg, ptc-Gal4 / UAS-dlp-HA</i> 2. <i>GFP-wg, ptc-Gal4 / + ; UAS-dlp[S168M]-HA / +</i> 3. <i>GFP-wg, ptc-Gal4 / + ; UAS-dlp[M175C/N367C]-HA / +</i>
Extended Data 1a-c	<i>GFP-wg / UAS-Vhh4-CD8-HA ; dpp-Gal4 / +</i>
Extended Data 1d	<i>GFP-wg / wg-Gal4, tub::Gal80^{ts} ; dpp-lexA, UAS-dlp^{DGPI}-V5 / lexAop-Vhh4-CD8-HA</i>
Extended Data 2a	<i>UAS-Vps4^{DN} / + ; hh-Gal4 tub::Gal80^{ts} / +</i>
Extended Data 2b	<i>hrs^{D28}, FRT40A / arm::lacZ, FRT40A ; hh-Gal4, UAS-FLP / +</i>
Extended Data 2c,d	<i>UAS-LpR2e-HA / + ; hh-Gal4, tub::Gal80^{ts} / +</i>
Extended Data 2e	1. <i>w1118</i> 2. <i>Df(3R)Lpr1/2 / Df(3R)Lpr1/2</i>
Extended Data 3a	<i>en-Gal4 / UAS-Swim-RNAi ; UAS-dicer / +</i>
Extended Data 3c	1. <i>w1118</i> 2. <i>SwimKO / SwimKO</i>
Extended Data 3d	<i>en-Gal4, UAS-flp / + ; ubi::gfp, FRT2A / dally^{MH32}, dlp^{MH20}, FRT2A</i>
Extended Data 4a	<i>GFP-wg[S239A], ptc-Gal4 / UAS-Vhh4-CD8-HA</i>
Extended Data 4e	1. <i>GFP-wg, ptc-Gal4 / + ; UAS-V5-GPC3 / +</i> 2. <i>GFP-wg, ptc-Gal4 / + ; UAS-V5-GPC4 / +</i>
Extended Data 5a	1. <i>GFP-wg, ptc-Gal4 / + ; UAS-V5-GPC3 / +</i> 2. <i>GFP-wg, ptc-Gal4 / + ; UAS-V5-GPC4 / +</i> 3. <i>GFP-wg, ptc-Gal4 / + ; UAS-V5-GPC5 / +</i> 4. <i>GFP-wg, ptc-Gal4 / + ; UAS-V5-GPC6 / +</i>
Extended Data 5a	1. <i>GFP-wg, en-Gal4 / + ; UAS-V5-GPC3 / +</i> 2. <i>GFP-wg, en-Gal4 / + ; UAS-V5-GPC4 / +</i> 3. <i>GFP-wg, en-Gal4 / + ; UAS-V5-GPC5 / +</i> 4. <i>GFP-wg, en-Gal4 / + ; UAS-V5-GPC6 / +</i>
Extended Data 9a	1. <i>GFP-wg, ptc-Gal4 / UAS-dlp-HA</i> 2. <i>GFP-wg, ptc-Gal4 / + ; UAS-dlp[F172T/F195Y]-HA / +</i> 3. <i>GFP-wg, ptc-Gal4 / + ; UAS-dlp[R169E/T170N/Q171M/F172T]-HA / +</i> 4. <i>GFP-wg, ptc-Gal4 / + ; UAS-dally[E149R/N150T/M151Q/T152F]-HA / +</i>

Supplementary Table 1