

**Table S1. Genotypes of Flies in Each Experiment, Related to STAR Methods**

Figure	Genotype
<b>Figure 1</b>	
B	<i>VT033006-GAL4/UAS-CD4-GFP</i>
C	<i>UAS-HRP-CD2/+</i>
D	<i>UAS-HRP-CD2/+; VT033006-GAL4/+</i>
E	<i>-HRP: UAS-HRP-CD2/+</i> <i>+HRP: UAS-HRP-CD2/+; VT033006-GAL4/+</i>
F	<i>-HRP: UAS-HRP-CD2/+</i> <i>+HRP: UAS-HRP-CD2/+; VT033006-GAL4/+</i>
<b>Figure 2</b>	
B	<i>-HRP: UAS-HRP-CD2/+</i> <i>+HRP: UAS-HRP-CD2/+; VT033006-GAL4/+</i>
<b>Figure 4</b>	
C	<i>C155-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+</i>
D	<i>C155-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/UAS-CG6821-RNAi (BDSC_ BL55389)</i>
E	<i>C155-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/UAS-CG31998-RNAi (VDRC_100417)</i> <i>C155-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+; UAS-CG17839-RNAi (VDRC_ 3109)/+</i>
F	<i>C155-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+; UAS-CG33087-RNAi (BDSC_ 31151)/+</i> <i>C155-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/UAS-CG9796-RNAi (BDSC_ 67832)</i>
<b>Figure 5</b>	
C	<i>LRP1 conditional tag/+</i>
D	<i>LRP1 conditional tag/+</i>
E	<i>eyFLP/+ (or Y); LRP1 conditional tag/+</i>
F	<i>eyFLP/+ (or Y); LRP1 conditional tag/+</i>
G	<i>LRP1 conditional tag/UAS-FLP; VT033006-GAL4/+</i>
H	<i>LRP1 conditional tag/UAS-FLP; VT033006-GAL4/+</i>
I	Control: <i>UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+; VT033006-GAL4/+</i> <i>LRP1-RNAi: UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+; VT033006-GAL4/UAS-LRP1-RNAi (BDSC_ 31151)</i>
J	Control: <i>hsFLP, UAS-CD8-GFP/+ (or Y); FRT42D, tubP-GAL80/FRT42D; GMR86C10-GAL4/+</i> <i>LRP1 mutant: hsFLP, UAS-CD8-GFP/+ (or Y); FRT42D, tubP-GAL80/FRT42D, LRP1<sup>-</sup>; GMR86C10-GAL4/+</i>
K	Control: <i>UAS-dcr2/+ (or Y); Mz19-GAL4, UAS-CD8-GFP/+</i> <i>LRP1-RNAi: UAS-dcr2/+ (or Y); Mz19-GAL4, UAS-CD8-GFP/+; UAS-LRP1-RNAi (BDSC_ 31151)/+</i>
L	Control: <i>hsFLP, UAS-CD8-GFP/+ (or Y); Mz19-GAL4, FRT42D, tubP-GAL80/FRT42D</i> <i>LRP1 mutant: hsFLP, UAS-CD8-GFP/+ (or Y); Mz19-GAL4, FRT42D, tubP-GAL80/FRT42D, LRP1<sup>-</sup></i>
M	Control: <i>hsFLP, UAS-CD8-GFP/+ (or Y); Mz19-GAL4, FRT42D, tubP-GAL80/FRT42D</i> <i>LRP1 mutant: hsFLP, UAS-CD8-GFP/+ (or Y); Mz19-GAL4, FRT42D, tubP-GAL80/FRT42D, LRP1<sup>-</sup></i>

<b>Figure S1</b>	
<b>B</b>	<i>UAS-HRP-CD2/+</i>
<b>C</b>	<i>UAS-HRP-CD2/+; VT033006-GAL4/+</i>
<b>Figure S4</b>	
	To label PNs for FACS and RNA-sequencing: <i>UAS-CD8-GFP/+; VT033006-GAL4/+</i>
<b>Figure S5</b>	
	<i>C155-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+</i> with a single-copy, heterozygous <i>UAS-RNAi</i> on the 2 <sup>nd</sup> or 3 <sup>rd</sup> chromosome (RNAi number listed next to each panel)
	In the two cases that pan-neuronal RNAi was lethal, <i>PN-GAL4</i> was used instead for RNAi expression: <i>UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+; VT033006-GAL4/+</i> with a single-copy, heterozygous <i>UAS-RNAi</i> on the 2 <sup>nd</sup> or 3 <sup>rd</sup> chromosome (RNAi number listed next to each panel)
<b>Figure S6</b>	
<b>A</b>	<i>w<sup>1118</sup></i>
<b>B</b>	<i>LRP1 conditional tag/UAS-FLP; VT033006-GAL4/+</i>
<b>Figure S7</b>	
<b>A</b>	<i>w<sup>1118</sup> or LRP1<sup>-/-</sup></i>
<b>B</b>	<i>w<sup>1118</sup> or LRP1<sup>-/-</sup></i>
<b>D</b>	Control: <i>Pebbled-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+</i> <i>LRP1-RNAi: Pebbled-GAL4, UAS-dcr2/+ (or Y); GMR86C10-LexA, LexAop-mtdTomato, Or98a-mCD8-GFP, Or92a-rCD2/+; UAS-LRP1-RNAi (BDSC_31151)/+</i>
<b>E</b>	Control: <i>eyFLP, UAS-CD8-GFP/+ (or Y); FRT42D, tubP-GAL80/FRT42D; Or92a-GAL4/+</i> <i>LRP1 mutant: eyFLP, UAS-CD8-GFP/+ (or Y); FRT42D, tubP-GAL80/FRT42D, LRP1<sup>-/-</sup>; Or92a-GAL4/+</i>
<b>F</b>	Control: <i>eyFLP, UAS-CD8-GFP/+ (or Y); FRT42D, tubP-GAL80/FRT42D; Or98a-GAL4/+</i> <i>LRP1 mutant: eyFLP, UAS-CD8-GFP/+ (or Y); FRT42D, tubP-GAL80/FRT42D, LRP1<sup>-/-</sup>; Or98a-GAL4/+</i>