***eLife’s* transparent reporting form**

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* You should state whether an appropriate sample size was computed when the study was being designed
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* The data obtained should be provided and sufficient information should be provided to indicate the number of independent biological and/or technical replicates
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* Statistical analysis methods should be described and justified
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* Where provided, these should be in the most useful format, and they can be uploaded as “Source data” files linked to a main figure or table
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Please indicate the figures or tables for which source data files have been provided:

9 source data files have been included.   
1. Table 1 Source Data 1. HACK KI Screen

2. Figure 2 Source Data 1. KI SSR

3. Figure 3 Source Data 1. AL Analyses

4. Figure 3 Source Data 2. Glomerular Examples

5. Figure 4 Source Data 1. snRNAseq

6. Figure 4 Source Data 2. Glom Analyses

7. Figure 4 Source Data 3. Optogenetics

8. Figure 6 Source Data 1. Ab3 and Pb Ephys

9. Figure 6 Source Data 2. In Situ Probes

10. Figure 7 Source Data 1. In Situs in Non-melanogaster Insects.