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Dear Stephanie Ray Weldon, Editor of JoVe,

We are happy to submit to JoVe a method developed in our lab that accurately tracks viability of *Drosophila* from embryo to adult. Albeit simple and straightforward, we have not found any published protocol that addresses how to thoroughly follow viability of a cohort of F1 siblings as they develop in food vials. By combining Chi square analyses and direct transfer of grape-agar discs containing embryos/L1 larvae onto colored food in clear vials, it is possible to assess viability at each developmental stage without having to wash embryos off the plate to transfer to vials, a common source of technical errors that confound results. This method can be combined with the use of NIGHTSEA™ Fluorescence Viewing Systems when using alleles that are marked with fluorescent moieties.

We have produced a high-resolution video of which a low-resolution version accompanies this submission.

We believe that our work submitted to JoVe titled “A comprehensive method to assess *D. melanogaster*’s viability from embryo to adult” will prove very useful to the *Drosophila* research and teaching community.

We appreciate your invitation to submit and hope that our work can be published in JoVe.

We thank you in advance for your time and effort in evaluating our work.

Best regards,

Cintia F. Hongay, PhD.

A handwritten signature in black ink, appearing to read 'C. Hongay', is written on a light-colored rectangular piece of paper. The signature is fluid and cursive, with a large loop at the end.