Zebrafish Screening Survey

In 2016 the National Toxicology Program (NTP) Division within the National Institute of Environmental Health Sciences established a multipronged, multi-year program for the systematic evaluation of the application of zebrafish in toxicology (SEAZIT) studies. The goal of this project is to better understand sources of variability in tests involving the use of zebrafish, with a primary interest in chemical screening using zebrafish embryos. One of the exercises conducted by SEAZIT was a meeting on zebrafish screening data and the variability in scoring approaches and terminology used. As part of this work we are setting up a small online exercise to score phenotypes in a set of 24 images of early life stage zebrafish. The purpose of this exercise is to examine the variability in phenotype descriptions when a collection of labs score identical zebrafish images. Your answers and your contact information will be captured using a Google Form. We will not make your scoring public; however, we would be more than happy to include interested participants in follow-up discussions once the scoring is done and has been reviewed.

1. What is your name?

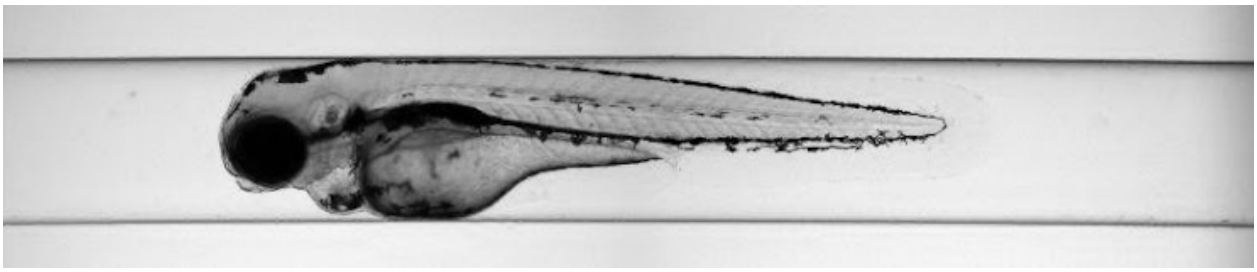
2. What is the name of your lab?

3. What is your email?

Instructions

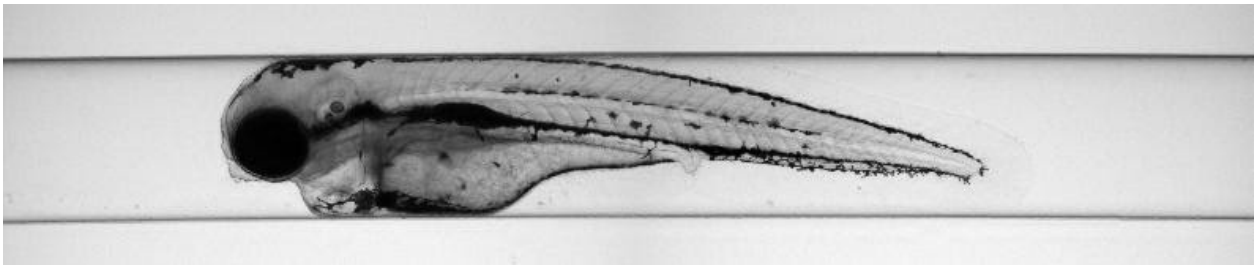
Please score the following images with names of the abnormal phenotypes you observe using the terminology of your lab. There can be more than one abnormal phenotype per embryo. Separate multiple abnormal phenotypes in your score using a semicolon. If you think the embryo has no abnormal phenotypes, score the image according to your lab's procedure for recording no abnormal phenotypes. If you cannot score the image, leave it blank.

Zebrafish embryo 1



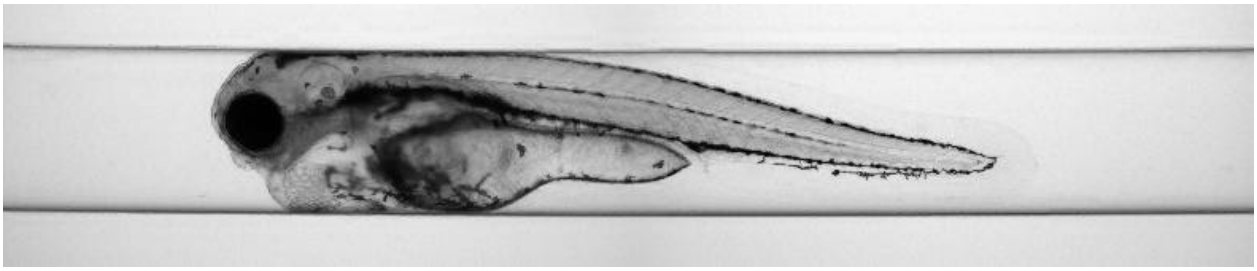
4. How would you score zebrafish embryo 1?

Zebrafish embryo 2



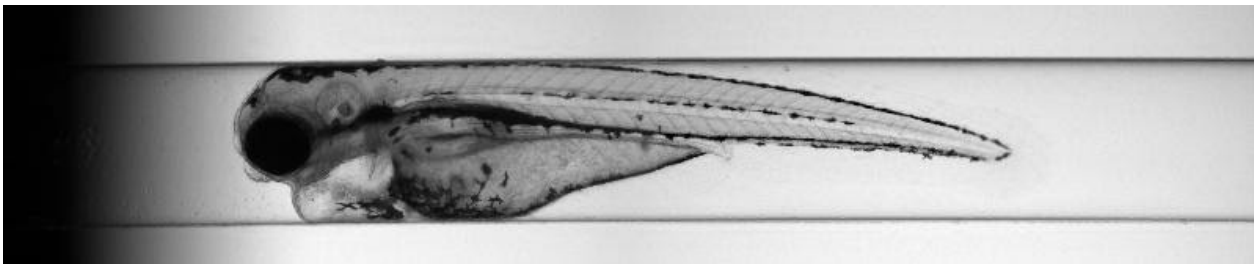
5. How would you score zebrafish embryo 2?

Zebrafish embryo 3



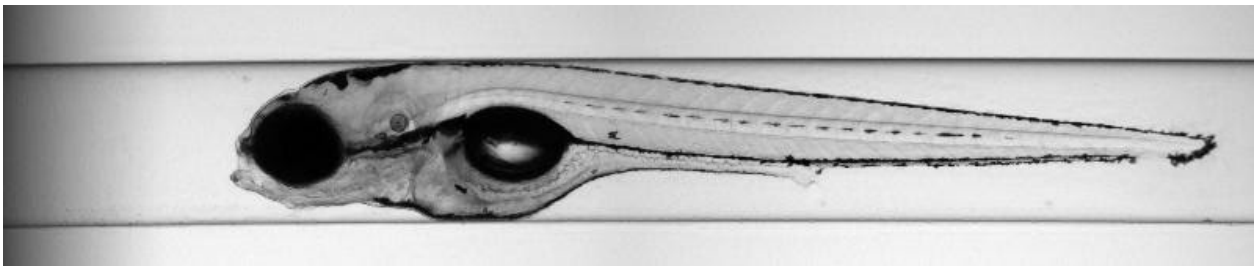
6. How would you score zebrafish embryo 3?

Zebrafish embryo 4



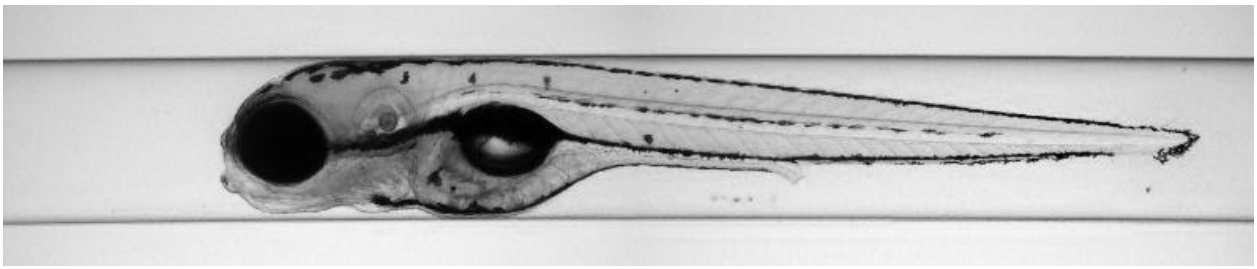
7. How would you score zebrafish embryo 4?

Zebrafish embryo 5



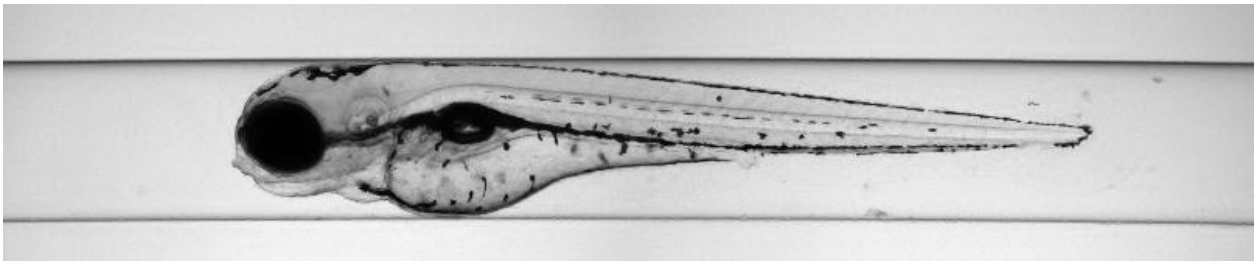
8. How would you score zebrafish embryo 5?

Zebrafish embryo 6



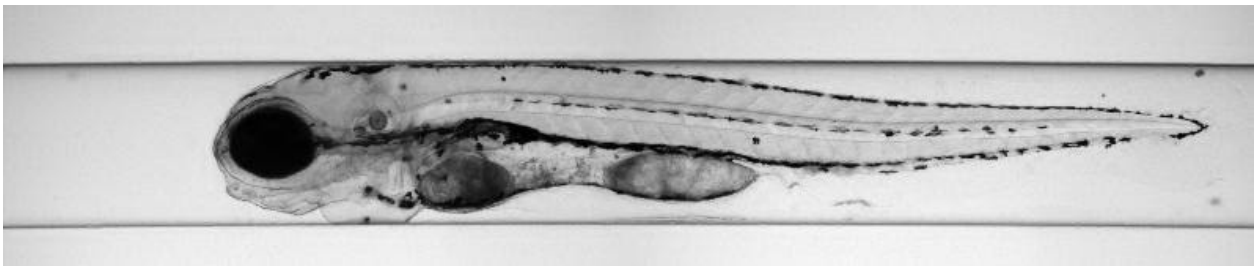
9. How would you score zebrafish embryo 6?

Zebrafish embryo 9



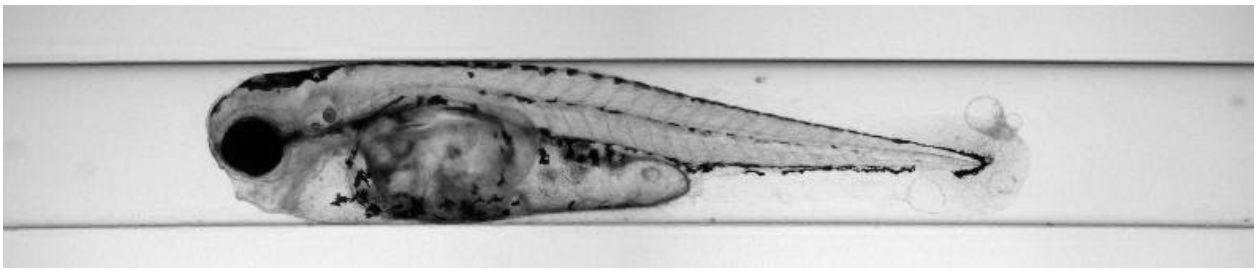
10. How would you score zebrafish embryo 9?

Zebrafish embryo 10



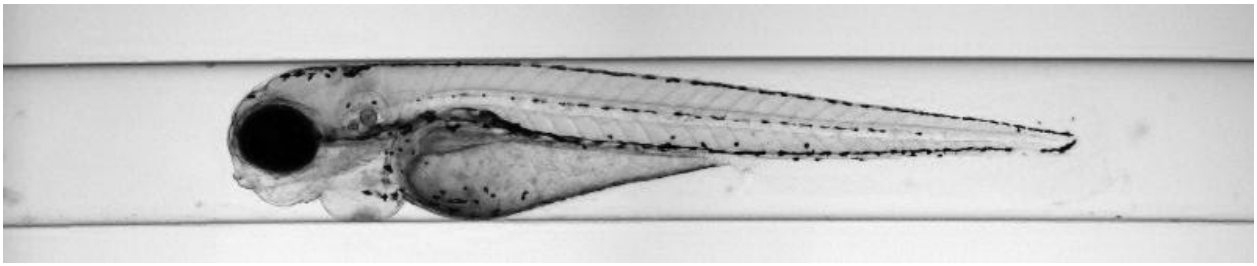
11. How would you score zebrafish embryo 10?

Zebrafish embryo 11



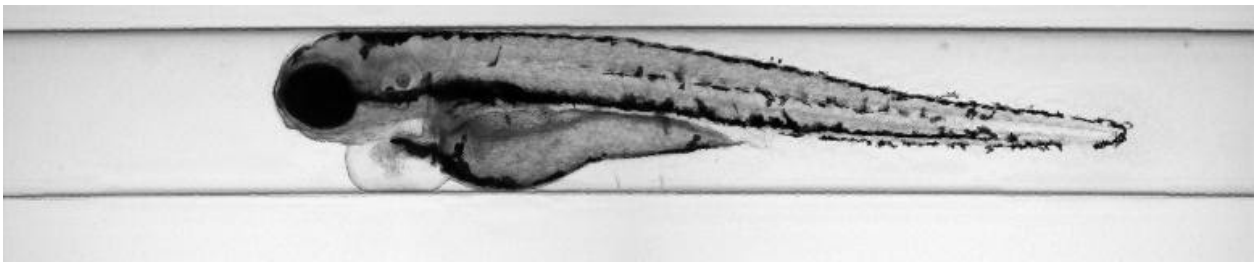
12. How would you score zebrafish embryo 11?

Zebrafish embryo 12



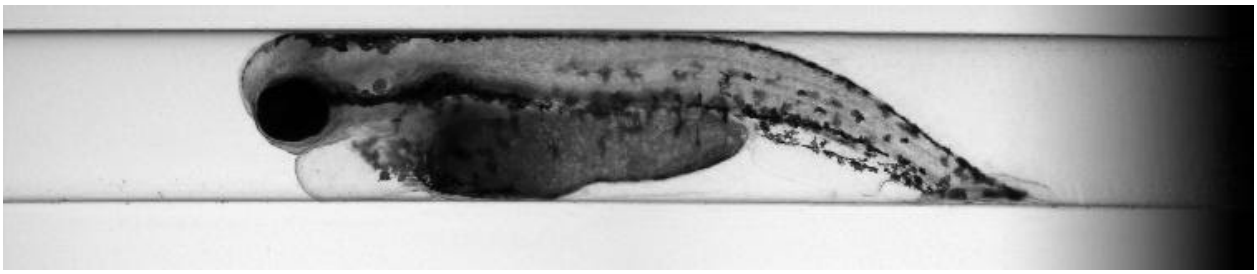
13. How would you score zebrafish embryo 12?

Zebrafish embryo 13



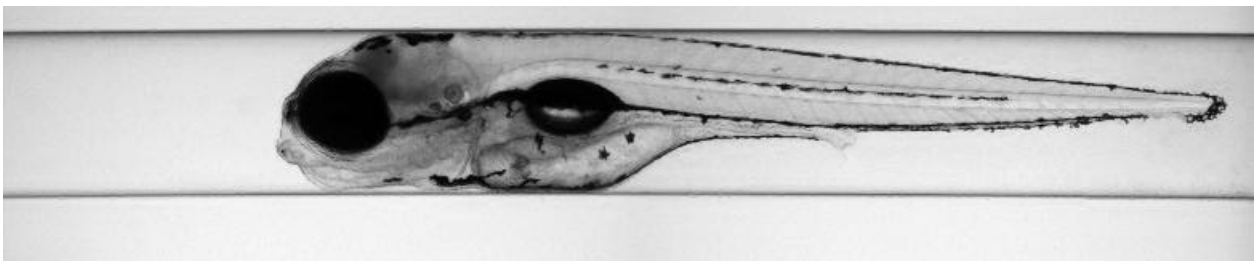
14. How would you score zebrafish embryo 13?

Zebrafish embryo 14



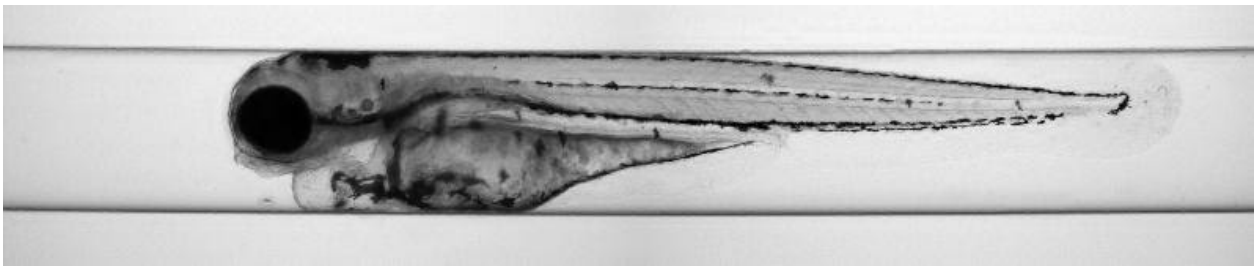
15. How would you score zebrafish embryo 14?

Zebrafish embryo 15



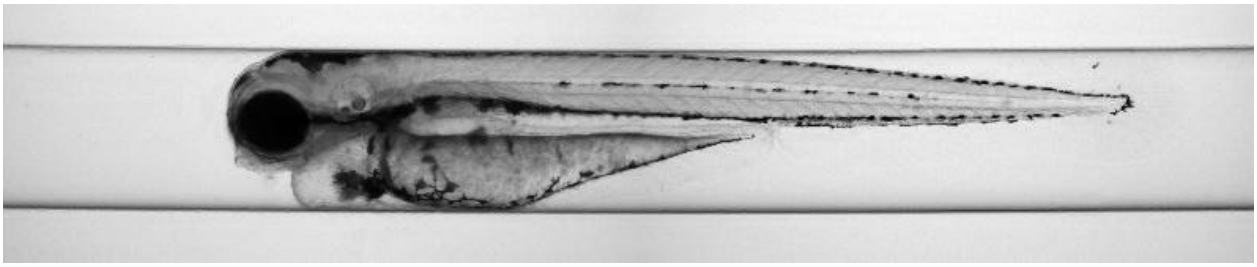
16. How would you score zebrafish embryo 15?

Zebrafish embryo 16



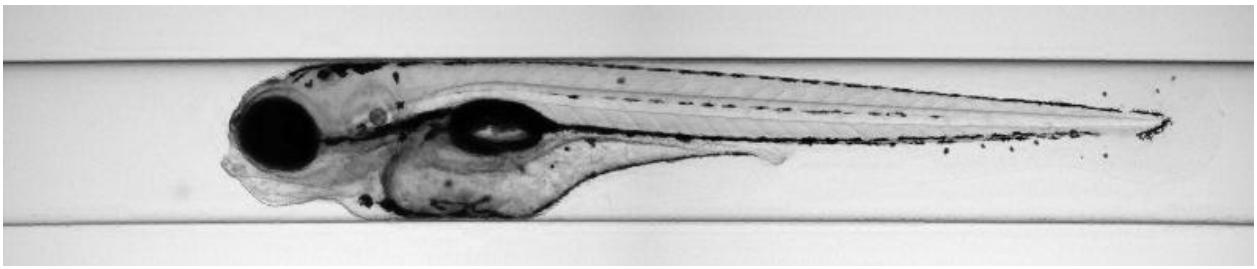
17. How would you score zebrafish embryo 16?

Zebrafish embryo 17



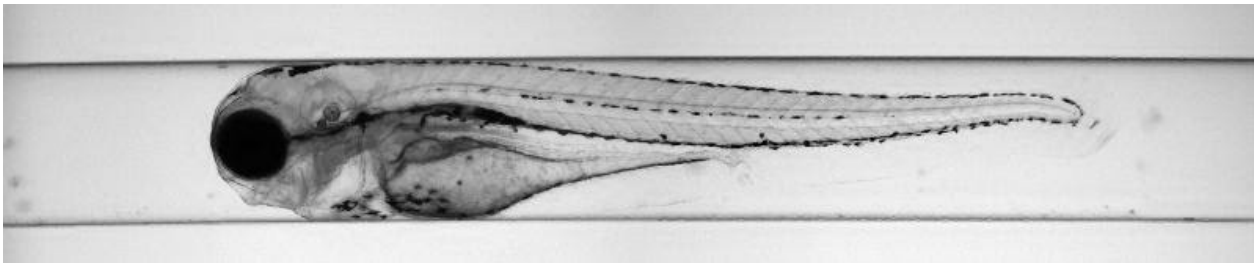
18. How would you score zebrafish embryo 17?

Zebrafish embryo 18



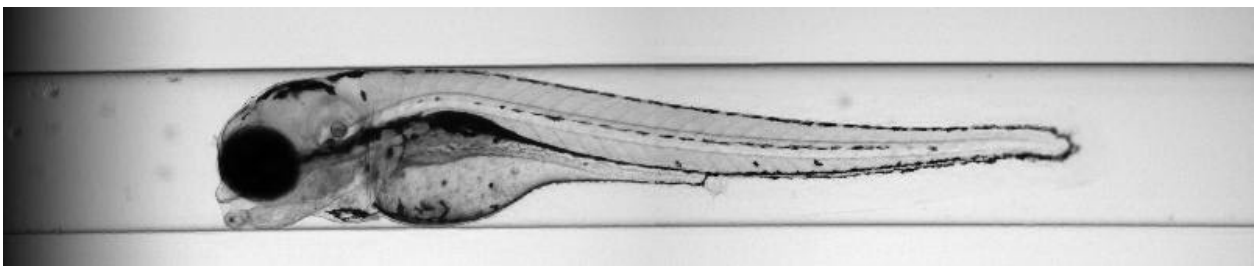
19. How would you score zebrafish embryo 18?

Zebrafish embryo 19



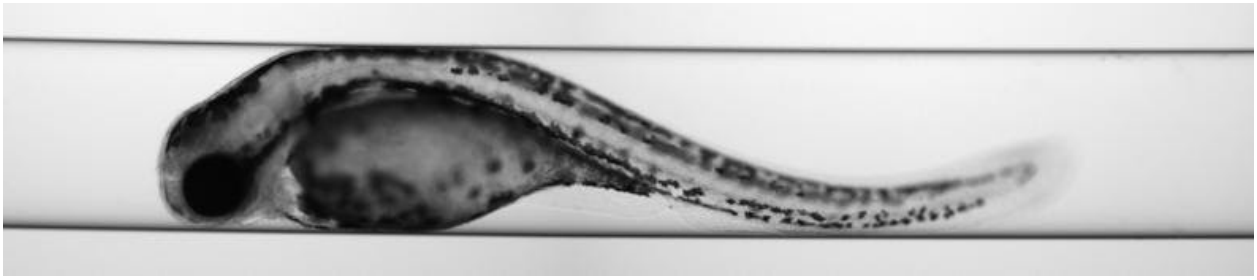
20. How would you score zebrafish embryo 19?

Zebrafish embryo 20



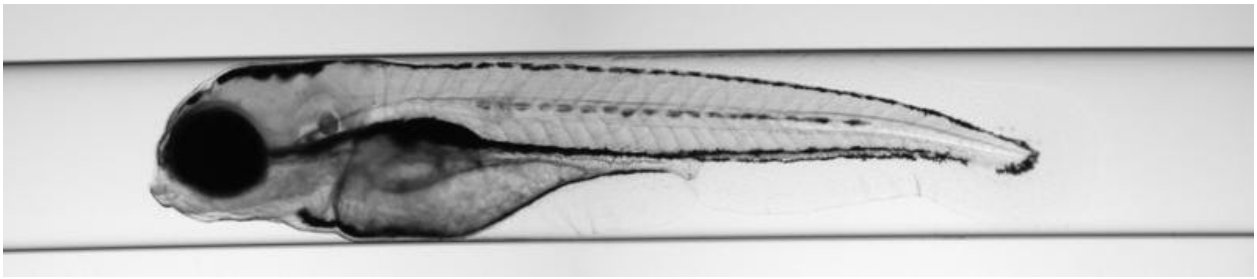
21. How would you score zebrafish embryo 20?

Zebrafish embryo 21



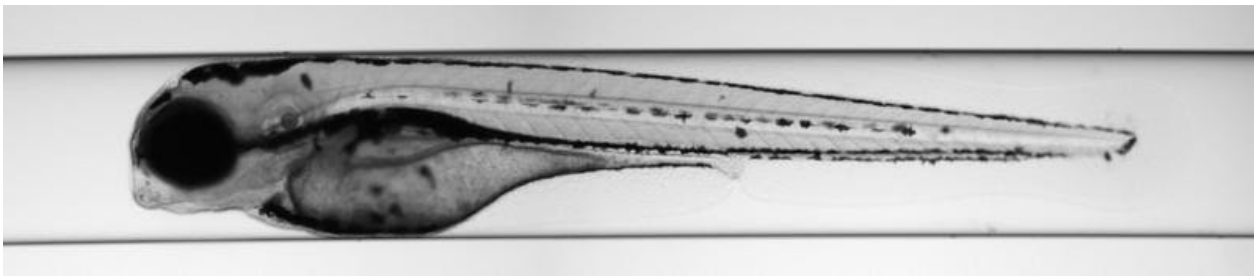
22. How would you score zebrafish embryo 21?

Zebrafish embryo 22



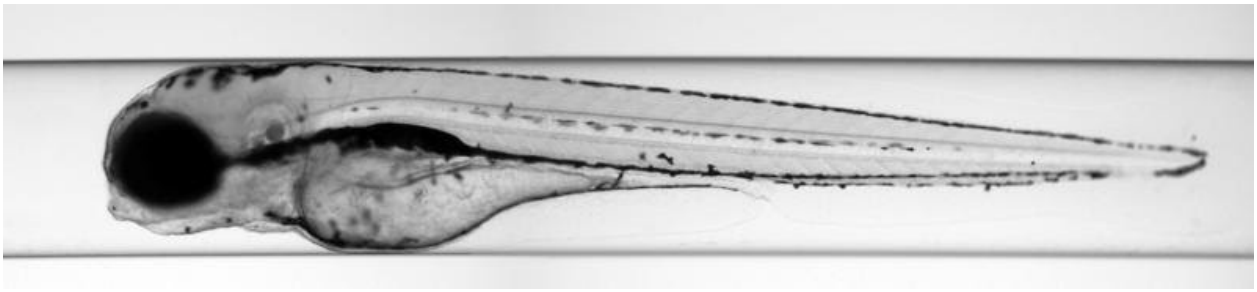
23. How would you score zebrafish embryo 22?

Zebrafish embryo 23



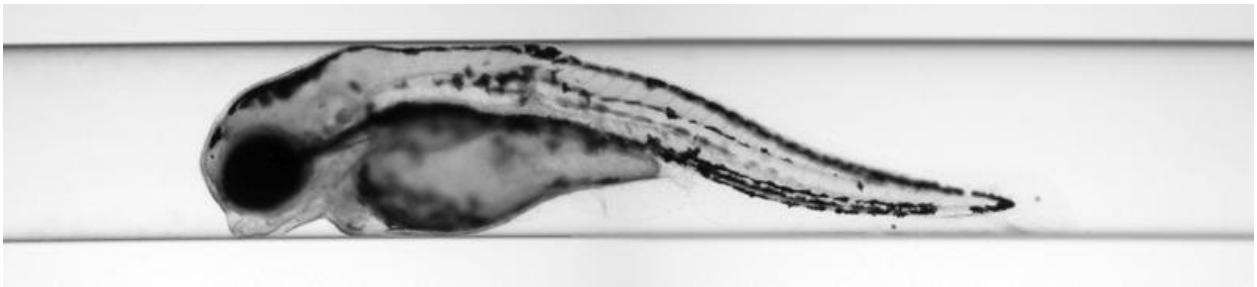
24. How would you score zebrafish embryo 23?

Zebrafish embryo 24



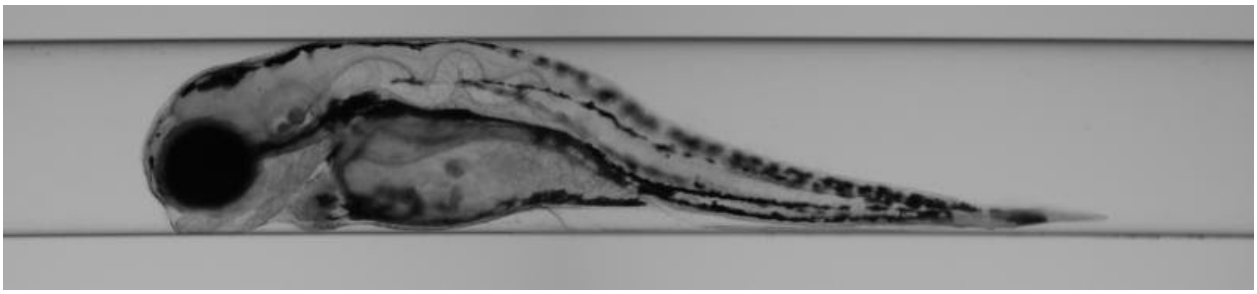
25. How would you score zebrafish embryo 24?

Zebrafish embryo 25



26. How would you score zebrafish embryo 25?

Zebrafish embryo 26



27. How would you score zebrafish embryo 26?

28. Please list any embryos you were unable to score along with the reason you were unable to score them.

29. May we contact you to follow up, if needed?

Mark only one oval.

- Yes
- No