Status of Positive Recovery from Dead Flies

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Contents

1 Discussed

1.1 Change in pooling

- Pooling was abandoned for the reaction and moved to the gel/detection stage
- PCR done on individuals
- pooled PCR results run on gel for examination
- This is probably good as Serap mentioned she did not like the pooled idea bc of low DNA abundance

1.2 Results

- 2 plates tested (~200 individuals)
- Plate 1:
  - **Village:** AKA
  - **Results:** no positives detected
- Plate 2:
  - **Village:** Mix of the high infection villages
  - **Results:** no positives detected

1.3 Observations

- Control rxns with **FLY** primers show expected results
- In control rxn with 100 ng of DNA extracted from known positive flies, she **still** can barely see the band when using the **TRYP** primers
- It is possible that some **false negatives** exist in these data
- Further supports abandoning the pooled PCR rxns for individual rxns

2 Current/future plans

- she plans to repeat at least a subset of the rxns using the first rxn as template
- I feel that it would be interesting to see the results of this but fear that it may introduce **false positives** if not confirmed with more stringent conditions.
- such confirmation however is cheap in both time and cost so I think its definitely worth doing.
- more plates are on deck for screening as well

2.1 Estimated time to completion

- two weeks depending on facility load