Status of dead positives recovery

Meeting notes

Gus, Gisella, Kirstin

2015-01-14 (Wednesday)

Contents

1 Discussed

1.1 Changes to screen procedures

- pooling rxns abandoned for individual PCR
- gels run as pools instead
- this is probably best since even with individuals, the sensitivity is not great
- added additional PCR rxn using product of first as template to increase sensitivity

1.2 Results

- 2 plates tested (~200 individuals)
- Plate 1:
  - **Village:** AKA
  - **Results:** 3 positives detected
- Plate 2:

  - **Village:** Mix of the high infection villages
  - **Results:** 1 positive detected

1.3 Robert's Work

- will be focused on MicroSats
- should only need legs as genetic material
- will use the Zygem (spelling?) DNA extraction kit
- some talk about stability of DNA from this kit but will use it anyway and test quality when Robert begins work

1.4 Undergrad

- will work on extracting DNA for Robert's MicroSat work ahead of his arrival
- Kirstin will train
- Needs to be briefed on over-all project for a talk she must give
- Gisella will have her apply for the small Alumni grant

2 Current/future plans

2.1 Dead positives screen

- Plate 3:
  - **Village:** ? not sure. Will check.
  - **Status:** waiting for extraction?
- Plate 4:
  - **Village:** Mostly ACA
  - **Status:** needs ~15 more dissections
- Pick out deads from the "most infected" areas of the *Spring 2014* data for next round of screens.

2.2 Robert's stuff

- Pick out 26 flies (13 M, 13 F) from each area we want to look at for Robert's work in March
- make sure we have an updated map with all the villages from *Spring and Summer 2014*
- Meet with Gisella to pick out which locations Robert's data will come from while looking at the updated map.