Status of dead positives recovery

Meeting notes

Gus, Gisella, Kirstin

2015-01-14 (Wednesday)

# Discussed

## 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

## 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

## 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

## 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

# Current/future plans

## 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.

## 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.