

# Daily Records

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## 1 2015-03-04 (Wednesday)

### 1.1 Robert's MicroSat Project

- add new december excel data [[DEC\\_2014\\_survey.xls](#)] to
  - [ ] [uganda\\_traps\\_gps.csv](#)
  - [DONE] [uganda\\_village\\_id\\_map.csv](#)
- [ ] re-generate [uganda\\_villages\\_gps.csv](#) with  
[2015-02-03\\_deduce\\_village\\_GPS\\_coords\\_from\\_mean\\_trap\\_coords.ipynb](#)
- [ ] create new signed tag for the git repo

#### 1.1.1 [ERRORS] in collection sheets

- [DEC\\_2014\\_survey\\_for\\_pandas.xlsx](#)
    - Samples for the two villages of Odworo and Ocala were interchanged
    - This means all samples recorded as OD ideally belong to OCA and those recorded as OCA belong to OD
-

## 2 2015-03-05 (Thursday)

### 2.1 *Glossina* meeting with Kenya folks

#### 2.1.1 My talk topics

1. Interest in Uganda
  2. Methods
  3. Collection protocol
  4. Database/sample tracking efforts
  5. Collection numbers
- 

## 3 2015-03-06 (Friday)

### 3.1 ddrad58

- worked on scaled Beta dist learning of  $r^2$  distributions
- calculated and sent back Hardy-Weinberg equilibrium FDRs to AndreaG

### 3.2 RobertO's MicroSat

- must re-build map stuff

#### 3.2.1 Villages for leg extraction

- see project notes: [ddrad58.md](#)
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## 4 2015-03-11 (Wednesday)

### 4.1 ddrad58

- see project notes: [ddrad58.md](#)

## 4.2 RobertO's MicroSat

- see project notes: [roberts\\_microsats.md](#)

## 4.3 Pandas import of collection sheets

- added explicit date recoding with minor value enforcement/control
    - [g\\_f\\_fuscipes\\_general/2015-02-16\\_g\\_f\\_fuscipes\\_pandas\\_import.ipynb](#)
- 

# 5 2015-03-12 (Thursday)

## 5.1 ddrad58

### 5.1.1 BEAST

- [2015-03-12] conversation with Aris
- [wont do] write up conversation with Aris for GisellaC and get clearance to proceed.
  - meeting with GisellaC and Aris tomorrow at 11
- [!] Convert BAMs to NEXSUS
  - waiting to hear back from admins about getting permissions to AndreaG's BAMs
- [ ] BEAST configuration
- [ ] attempt BEAST run

### 5.1.2 Linkage disequilibrium thresholds for SNP-pairs

- [2015-03-12] set up and yield models
- [2015-03-12] take model and return parameters
- [2015-03-12] take parameters and df and set value for each SNP-pair's probability ( $1 - \text{CDF}$ )
- [2015-03-12] take df and set value for each SNP-pair's BH corrected probability

## 5.2 RobertO's MicroSat

- [ ] Get 3 more villages' samples ready for legs and extraction

## 5.3 Positive recovery

- [ ] tell GisellaC and KirstinD how many dissections to expect in next weeks
  - [2015-03-12] start project notebook
    - file at: [positives\\_recovery.md](#)
- 

# 6 2015-03-13 (Friday)

## 6.1 ddrad58

### 6.1.1 BEAST

- [ ] meeting with GisellaC and Aris at 11
- [!] Convert BAMs to NEXSUS
  - [2015-03-12] waiting to hear back from admins about getting permissions to AndreaG's BAMs
- [ ] BEAST configuration
- [ ] attempt BEAST run

### 6.1.2 Linkage disequilibrium thresholds for SNP-pairs

- [ ] see if it make since to deal with the bins that wont **MAP** correctly
  - [ ] examine the MCMCs of a few and see if they converged and are therefore possibly useful to us

## 6.2 RobertO's MicroSat

- [ ] Get 3 more villages' samples ready for legs and extraction

### 6.3 Positive recovery

- [ ] tell GisellaC and KirstinD how many dissections to expect in next weeks

## 7 2015-03-17 (Tuesday)

### 7.1 Samples for RNA

Village ID	Tissue Types	RNA-solution	Approx No of Tubes
OLO	H, Mg	RNA-stable	15 - 20
GOR	H, Mg	RNA-stable	35
OD	H	RNA-later	15
OD	Mg	RNA-later	15
UWA	H, Mg	RNA-stable	40
OCA	Mg	RNA-later	6
OCA	H	RNA-stable	6