Daily Records

Caccone PostDoc

Gus Dunn

March, 2015

# 2015-03-04 (Wednesday)

## Robert’s MicroSat Project

* add new december excel data [[DEC\_2014\_survey.xls](file:///home/gus/Dropbox/uganda_data/2014_Dec_new/DEC_2014_survey.xls)] to
  + [ ] [uganda\_traps\_gps.csv](file:///home/gus/Dropbox/uganda_data/data_repos/field_data/locations/gps/traps/uganda_traps_gps.csv)
  + [DONE] [uganda\_village\_id\_map.csv](file:///home/gus/Dropbox/uganda_data/data_repos/field_data/locations/names/uganda_village_id_map.csv)
* [ ] re-generate [uganda\_villages\_gps.csv](file:///home/gus/Dropbox/uganda_data/data_repos/field_data/locations/gps/villages/uganda_villages_gps.csv) with  
  [2015-02-03\_deduce\_village\_GPS\_coords\_from\_mean\_trap\_coords.ipynb](file:///home/gus/Dropbox/repos/git/ipy_notebooks/YALE/maps_stuff/2015-02-03_deduce_village_GPS_coords_from_mean_trap_coords.ipynb)
* [ ] create new signed tag for the git repo

### **[ERRORS]** in collection sheets

* [DEC\_2014\_survey\_for\_pandas.xlsx](file:///home/gus/Dropbox/uganda_data/2014_Dec_new/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

# 2015-03-05 (Thursday)

## *Glossina* meeting with Kenya folks

### My talk topics

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

# 2015-03-06 (Friday)

## ddrad58

* worked on scaled Beta dist learning of distributions
* calculated and sent back Hardy-Weinberg equilibrium FDRs to AndreaG

## RobertO’s MicroSat

* must re-build map stuff

### Villages for leg extraction

* see project notes: [ddrad58.md](file:///home/gus/Dropbox/repos/git/markdown-docs/notes/projects/ddrad58/ddrad58.md)

# 2015-03-11 (Wednesday)

## ddrad58

* see project notes: [ddrad58.md](file:///home/gus/Dropbox/repos/git/markdown-docs/notes/projects/ddrad58/ddrad58.md)

## RobertO’s MicroSat

* see project notes: [roberts\_microsats.md](file:///home/gus/Dropbox/repos/git/markdown-docs/notes/projects/roberts_microsats/roberts_microsats.md)

## 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](file:///home/gus/Dropbox/repos/git/ipy_notebooks/YALE/g_f_fuscipes_general/2015-02-16_g_f_fuscipes_pandas_import.ipynb)

# 2015-03-12 (Thursday)

## ddrad58

### 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

### 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 ()
* [2015-03-12] take df and set value for each SNP-pair’s BH corrected probability

## RobertO’s MicroSat

* [ ] Get 3 more villages’ samples ready for legs and extraction

## 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](file:///home/gus/Dropbox/repos/git/markdown-docs/notes/projects/positives_recovery/positives_recovery.md)

# 2015-03-13 (Friday)

## ddrad58

### 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

### 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

## RobertO’s MicroSat

* [ ] Get 3 more villages’ samples ready for legs and extraction

## Positive recovery

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

# 2015-03-17 (Tuesday)

## 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 |