Daily Records

Caccone PostDoc

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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

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 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	Н	RNA-stable	6