

**Jan 5**

**New for 2015 -going to Github issues for labmeeting stuff**

**Dec 15**

CLC lic

Seq Data - Batterbox

Sustainability Fund Project

RAD libraries

- data QC

- data - <http://goo.gl/GRk993>

Next up?

Oyster Bay Y1 end

BS libraries

LSU - OA

Papers

oyster - peerJ

Katie

Geoducks

<http://arcturuslabs.com/index.php?page=store>

Oyster Repro

**Dec 1**

BS libraries

Tues Repro - class

Software Carpentry

bioinformatics class

Paper in the works

**NOV 5**

**What is this?**



labsprint

keys

Insurance

Can we get nanodrop on new computer?

updates

**October 28th**

fu

backup

locked doors

labsprint

Oly library

**October 20**

fu

backup

-Oly lib online

-Joelle?

-Oly Paper

-Wil

-<https://uw.useed.net/>

Benoit

-fish441 western ordering, exam

## October 13

fu

azure plan

Benoit

fix Jonathan notebook

## NExt

fu -

**backup**

notebooks <http://onsnetwork.org/eimd/category/notebook/>

Donal Manahan Oct 23

lab sprint papers - schued

-- **time** zotero sr320

<http://www.papersapp.com/online/>

## Student PHOTOS - UNDERGRADUATE

546 · [12 months of Azure services](#) for educators, HED and K-12, wanting to use Azure in their curricula. Educators can request 6-month passes for the students in those classes. Providing resources to faculty and students for “on-demand infrastructure” scenarios.

· Microsoft Research is now offering the Academic community free use of the new Machine Learning technology. There are a limited number of awards available to both researchers and students. Details: [http://research.microsoft.com/en-us/projects/azure/ml.aspx?WT.mc\\_id=Blog\\_MachLearn\\_General\\_DI](http://research.microsoft.com/en-us/projects/azure/ml.aspx?WT.mc_id=Blog_MachLearn_General_DI)

OLY outreach - ?  
OLY samples for RAD  
Benoit

## 2015 Undergraduate Marine Resource Population Dynamics Workshop - All Expenses Paid to the Florida Keys

### Sept 29

fu

talks

oly paper

backup update

eagle gone wild - I seem to be booted off - maybe move?

Alarms when power out?

oyster samples - 80

pipet volume / fish441

small projects - Joelle

lab sprint - monthly

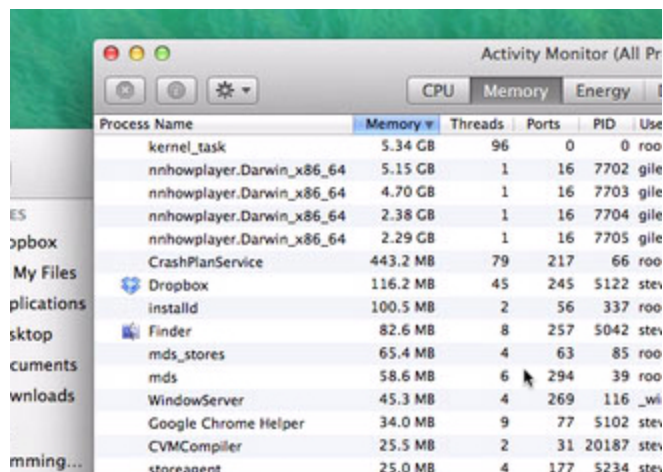
comm slack,

Papers, Papers (evernote?) Zotero

notebooks

shellfish genomics workshop

wu



| Process Name              | Memory   | Threads | Ports | PID   | Use  |
|---------------------------|----------|---------|-------|-------|------|
| kernel_task               | 5.34 GB  | 96      | 0     | 0     | root |
| nnhowplayer.Darwin_x86_64 | 5.15 GB  | 1       | 16    | 7702  | gile |
| nnhowplayer.Darwin_x86_64 | 4.70 GB  | 1       | 16    | 7703  | gile |
| nnhowplayer.Darwin_x86_64 | 2.38 GB  | 1       | 16    | 7704  | gile |
| nnhowplayer.Darwin_x86_64 | 2.29 GB  | 1       | 16    | 7705  | gile |
| CrashPlanService          | 443.2 MB | 79      | 217   | 66    | root |
| Dropbox                   | 116.2 MB | 45      | 245   | 5122  | stev |
| installld                 | 100.5 MB | 2       | 56    | 337   | root |
| Finder                    | 82.6 MB  | 8       | 257   | 5042  | stev |
| mds_stores                | 65.4 MB  | 4       | 63    | 85    | root |
| mds                       | 58.6 MB  | 6       | 294   | 39    | root |
| WindowServer              | 45.3 MB  | 4       | 269   | 116   | _wi  |
| Google Chrome Helper      | 34.0 MB  | 9       | 77    | 5102  | stev |
| CVMCompiler               | 25.5 MB  | 2       | 31    | 20187 | stev |
| storeagent                | 25.0 MB  | 4       | 177   | 5234  | stev |

**Sept 23**

clean up fu

Joelle

paper talks in future ie -

<http://www.ploscompbiol.org/article/info%3Adoi%2F10.1371%2Fjournal.pcbi.1003833>

fast Glacier

**Sept 15**

[https://plus.google.com/hangouts/\\_/hoaevent/AP36tYcl-it5oFnld\\_gNY0gaDINSc3waydGAtr1No1w7neBGMbkeVQ](https://plus.google.com/hangouts/_/hoaevent/AP36tYcl-it5oFnld_gNY0gaDINSc3waydGAtr1No1w7neBGMbkeVQ)

fu

[clean up](#)

Claire / Jake backup? - url

decomm aquacul4 loud-

alarms

resched Lab Meetings

anyone taken bio220?

Incubation [proposal](#) - 18th - lead up to workshop?

wu

- talk outlines

- oyster larvae

Camera issues

**Sept 8**

new initiative/hackathon - Clean-up: backup - Thursday

- space
- move practice talks
- <http://data.washington.edu/incubator>
- fu - not listed on green lab page
- cvirg- bs library kits
- audio test
- wu

### Sept 3

Green Lab

Aquacul4

Temp Logger

Friday Talk

tommorow [Jerome La Peyre](#)

Lotterhos samples

| A              | B     | C   | D       | E           | F         | G                 | H        | I                                                                 |
|----------------|-------|-----|---------|-------------|-----------|-------------------|----------|-------------------------------------------------------------------|
| Name           | Block | Day | Trt     | ul RNAlater | approx. # | larvae or embryos | Date     | Notes                                                             |
| B1_d00         | B1    | 0   | t0      | NA          | >10,000   | embryos           | 20140713 | amount of RNAlater added not recorded                             |
| B1_d06_400     | B1    | 6   | 400ppm  | 400         | 1120      | larvae            | 20140719 |                                                                   |
| B1_d06_1500    | B1    | 6   | 1500ppm | 400         | 1062      | larvae            | 20140719 |                                                                   |
| B4_d00_S1      | B4    | 0   | t0      | 400         | 40,000    | embryos           | 20140717 | 1.5mL tube: was comparing spin-down and ability to suck off water |
| B4_d00_S2      | B4    | 0   | t0      | 400         | 40,000    | embryos           | 20140717 | 0.5mL tube: was comparing spin-down and ability to suck off water |
| B4_d05_400     | B4    | 5   | 400ppm  | 800         | 160       | larvae            | 20140722 |                                                                   |
| B4_d05_1500_S1 | B4    | 5   | 1500ppm | 800         | 200       | larvae            | 20140722 |                                                                   |
| B4_d05_1500_S2 | B4    | 6   | 1500ppm | 800         | 1000      | larvae            | 20140723 | mislabelled: should be d06                                        |
| B5_d00         | B5    | 0   | t0      | 400         | 40,000    | embryos           | 20140718 |                                                                   |
| B5_d05_1500    | B5    | 5   | 1500ppm | 800         | 400       | larvae            | 20140723 |                                                                   |
| B6_d00         | B6    | 0   | t0      | 400         | 40,000    | embryos           | 20140720 |                                                                   |
| B6_d03_400     | B6    | 3   | 400ppm  | 800         | 270       | larvae            | 20140723 | successive rinses with autoclaved seawater                        |
| B6_d03_1500    | B6    | 3   | 1500ppm | 800         | 300       | larvae            | 20140723 | successive rinses with autoclaved seawater                        |
|                |       |     |         |             |           |                   |          |                                                                   |
|                |       |     |         |             |           |                   |          |                                                                   |
|                |       |     |         |             |           |                   |          |                                                                   |

software carpentry

Crashplan

You can continue to back up to your own computers and hard drives or friends' computers for free. Files you have backed up to those destinations will remain available for you to restore.

Here are the computers that will be affected when your CrashPlan+ subscription ends:

| COMPUTER                | FILES   | SIZE    | BACKED UP | LAST BACKUP |
|-------------------------|---------|---------|-----------|-------------|
| greenbird               | 520,700 | 1.1TB   | 100%      | 4 mins      |
| BrentLab                | -       | -       | -         | -           |
| Crassostrea             | 92,926  | 17.6GB  | 99%       | 14 mins     |
| genefish                | 381,602 | 275.7GB | 100%      | 14 mins     |
| aquacul4                | 25,414  | 379.1GB | 100%      | 77.4 days   |
| hummingbird             | 217,780 | 70.7GB  | 100%      | 7.3 mon     |
| AQUACUL8                | 614     | 368.4MB | 100%      | 7 hrs       |
| Pink Flamingo           | 19,526  | 30.5GB  | 100%      | 1.9 yrs     |
| roberts.sbr@gmail.co... | -       | -       | -         | -           |
| purplepelican           | 14,629  | 23.8GB  | 60%       | 2 yrs       |
| crashplan               | -       | -       | -         | -           |
| crashplan               | -       | -       | -         | -           |

papers

<https://www.scienceexchange.com/services/rna-sequencing>

**August 25**

Oly Budget

larvae

**AUGUST 18**

dropbox on

Ve see that you're running an old versi  
omputer, 'mini 209'. We regularly rele:  
dditional features, better performance

Graham  
Papers  
larvae  
Libraries  
TE paper

### **August 11**

Tues plan with Sammi  
Jake - Figures -  
Claire - Comm Meeting - figure  
LOI today  
Mac - table, raw data.

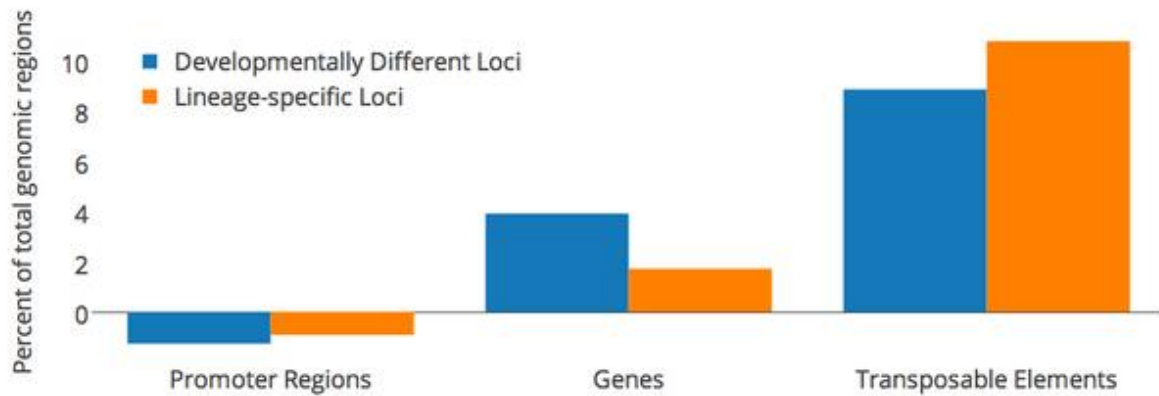


Figure X. Proportion of differentially methylated loci within defined regions of the oyster genome (Promoter Regions, Genes, Transposable Elements). Genomic regions are shown as percentages according to their relative CpG contribution to the genome. Percent contributions of regions are shown as the difference in proportion of DMLs and all CpGs located within a genomic region (e.g. Proportion of lineage-specific loci located in promoter regions - proportion of all CpGs located within genomic regions). DMLs during oyster development were enriched in TEs relative to all CpGs in the oyster genome.

## July 28

undergrad blog post  
 sending larvae up  
 deseq2  
 noaa proposal

## July 21

fu  
 get links to ALL NCBI

Meeting going fwd  
 Hummingbird / battery  
 papers

**July 14**

**[https://plus.google.com/hangouts/\\_/hoaevent/AP36tYcOsDBKZ2R\\_1dGlcqx-uCAg4lqYsel7ZebK1sBwukGWzA-AQQ](https://plus.google.com/hangouts/_/hoaevent/AP36tYcOsDBKZ2R_1dGlcqx-uCAg4lqYsel7ZebK1sBwukGWzA-AQQ)**

get links to ALL NCBI  
Claire- RNA-seq libraries

priority of oly seq  
Write, Write

Notebooks, Notebooks, Notebooks - one stop  
avg and stdev (row based) in bash, R

**C1 C2 C3 C4 c5**  
**A 10 5 7.5 sd10;5**

**R command**  
**Use apply command**

**apply(data[, c(columnnums)], MARGIN=1, FUN=mean)**  
**apply(data[, c(columnnums)], MARGIN=1, FUN=sd)**

**where columnnums are a list of columns you want it to use ie: 2,3,etc**

**Then to save results**

**data\$means <- apply(data[, c(columnnums)], MARGIN=2, FUN=mean)**  
**data\$sds <- apply(data[, c(columnnums)], MARGIN=2, FUN=sd)**

**July 7**

Annotate  
Seastar annotation \ DD  
Paperwork

## June 30

[https://plus.google.com/hangouts/\\_/hoaevent/AP36tYd9y-Pml5kuRQ-MtEybhPeakvG2kVkEkZAk6ef-xOFyxAymzg](https://plus.google.com/hangouts/_/hoaevent/AP36tYd9y-Pml5kuRQ-MtEybhPeakvG2kVkEkZAk6ef-xOFyxAymzg)  
evo2014 recap - ncRNA  
gene interaction - protein

Meeting Timing - summer

new person paper work - <http://genefish.wikispaces.com/IPUS>  
wu

random  
trinotate  
violin plots  
oly data priority  
non

srfu

## June 23

hackathon - status - whats next.

Trapnell talk

Oyster OA (Bamfield) what to do?

OA oyster FHL - getting oysters this week.  
Samling

Salmon Senescence

-brain, head kidney, liver from each fish.  
-after euthanasia, dissections time took <10 minutes before samples were put in liquid nitrogen.  
-samples now stored at -80C  
-sample size is 50. All are females.  
-females vary in their maturity status: skiens intact but fish still silver; skiens intact and fish red; red, eggs loose. The silver fish were sampled early in the run (they would have spawned late). The red fish were samples early in the run and then about one week later.

array data

Yanouk's data

Oly chat tomorrow - metrics

1 pm

email CF

Seastar status = Giles has assembly

```
#####  
## Counts of transcripts, etc.  
#####  
Total trinity 'genes': 117729  
Total trinity transcripts: 145222  
Percent GC: 40.87
```

```
#####  
Stats based on ALL transcript contigs:  
#####
```

```
Contig N10: 3392  
Contig N20: 2262  
Contig N30: 1685  
Contig N40: 1268  
Contig N50: 946
```

```
Median contig length: 335  
Average contig: 617.51  
Total assembled bases: 89676218
```

```
#####  
## Stats based on ONLY LONGEST ISOFORM per 'GENE':  
#####
```

```
Contig N10: 3252  
Contig N20: 2047  
Contig N30: 1465  
Contig N40: 1065  
Contig N50: 767
```

Median contig length: 305  
Average contig: 547.96  
Total assembled bases: 64511364

```
#!/bin/bash
```

```
TRIN="/home/ggoetz/compile/trinityrnaseq_r20140413p1"
```

```
export PATH=~/.compile/rsem-1.2.3/sam:${PATH}
```

```
${TRIN}/Trinity \  
  --seqType fq \  
  --JM 44G \  
  --left left.fq \  
  --right right.fq \  
  --CPU 6 \  
  --normalize_reads \  
  --min_kmer_cov 2 \  
  --quality_trimming_params \  
  "LEADING:5 TRAILING:5 SLIDINGWINDOW:4:15 MINLENGTH:36"
```

WU

<http://trinotate.sourceforge.net/>

Oyster Proteomic

**June 17**

Katie

Thursday -

Keys, sign

Capstone

Teaching Statements -> Blog

Downtown update

Seastar assembly, Giles, -sam(iplant - <http://goo.gl/EO2Wu2>)

Hutch prep

Hack-a-thon - (work off scratch gdocs)

wu

Oyster Proteomics

**June 10**

Keys, sign

under grads? Rachel, Dezmond

230

Ecology DERBY

Senescence

1st hackathon

` cleaning oyster data

` notebooks

` backup

`

Array Meeting - next Wednesday ???

RRF -a 12-month budget period that you would like for your award; budgets must begin on either the 1st or the 16th of the month.

OCTOBER 2014

**GOALS**

Capstone timeline - urls for proposals. paper, presentation

Jessica Blanchette - Pacific Geoduck development

Proposal: <http://goo.gl/JBq4ny>

Presentation: <http://goo.gl/z4qcDQ>

Paper: <http://goo.gl/z7XUSX>

Notebook: <https://genefish.wikispaces.com/Jessica%27s+Notebook>

FISH310 Closeout

**June 2**

waterbath?

time backup

keys

Jake practice

Capstone presentations

**May 26**

Pooled larvae exp - how best to preserve for RNA-seq

Oyster Proteomics /

Etilelet starts

Hack-a-thon

key bracelets

We're starting to work on the latest newsletter and need input on any awards or honors (ie. scholarships, fellowships, best paper/presentation/poster at a conference, etc.) your students may have received in the last few months. If you have any new awards/honors to report, please respond by May 30 with the following:

Student name:

Conference/Event:

Location:

Month/Year of honor:

Award/Honor title:

Paper/presentation title:

## **May 19**

fu

notebook updates in real-time

MGates

QDLer (querying disparate lab e-resources) - wiki vs. qdod vs. oystergen.es vs. eagle +1

- **all in one folder- on eagle**

Manchester dedication deets?

wu

oly DNA extractions

galaxy

## **May 12**

**<https://plus.google.com/events/cvhi8ne4pputtp6p6f5nqargv10>**

MGates

capstone papers

power

unseminar

fish310

## **May 5**

**<https://plus.google.com/events/cnkee59c3dkjft0oaeoarcac0qs>**

Awards!

slidedecks

tech check Friday

organization - lab

Consolidateing Oly oyster reporting

plates

capstone papers

wu

## **April 28**

linkout <https://plus.google.com/events/c2cld8d7pinr8hiap57mfb4p6o8>

Lab cart?- teaching cart

Primer Database - Fix primer names before ordering (Jessica?)

clean up calendar

pub-a-thon

Capstones

2 Methods

9 Results

16 Discussion

23 Intro

30 Abstract / Complete

68TH ANNUAL SHELLFISH CONFERENCE & TRADESHOW

arrays

*Plates*

Claire- **proposal, larvae manuscript,**

Mac- practice talk? >1:30

Giles- Summary of pipeline > <https://code.google.com/p/ngsplot/>

Jake-

FISH310; slides, self-eval,

**April 14**

pub-a-thon

Jake - stats mortality

stats growth rate

Discussion - start with Mortality at Dabob

2- difference in population (mortality)

todo imageJ, dead counts, DNA init

**April 7**

New date-time

pub-a-thon  
fish310  
wu  
Solo sampling at Dabob (Jake)

#### **April 1**

pub-a-thon results  
Hutch invoicing  
fish310 Friday Meeting  
fish310 Credit hours  
New time-When is good bxgcwmg  
bxgcwmg  
TriReagent RT - Probably Halley?  
removing adaptors  
Sampling

#### **March 24**

pub-a-thon - Methods should be done ....  
Oly rehearsal  
traps  
Oly Report  
Larvae data Tuesday  
NSF report  
Sequencing plan  
Fish310 - what if late in lab- miss? - syllabus

#### **March 18th**

##### **fu**

Can I find chems  
State of project - March 26th  
Capstone budget  
traps  
310  
safety  
tool thing??  
sequencing  
tips for Jessica RNA isolation

Lab organization

<iframe width="420" height="315" src="http://www.youtube.com/embed/cqSCDycc6gE" frameborder="0" allowfullscreen></iframe>

**notebook solutions**

**general everything - consolidation.....**

Seastarvsamples

**Pub-a-thon**

Wrapping up Methods

## **MARCH 10**

Can I find chems

State of project - March 26th

**Capstone budget**

- Dna treatment
- cDNA
- qPCR

**March - spawning larvae**

**10 points for best methods of the week.**

## **MARCH 3**

nice job Hannah...

State of the Project meeting

- later in March

Capstone Grading Rubrics

- Hours

- blog

- Keeping up with pub-a-thon

Fish310

Pubathon

options for writing ----

md / github / authorea / google docs / <https://draftin.com/>

google doc links

!!!goal this week - workable methods

Sequencing update

USDA

EH&S

The Time Backup task on Eagle has failed. Please check the package log for further information.

Task: eagle\_web

Version: 20140304-1200

Destination: Albatross(128.95.149.83)

Shared folder: NetBackup

any wu

**February 24**

**signs**

Print poster

## **Mary Gates Abstracts**

This is a really rough draft but this is what I have so far:

Recovery of the Pacific Northwest native Olympia oyster (*Ostrea lurida*) population after a near-collapse in the industry has been slowed due to several factors. Though no longer the prominent oyster along the west coast of North America, the Olympia oyster remains an important commercial, cultural, and ecological species. Effective conservation efforts are dependent on understanding the oyster's physiology and distribution. Establishing detailed genomic resources is crucial to enhance effective management of the Olympia oyster. This study aims to extend existing research on the Olympia oyster transcriptome by characterizing the gonadal transcriptomes male and female oysters. Resulting contig sequences were compared with ProtKB/Swiss-prot database and further annotated with Gene Ontology associations. Furthermore potential genetic markers were identified. These resources add to genomic tools available for future conservation of *Ostrea lurida* and provide novel insight into reproductive function in bivalves.

(Hannah)

**USDA LOI**

**Roy Research**

**WU**

## February 16

Notebooks in very good Shape

- maybe preview talk
- big slide

Shellfish meeting

\*25% off 5-methylcytosine antibody; do we need more?\*

Epigentek has a sale until the end of March on all 5-mC and 5-hmC antibodies. What's the status on these? Do we need/want more?

Terry King

Washing SG Shellfish

Sampling

RNA-seq status

methylation seq status

USDA

Reminder: Use caution when moving files/folders in Eagle/web folder; potential for broken notebook links

**Hannah**



**Giles Goetz**

1:32 PM

do a search like  
`data[is.na(data[,column]), ]`  
can just replace then  
`data[is.na(data[,column]), ] <- 0`

## **February 10th**

Peer TA - Jessica Katie Charles- Ask- Kerry -

key rack; key key hidden

Genewiz; <http://allseq.com/>

Pacbio

Jessica TRI - reagent

pumps for Charles project - quantity? budget?

eagle "web" folder is only data that is backed up to owl; don't know if other data is backed up via Crashplan

two-factor authentication on eagle works (time setting was wrong)

WU

Jake- draft paper; next Sampling

Giles- Ipython on hummingbird, Trinity and shell

usr/

## **February 4th**

key rack; key key hidden

Supported in part by the University of Washington eScience Institute.

auth support broken on eagle

Broken admin

verify backup

Data thing Friday

Health and Safety Inspection

Updates

Capstones now purchase through Greg.

end of lab meeting fun: <http://www.iibjab.com/view/chmMymvfv9rVx6Qyf7EA>

**<iframe width="420" height="315" src="http://www.youtube.com/embed/94izREk0w84" frameborder="0" allowfullscreen></iframe>**

***capstone - research station***

***fish310 field trips***

***Jan 27***

***Lab meeting***

Wednesday

shells in hood

- draft

- qpcr

Charles

Hannah

Jessica

IPUS -- blog

Libraries? Claire - Yanouk

RNAseq

Arrays

Abstract

Notebook audit

Move qPCR

Hummingbird CLC - pipeline

RNA-seq - tophat - vs

better web index...?

10-year review: meetings with the review committee

***Jan 21***

***emma -***

My Chem and Caution Sign

Royalty Research

Mass Arrayo meet Thursday morning or Friday morning, anytime up until about 11:30 AM-would either day work for you?

Marine Genome Project - submission

Data Symposium

Claire Paper

Claire array design input

oly outing

status of clean up

Move qPCR machine

copper water

updated on bad libraries

**Jan 16**

Migrate Crassostreome to Eagle? ->qDOD

- getting stuff off aquacul4

OA page

eagle backup

plan for tomorrow

- aquacul 4
- eagle backup
- shell storage
- Jake space
- whiteboard
- field gear
- moving qPCR
- Moving Emmas samples
- -80 organizer - bottom shelf FREW
- 441 clean up
- 20 other building
- Claire's -80
- Cold Room 441
- Remove Copper Water - Call ehs (Jon Wittouck)
- hoods are crappy
- fix computer next door.

G+

Charles

Oyster sampling

**Update on bad libraries**

Things I like

**q**

wu

### ***Jan 6***

pre-show

fish promoter methylation

Goals

- clean /organize Jan 17

strand-specific sequencing - giles

Arrays

Lake Trout exon skipping

Lab Notebook AUDITS

NEXT WEEK- EMMA

fish546

Calendar Giveaway - Trudy

Oly microsat data

hummingbird- drive, ipython,

GooglePlus notifications

fish promoter methylation

RNA-seq libraries? bad ones

<http://www.ecy.wa.gov/apps/eap/marinewq/mwdataset.asp>

Purchasing

ssd

Drive for hummingbird

?

wu

Things I like

[https://www.authorea.com/users/3/articles/3904/\\_show\\_article](https://www.authorea.com/users/3/articles/3904/_show_article)

***afterdark***

***DEC 16***

*pre-show*

**fu**

New year

- clean /organize - wb, computers, space
- lab meetings time..

strand-specific sequencing - giles

sperm gill - what else with libraries

Fail jar

FISH546 - format

Arrays

IPython

AUTOMOUNT eagle genefish

**Lake Trout exon skipping**

USDA RFP

Lab Notebook AUDITS

embed pics for Jake

**WU**

**Main**

Yanouk

afterdark

***DEC 9***

pre-show

new

FISH546 enroll

- Jake @ [http://faculty.washington.edu/sr320/?page\\_id=505](http://faculty.washington.edu/sr320/?page_id=505)

FU

Goals?

Salish Sea Conference

Oly Microsats

**Arrays heatshock**

Is this complete:

<https://oystergenes.squarespace.com/blog/2013/11/7/roberts-lab-pacific-oyster-hts-data-sets>

**- sr Check File names**

OA proposal

nanosting data

***vincozlin experiment***

undergrad status

Lab Meeting- next

Oyster SRA data

Giles's Pipeline

**IPython**

**AUTOMOUNT eagle genefish**

**Lake Trout exon skipping**

**Main**

WU

**DEC 2**

pre-show

new

-CLC

-next day primer order deadline

FU

-status of eagle disk space

-briefings manuscript

-glycogen samples

-Oly Fish441 results

WU

- microarray 50 genes CGI

- excel -stat plugin <http://www.xlstat.com/en/>

-

afterdark

**NOV 25**

**FU**

**-logistics**

-fish441

- LAB

-TODAY - Need to schedule presentations MWF

-oly; software Dec.

-NPRB

-shipping

-gss

-histo slides

**WU**

**NOve 18**

**FU**

- Jake's qPCR experiment

- Oly oyster - Manchester

- fish441

- NPRB compare multiple sites/ methods text

**WU**

**November 4**

## FU

- nanostring
- Triploid huitres epigenetics and local adaptation
- fish441
  - lab
  - this week
- Hindsight- clam NOAA guys were out last week.
- olyo
- Yannouk
  - ipython
  - scaphapoda
  - bsmmap
  - methratio
  -

## WU

## NOAA

## Main

### Array

## November 4

## Fu

- **Goals**
- pipeline
- Yanouk

## More

- fish441
  - 2-D

- bacteria
  - ?
- oly
  - hobo softwar
  -

WU

Set up for FISH441 chat (10:15am)

October 28

FU

- Monitor Requests
- Review Approve Plan - [here](#)
- <http://www.ploscompbiol.org/article/info:doi/10.1371/journal.pcbi.1003285>
- **Goals**
- Glycogen Assay

more

- Lab meetings November - plan?
  - Sam -
  - nanostring/microarray
  -
- TIM - C-next, J, B (1:30 Jake- 11:30 Brent)
- eagle
  - [web](#)
  - [archive](#)

WU

## October 21

- Methylation and sequence mutation - something for Claire to consider
- Create phylo tree of organisms we work with
- Ideas for genome wide methylation comparison a la Naish talk
- <https://github.com/mojones/AfterParty2/wiki>
- Valid option going fwd? <http://www.epigeneticsandchromatin.com/content/6/1/33/abstract>
- Draft Data Management Plan  
[https://docs.google.com/document/d/1U\\_IJ2W8swFPC8XOUq7wlAehUx1ANr-DLRI9XKMPYug8/edit?usp=sharing](https://docs.google.com/document/d/1U_IJ2W8swFPC8XOUq7wlAehUx1ANr-DLRI9XKMPYug8/edit?usp=sharing)

Field stuff

Q\_PCR

wu

## October 14

GSS

<https://www.google.com/cse/publicurl?cx=002169356954463675709:hybv9btvsck>

Goals

Notebook

Brent effort October

Sampling next week

qdod spreadsheet.

[https://docs.google.com/spreadsheet/ccc?key=0AmS\\_90rPaQMzdHVseUVadTJDTW9VUnN3c09jazBkTWc&usp=sharing](https://docs.google.com/spreadsheet/ccc?key=0AmS_90rPaQMzdHVseUVadTJDTW9VUnN3c09jazBkTWc&usp=sharing)

peerj

WU

**October**

Steven - Yanouks samples

Goals!!!!!!

ONS

<http://bridgeslab.uthsc.edu/data-resource-sharing>

Co / yaounde

Samples

**Sept 30**

time/day for lab meeting: Monday 9am

bring sticker next time

**Sept 23**

improving sound quality during lab meeting

"Forgotten" data sets (e.g. C-Dogg Geneious)

Facebook Steven fu

TWIF ?

<http://bridgeslab.uthsc.edu/data-resource-sharing>

open nb / internal

(emma)

Clean

Wet room

Glycogen assays

blast 2.8 top

Giles uses default

check other arguments

contamination pipeline

wu

## **Sept 17**

Yanouk

computers from lab

Bradley's paper

ONS

co practice talk

Contamination pipeline

albatross dns

Notebook talk

what's the best way to display pathways?

wu

## **September 9th**

-schedule oly meeting

-Central Puget Sound location?

-grants

-albatross

Clean

Bs Sanger

-Mendeley

Giles: gene isoform clustering ?

Assembly?

**Reschedule next weeks lab meetin/  
reschedule quarter?**

Paper management - Bibsonomy, Pocket (ReadItLater)

**wu**

**September 4th**

**fu**

grants

**any general**

**wu**

**August 26**

fu

last week

40 individuals want methylation profiles on ~4k gene  
Pyromark

Pacbio target

CE samples BS  
other libraries

Oly meeting

wu

## **August 19**

Discussion- how do you find, read, and store relevant scientific literature?

Sam- NCBI search, subscriptions  
-mendelay (tags, keywords, and folders with group sharing), citations

Steven- Set up saved search in NCBI/pubmed, create an RSS feed and modify in feedly

Emma- similar as above, journal subscriptions, not a fan of google subscriptions, OA blog (helpful!), google scholar when writing manuscripts, Diigo (storage) with "TO READ" tag to keep track of papers

Claire- Delicious

Note taking: on computer  
evernote- edit papers in Skitch then PDF in evernote

## **August 12**

Pub-a-thon

Science Day

other stuff this week

fu

Get all libraries

blog posts

next unseminar

## August 5

record

Brainstorm - Notebook "projects" labeling/organization? Magical linking

<http://onsnetwork.org>

- site search,

methylation site: <https://www.evernote.com/pub/sr320/lab> OR site: [genefish.wikispaces.com](http://genefish.wikispaces.com) OR

site: [http://sr320.github.io/ipython\\_nb/](http://sr320.github.io/ipython_nb/)

Notebooks

Pros

Cons

Impediments

Mac

Wiki - Wet

Evernote - Bioinformat

Sam

Game: wheel of focus (<http://cwww.random.org/dice/>)uinu

Hackyourphd

--

Onseries-

Who were at past meetings?

Emma

Trevor

CF

Emma Hogsson

Lauri halibut

--

Brook

Sara Bender  
Gweyn Hennon

-

fu

Get all libraries

blog posts

next unseminar

-

BBQ

August 13 all day

-

Oly oyster planting

-

Case study / proteome

-

Jake / apartment hunting

-

Facebook effort

--

emma files

giles

-----

**July 29**

Olympia meeting / transplant

Oyster genomic tracks

ETS workflow

Larvae Samples

4 male 1 female

2 day

4day

eggs

sperm 1male

larvae (2day) 1male

larvae (5day) 1male

sperm 3male

larvae (2day) 3male

larvae (5day) 3male

august 26 4pm Summer Intern Presentation  
FSH

bandaids

others doing

fu

Get all libraries

blog posts

next unseminar

Adam le

quetish lab

eagle back-up

-----

**July 22**

record

fu

Get all libraries

blog posts

**July 15**

Record

TWIF

**fu**

printer is not responding

easiest file transfer - google drive. UW

safsoa.wp - other

blog posts

notebooks

pub-a-hton

Get all libraries

geneiousc licenses

pacbio conversion; conversion

RNA-seq data

arrays

BBQ - <http://www.doodle.com/32d5rr9v5qcdt49i>

royalty

pu

what's going on

next big thing

-----

**July 8**

Record

Hot chickens  
fu emails re GIA...

fu  
ONuSeminar? -- Calendar  
Fridge alarm  
Linux box  
- PacBio (send Giles Email)

SUCIT  
Pu  
blog posts  
facebook  
geneiousc licenses  
array update

Pub-a-thon  
- Oly  
- cg

moving announcement to just calendar only

Solve this:

Pump

**bbq**

-

**TWIF**

----

**July 3rd**

Intros - what's going on  
Mac - DNA Methylation, nanostring

Jessica - Slides OA  
Charles - Epigenetics PCR  
Brent - Transplanting oysters, adaptation  
Summer Interns..  
Ahmed shellfish  
Etile shellfish  
Maighread biodiversity  
Maddy biodiversity  
<http://citizenscienceresearch.wikispaces.com/home>  
August 26th research symp  
Emma- paper  
Claire- methylation

fu  
Megan.

OA Open Notebook -  
Trevor Branch  
Friedman  
Emma 2- modelling fish pops

Open Notebook Series - This Month?  
Proteome Big Data

Lab meeting times in summer  
10am Mondays

Recording Lab Meetings

Planning for Pub-a-thon  
Goal - papers out by August 15th.  
katie-

pu / G+? (anyone missing)  
French Student  
blog posting  
EMAIL

Facebook Page  
More PHOTOS  
mvsg  
auburn  
GIVE ADMIN Privalges

fridge alarm  
change Outet / get battery

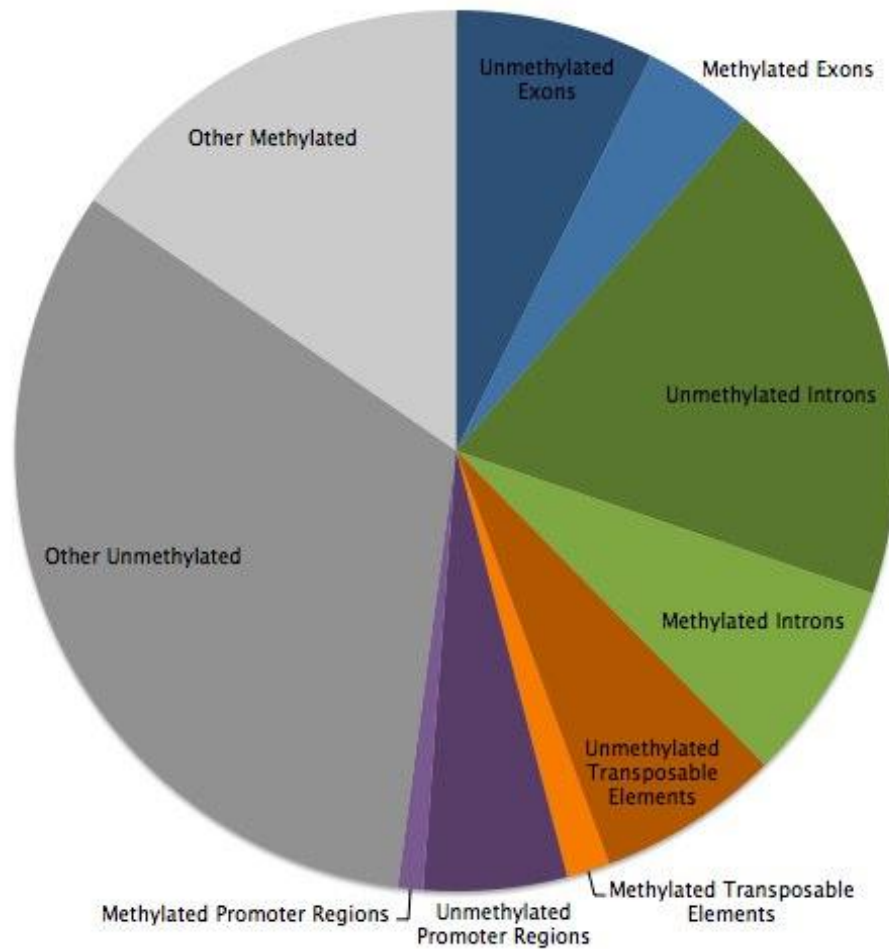
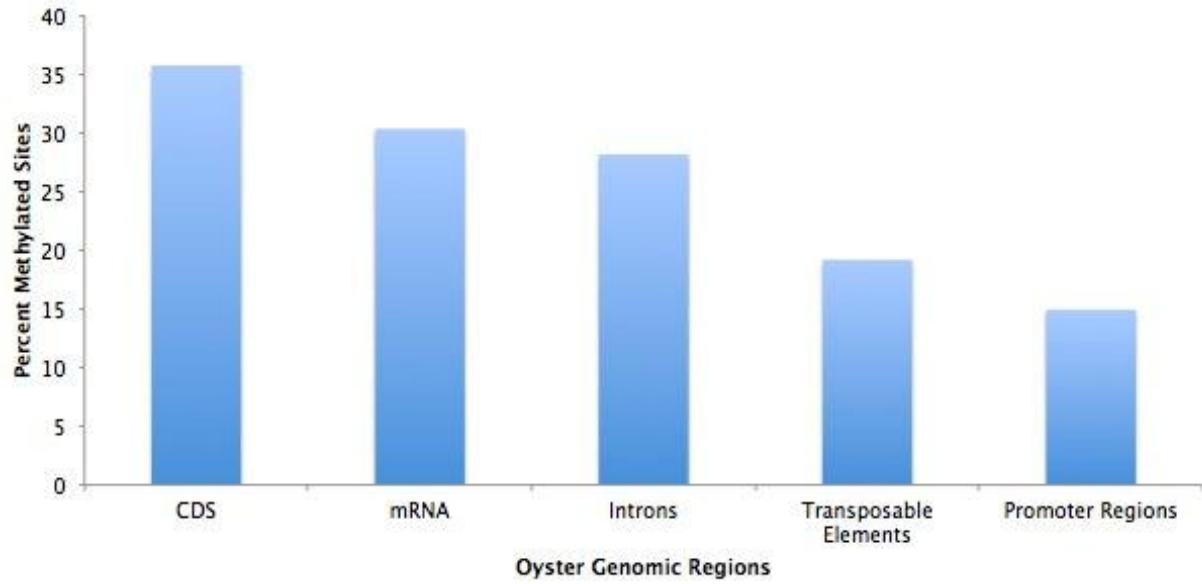
linux box

General lab reminders (Mac)  
Primer Stocks (back in box)  
PCR Machines  
Gel Box - name date  
BOX with good templates.

Spain

TWIF

## Distribution of oyster genome methylation



~~~~`

**June 17**

**FU**

- Pub-a-thon

- acid unseminar Next week

**STeven FISHLINE**

- fish310 grades

- TE data

- PU

- big week;;

**Updates**

**Twif Mac**

**Next week - Emma**

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**June 10**

--

**FU**

- oysters in fridge
- columns in G+
- PU
- Student instructions / safety
- 9-Mar
- FISH310
- Why do you share
- Seminar

eScience Institute are interested in starting a "reproducibility group" on campus to discuss issues related to reproducibility in computational

**Updates**

--

Analytics/IPython

-

Food talk

---

## June 3

other items?

*FU*

- Webinars?
- apple cable drama
- PAC-bio WSU
- Eagle versioning
- Seminar
- Standardize basic queries on [wiki](#)
- [undergrad rules](#)

NOTEBOOK EMPHasis, Eagle data,

- MD - <http://note.io/15vih9Y>
- UWTV Tues 12:30
- pu - Jennifer Rickwalt - Friday 14th

Weekly updates

Topics

abalone workflow

<http://note.io/15vlbvh>

“Clean up”/re-focus the blog?

next week...  
Analytics of web properties  
TWIF - IPython

## TWIF

Sam and Pat

<http://eagle.fish.washington.edu/Arabidopsis/TWIF.mp4>

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## **May 29th**

fu

SQLshare -updated python tools,

- my notebook

<http://genefish.wikispaces.com/sr320+Notebook>

- Are there any recent game changer immune papers?

-Personnel update

Megan

Charles

Jessica

Marina

Jake

- class Thursday

-RSS Feed support from Public Notebooks / gone

-Other OA students in SAFS might highlight on blog?

-Does Katie have recap of Oly experiment? going forward?

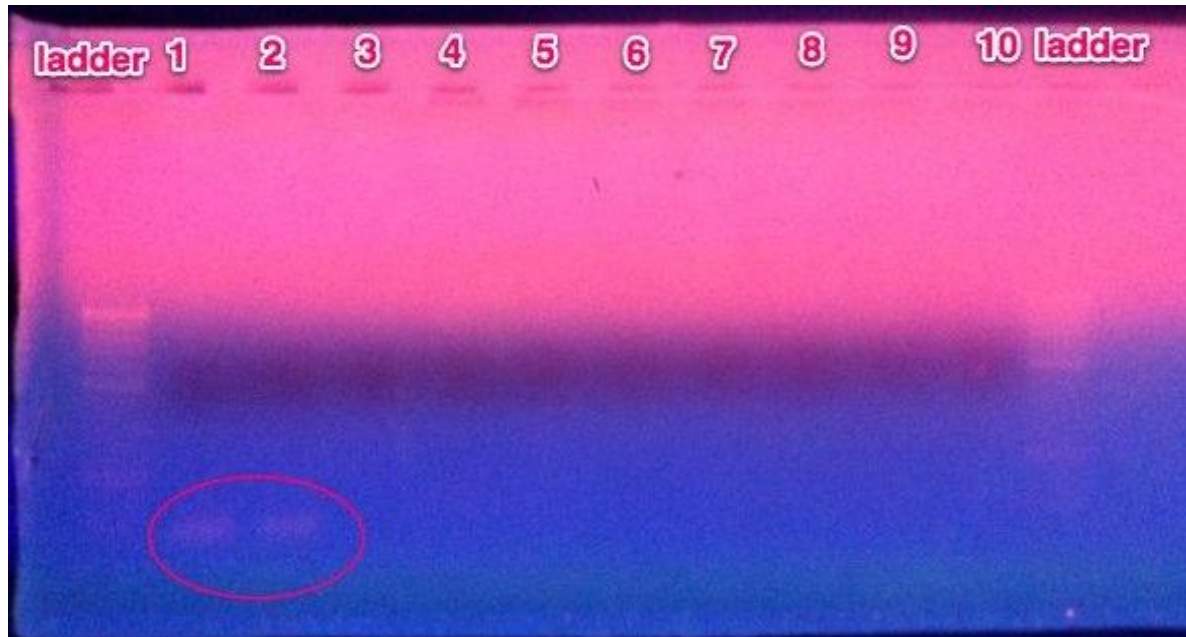
-sending something to hatchery

-GChat

Weekly updates

<BREAK>

-Array update



-Fragment Analysis

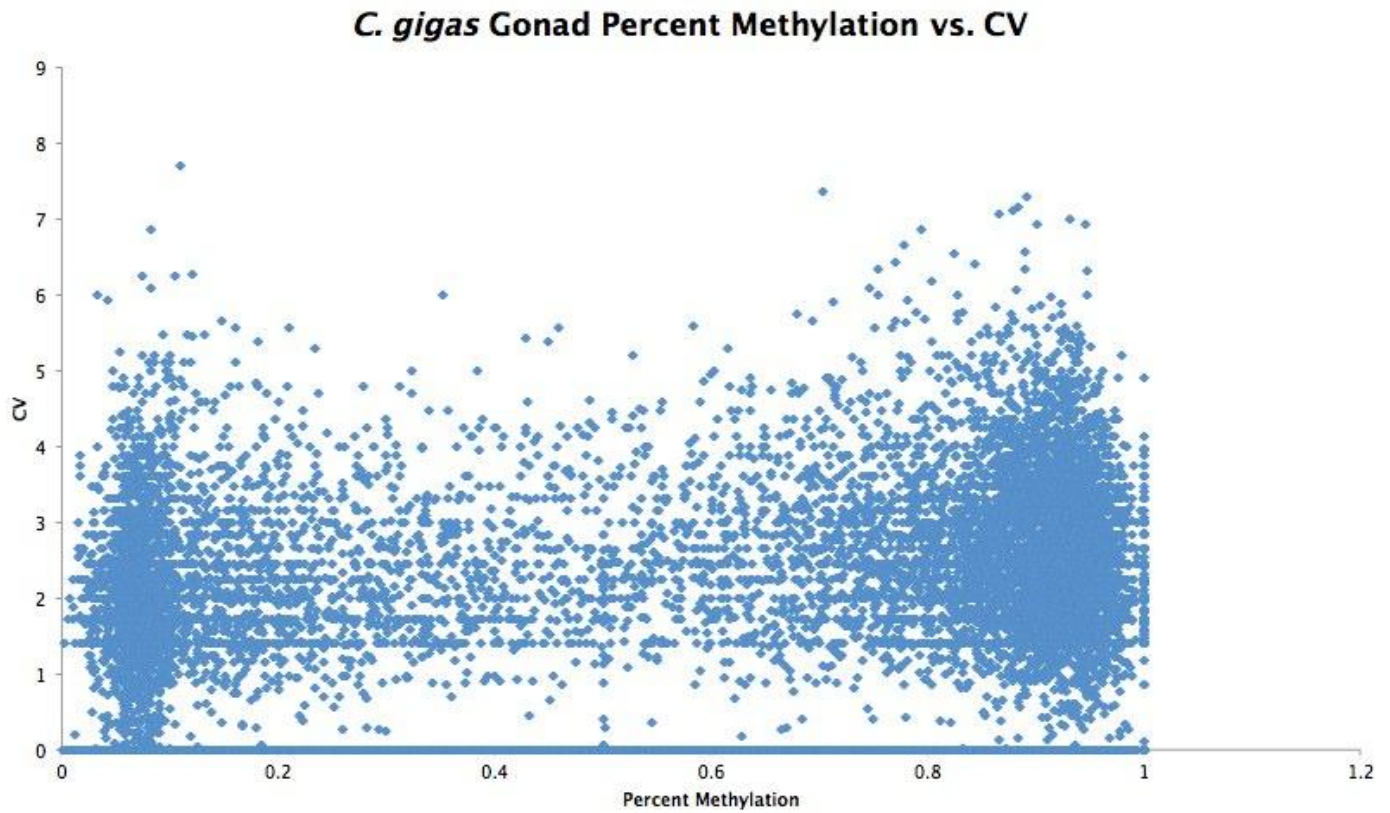
- 1) 1uL control DNA input (.5uL methylated) with methylated primers
- 2) 1uL control DNA input (.5uL non-methylated) with non-methylated primers
- 3) 1uL control DNA supernatant (non-capture, non-methylated) with non-methylated primers
- 4) 1uL control DNA supernatant (elution, methylated) with methylated primers
- 5) 1uL non-methylated control DNA with methylated primers
- 6) 1uL methylated control DNA with non-methylated primers
- 7) 1uL water=blank with methylated primers
- 8) 1uL water=blank with non-methylated primers
- 9) 12M H.S. non-capture DNA (non-methylated) with non-methylated primers
- 10) 12M H.S. elution DNA (methylated) with methylated primers

UwTV - staged science

*They were hoping to do June 4th, as that's when Dargan's class will be filmed. Maybe sometime after 1pm?*

-Next week's agenda

-TWIF - Claire



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**May 20th**

fu

Seminar : open notebook series

SQLshare meeting prep

- everyone should demonstrate a workflow.
- making proteomics data accessible post publication?
- <https://readthedocs.org/> as possible documentation option

What does this mean?

<https://plus.google.com/u/0/106492099842577316500/posts/JbMcbNVv8Lw>

Updates-

sequencing

microsats/msalfp

oly-gluing

TWIF - Mac

---

## May 13th

fu

Staff update

Reader / phone apps

Dropbox

Send something to hatchery

Post-mort

How can we start looking and recombination hotspots and oysters

Port Gamble /

Seminar Series

Sequencing update

Array update

Microsats update

Any other updates

TWIF S1E2 - Emma

---

## **May 7th**

recording  
fu

Web pages

Frontiers.

GIS layers  
[http://eagle.fish.washington.edu/whale/tmp/shellfish\\_summary.txt](http://eagle.fish.washington.edu/whale/tmp/shellfish_summary.txt)

Oly meeting

HTSQ login

twif

seminar  
4th week;  
12:30 Thursday  
SQLShare / Vizdeck.....  
Sharing is Caring - fu G+

Claire's Experiment  
- best way to preserve samples?

2nd gr lecture Puget Sound Shellfish, EAT MOVE PROTECT  
oysters, crab,  
olympia,  
baby shellfish.  
abalone,  
geoduck  
octopus  
hermit crab

RNA-Seq samples

PacBio

Google reader

updates

TWIF

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## April 29th

fu

wsg

oly meeting

Seminar Series.. Ideas

Big data and sharing

Reproducibility

1 a month....

Video...ideas

This week in FTR (TWIF)

topic specific

Both

Broadcasting lab meeting

examples:

<http://jisao.washington.edu/videos/180archive>

Figure (1) short video.....name

Media coverage

- Newspaper, UWnews (360 video), NPR, oyster,

Software needs?

ABI Genemapper 4.0; gene marker..

Oly Markers

Smell

CV updates

Reader

Updates

Jen: primers, G+

other student

### **April 24th**

fu

printer

New themes- Joint Seminar Series...

New products- Video / audio /

NSF Report

Oly Meeting / May

qDOD

Updates

Claire BS analysis workflow/ data

Salmon paper

**Nevertheless, we hypothesize that early maturation could be mainly mediated by epigenetic processes rather than by genetic differences between parrs.**

**Table 1 Epigenetic variation**

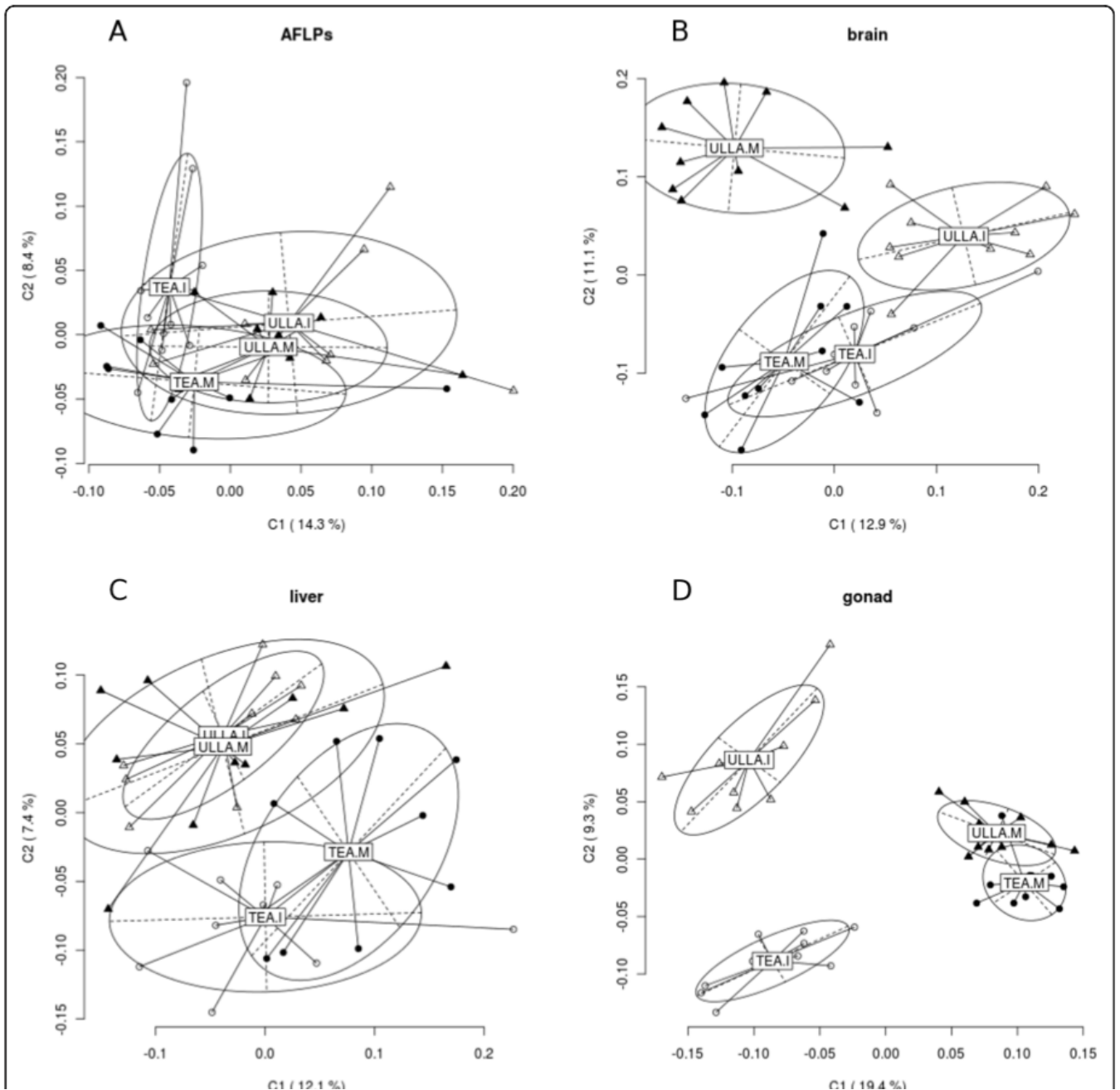
| Tissue | Number of MSL <sup>a</sup> | Number of polymorphic MSL <sup>b</sup> | % significant single-locus variation among populations <sup>c</sup> |
|--------|----------------------------|----------------------------------------|---------------------------------------------------------------------|
| Brain  | 429 (65.5%)                | 262                                    | 27.7 ( $q = 0.093$ )                                                |
| Liver  | 418 (62.5%)                | 218                                    | 5.5 ( $q = 0.230$ )                                                 |
| Gonad  | 429 (72.6%)                | 206                                    | 35.9 ( $q = 0.093$ )                                                |

<sup>a</sup> Methylation-susceptible loci.

<sup>b</sup> A methylation-susceptible loci was considered polymorphic when at least two individuals showed the non-methylated state.

<sup>c</sup> % of the significant single-locus homogeneity tests ( $\chi^2$ ) after multiple test correction with sequential combined probability test of Fisher [47].  $q$ -values are given between brackets providing the expected proportion of false positives.

<sup>d</sup> Average Shannon's Diversity Index ( $\pm$ SD).



Emma's topics for water symposium

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**April 15th,**

- Weekly Updates

-people

- Space

- Compiling Oyster data in Puget Sound

naturalized/invasive populations latitude/longitude points  
get access

- Power Outage

Eagle, Server (hummingbird) online next day.

What is on alarm

209 4 had blip

209 2 red

213 4 -- NO DATA

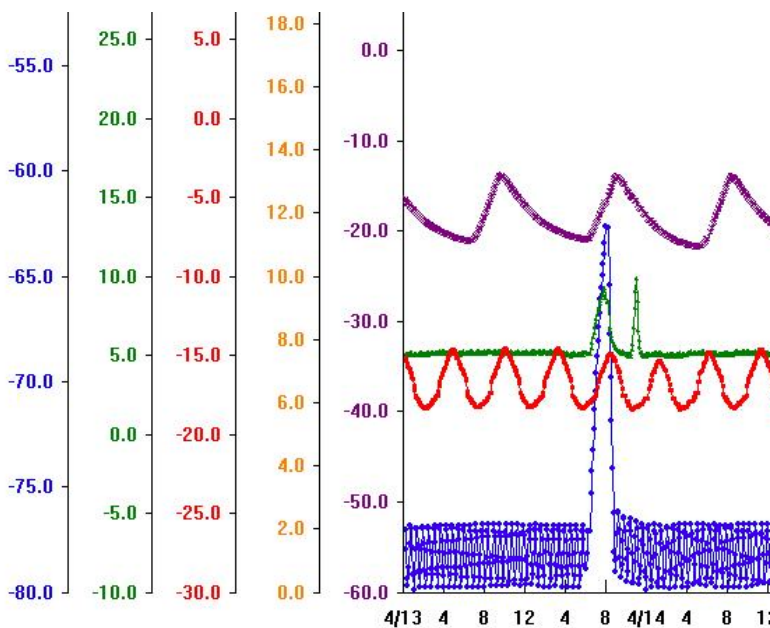
# Select Inputs for R

Selected Node: FISHERIES

Select Inputs:

Use ctrl-left-click to select multiple inputs;  
ctrl-left-click, then drag to select many or all.

FTR204-80 HORNER  
FTR209 +4  
FTR209 -20  
FTR213 +4C  
FTR213 -20



- Evernote Backup

<http://eagle.fish.washington.edu/whale/tmp/evernote.mov>

-qDOD - oyster data sets. relevant questions. queries

<http://oystergen.es/query>

- Main Event?

-Claire's samples for MBD

