

# Work Log for September

Logan Brown

September 22, 2014

## 4 Week of September 22nd-26th

### 4.1 Goals for the Week

1. Write out the math from 9/19 (from the green notebook)
2. Get observed yeast  $\phi$  values from REU data
3. Run NSE model with the Browser line when  $\phi$  is proposed to see what is causing NaN
4. Ideally, an NSE patch to fix it (try NaN to NA?)

### 4.2 Progress/Notes

#### 4.2.1 Write out the math from 9/19 (from the green notebook)

see genomeProb.tex and genomeProb.pdf

#### 4.2.2 Get observed yeast $\phi$ values from REU data

#### 4.2.3 Run NSE model with the Browser line when $\phi$ is proposed to see what is causing NaN

7/22: The local library has been built. I removed the `&` to ensure that `browser()` will activate, and wrote in two checks in `my.logdmultinomCodOne.r`

```
if(TRUE%in%is.nan(lp.vec)) { browser(); }
```

but it's taken nearly 8 hours to run!!! The run started at: 2014-09-22 10:24:55  
I left at 18:15:, so I don't know what happens.

#### 4.2.4 Ideally, an NSE patch to fix it (try NaN to NA?)

### 4.3 Goals for next Week

1. Future Goal