

# Status

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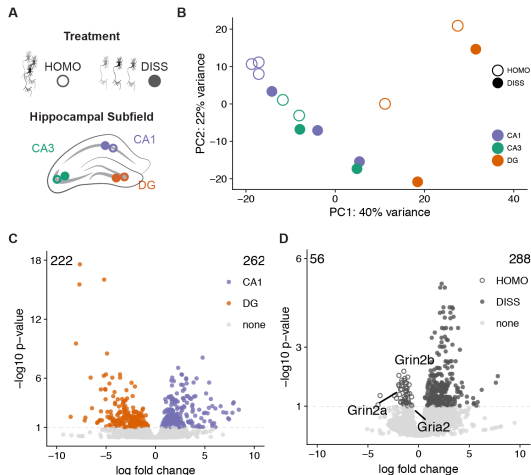
<https://github.com/raynamharris/DissociationTest>

20 April 2018

# First Slide

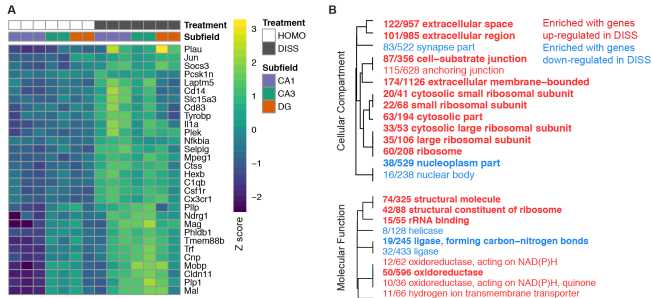
- ▶ figures from ongoing research
- ▶ past ideas
- ▶ past projects
- ▶ more ideas

# Cellular dissociation has minors effect on hippocampal gene expression



[github.com/raynamharris/DissociationTest](https://github.com/raynamharris/DissociationTest):  
scripts/01\_DissociationTest.Rmd & 02\_volcanoplots.Rmd

# Top 20ish differentially expressed genes



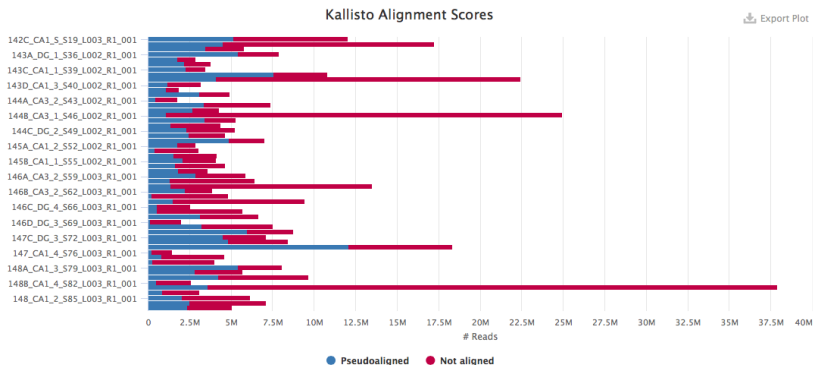
- ▶ [https://github.com/raynamharris/DissociationTest/blob/master/scripts/04\\_heatmaps.Rmd](https://github.com/raynamharris/DissociationTest/blob/master/scripts/04_heatmaps.Rmd)
- ▶ [https://github.com/raynamharris/DissociationTest/tree/master/scripts/05\\_GO\\_MWU/05\\_GO\\_MWU.Rmd](https://github.com/raynamharris/DissociationTest/tree/master/scripts/05_GO_MWU/05_GO_MWU.Rmd)

## Searchable supplementary file

```
suptable <- read.csv("../results/SuppTable1.csv")  
tail(suptable, 10)
```

##	gene	lfc	padj	upregulated.in
## 335	Rpsa	1.10	0.0959	DISS
## 336	Slc25a10	2.90	0.0959	DISS
## 337	Spry1	2.20	0.0959	DISS
## 338	Tango2	1.80	0.0959	DISS
## 339	Ubqln1	-1.10	0.0974	HOMO
## 340	Gadd45b	1.50	0.0984	DISS
## 341	Gsk3b	-0.90	0.0984	HOMO
## 342	Atrx	-1.10	0.0992	HOMO
## 343	Itpr3	3.10	0.0992	DISS
## 344	Gria2	-0.84	0.0997	HOMO

# Kallisto + MultiQC



1. [https://github.com/raynamharris/IntegrativeProjectWT2015/blob/master/UNIXworkflow/04\\_kallisto.md](https://github.com/raynamharris/IntegrativeProjectWT2015/blob/master/UNIXworkflow/04_kallisto.md)

<https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE99765>

# Repeated workflows from different time and space

1. <https://github.com/raynamharris/IntegrativeProjectWT2015/>
2. <https://github.com/raynamharris/DissociationTest/>
3. <https://github.com/raynamharris/FMR1CA1rnaseq/>