NOMADS Sprint 2

•••

Neurodata's Opensource Method for
Automatic Detection of Synapses

Progress is On Schedule

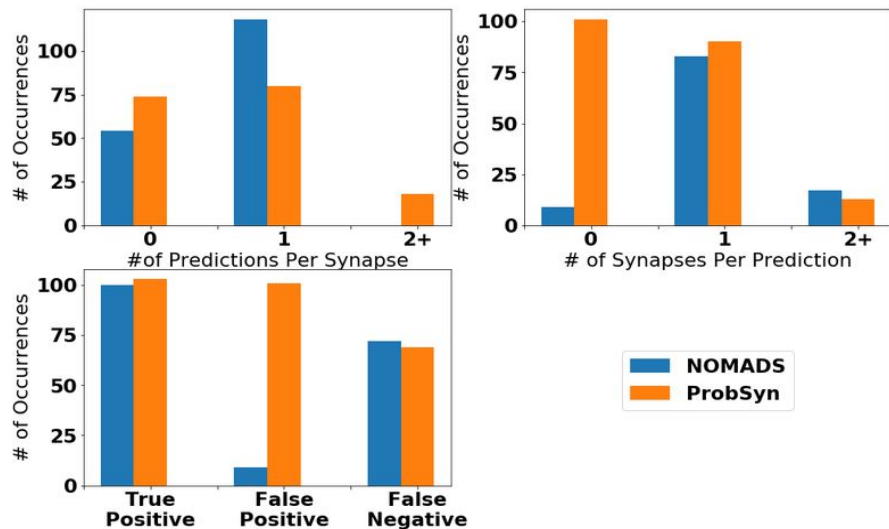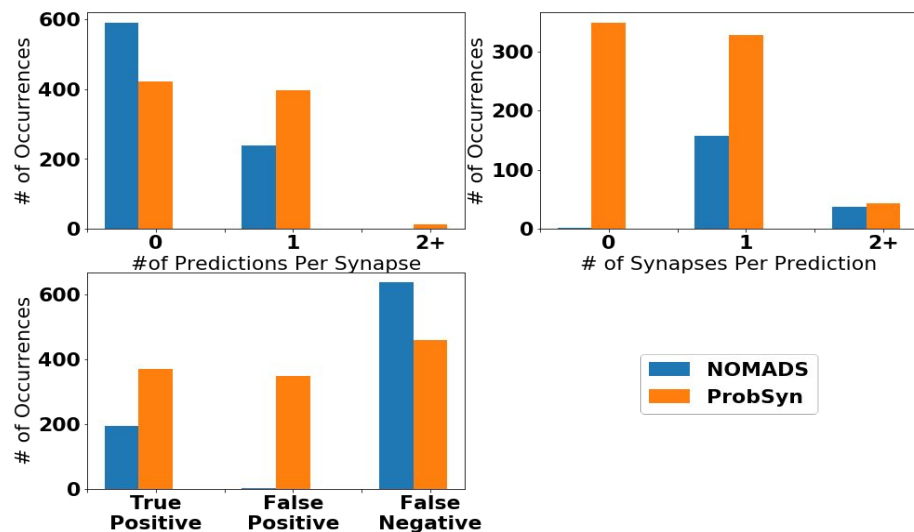| Sprint	Due Date	Requirements
Sprint 2	12/20	- Docker Container with Alg - Better Performance than PLoS on C14 and C15 - NDVIS links for Predictions - Python package for MEDA - Annotations Colored By GABA & GLUT - Port XYZ Plot to Plot.ly - Port Histogram to Plot.ly - Port 3D Synapse Clusters in Altered Aspect Ratio to Plot.ly - Port 3D Synapse Clusters in Native Aspect Ratio to Plot.ly - Port 5 Nearest Neighbour to Plot.ly

NOMADS

=

Accessability

- **Open Source**
  - Github

- **Easily Runnable**
  - Docker

We Beat PLoS on Collman 14 & Collman 15

Algorithm Performance on Collman 2015

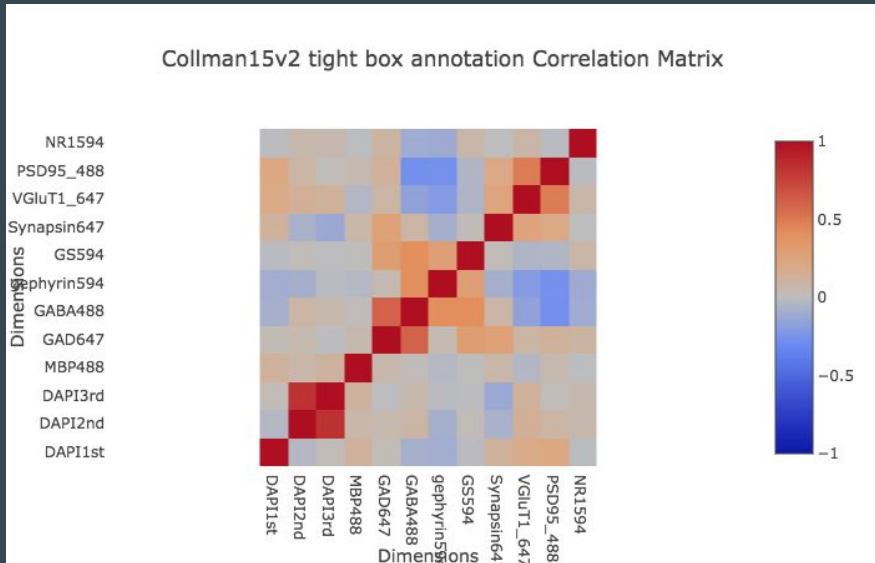Algorithm Performance on Collman 2014

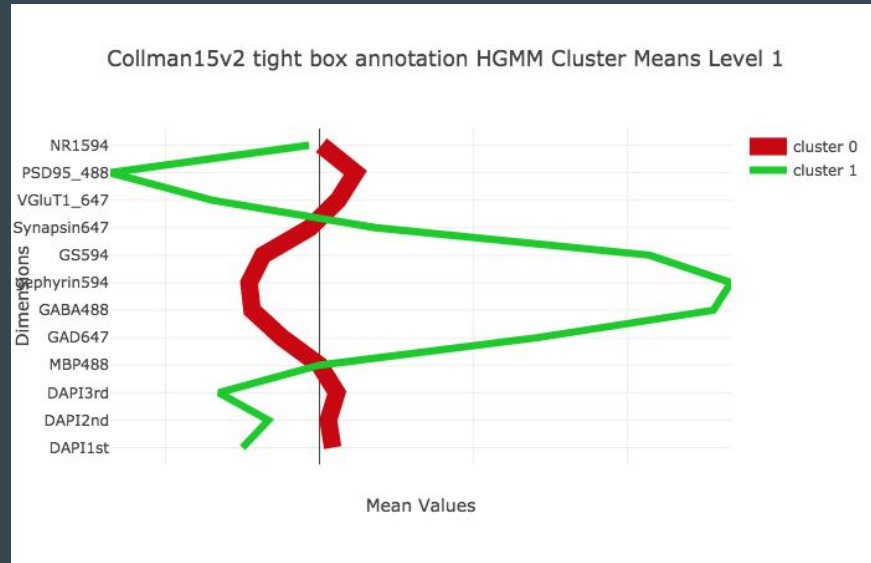# WE GOT VIS LINKS

Collman 14

Collman 15

—

Synaptome runs MEDA

- **<u>Open Source</u>**
  - ○ Github

- **<u>Sort of Easily Runnable?</u>** (RIP Docker)
  - ○ Instructions
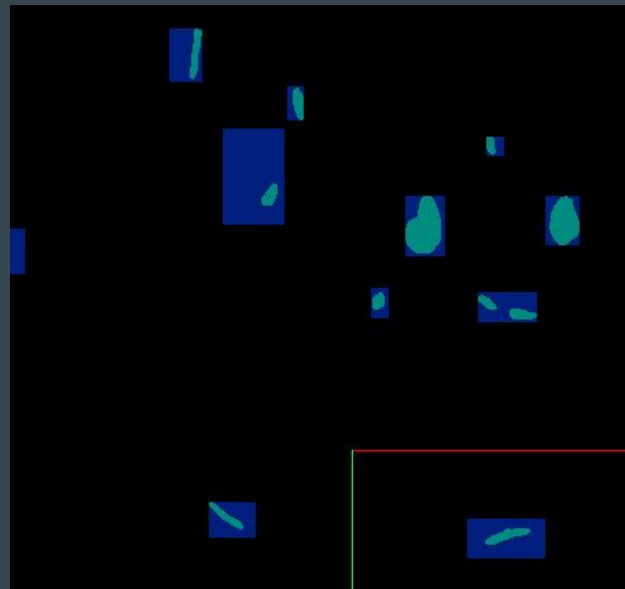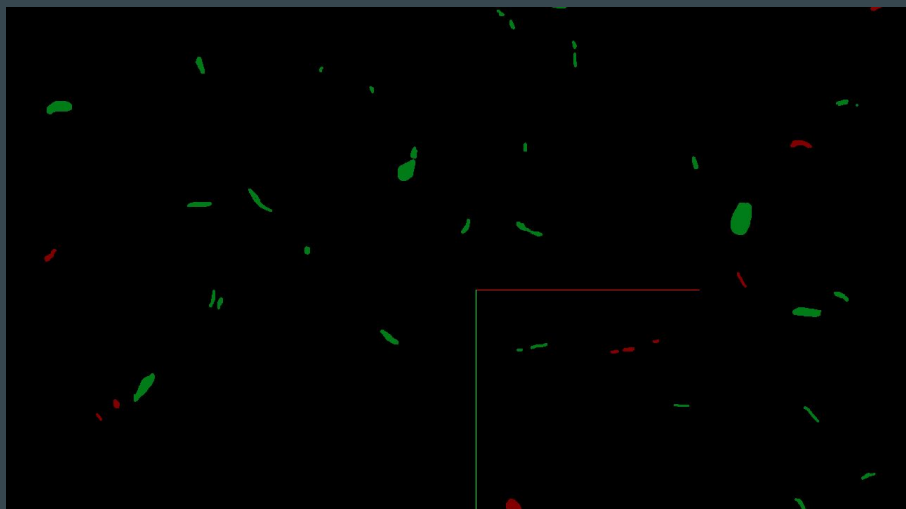
Synaptome Plots MEDA Using Lemur

- Correlation Matrix

- Cluster Mean Lines

Synaptome can also upload stuff to BOSS

- GABA vs Glut Synapses for Collman15v2 (NDViz Link)

- Clustered synapses (based on tight bounds) and Glut/GABA synapses (NDViz Link)

Collman14v2 Plots

- [Link to Plots](#)