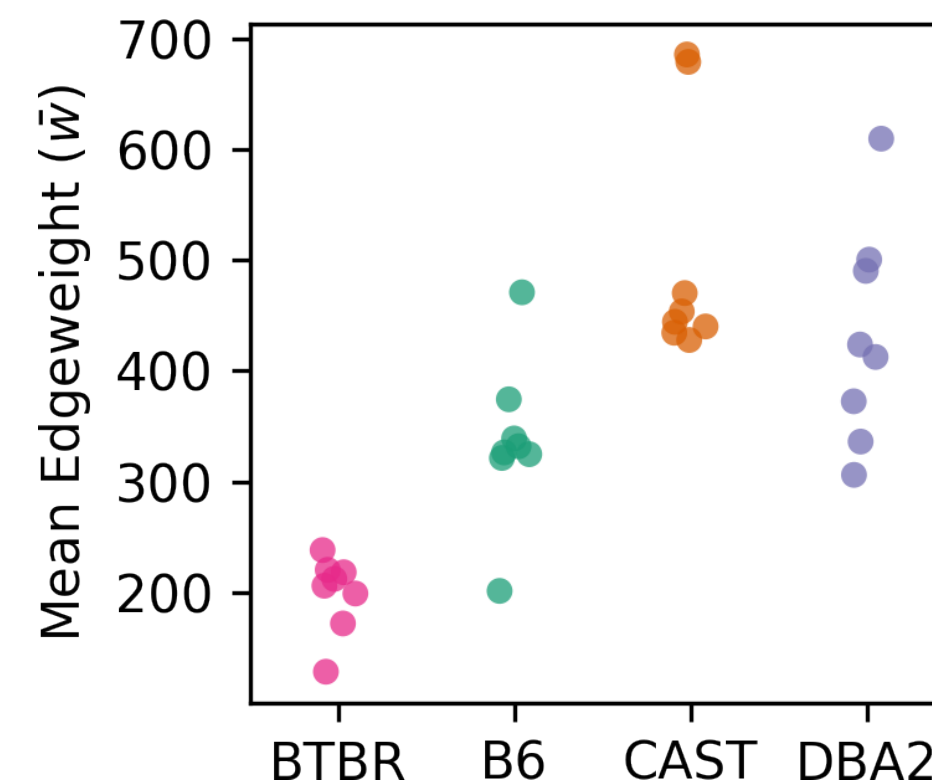
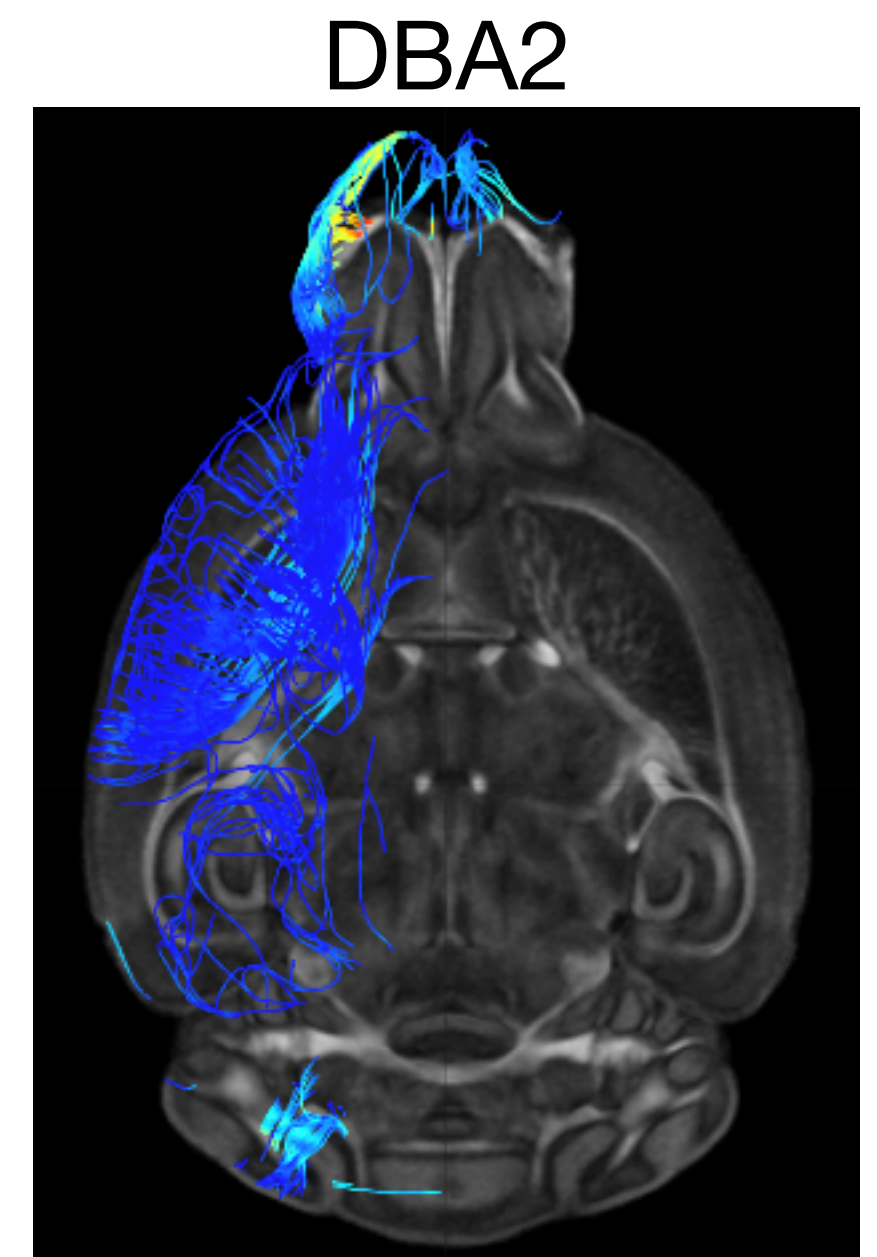
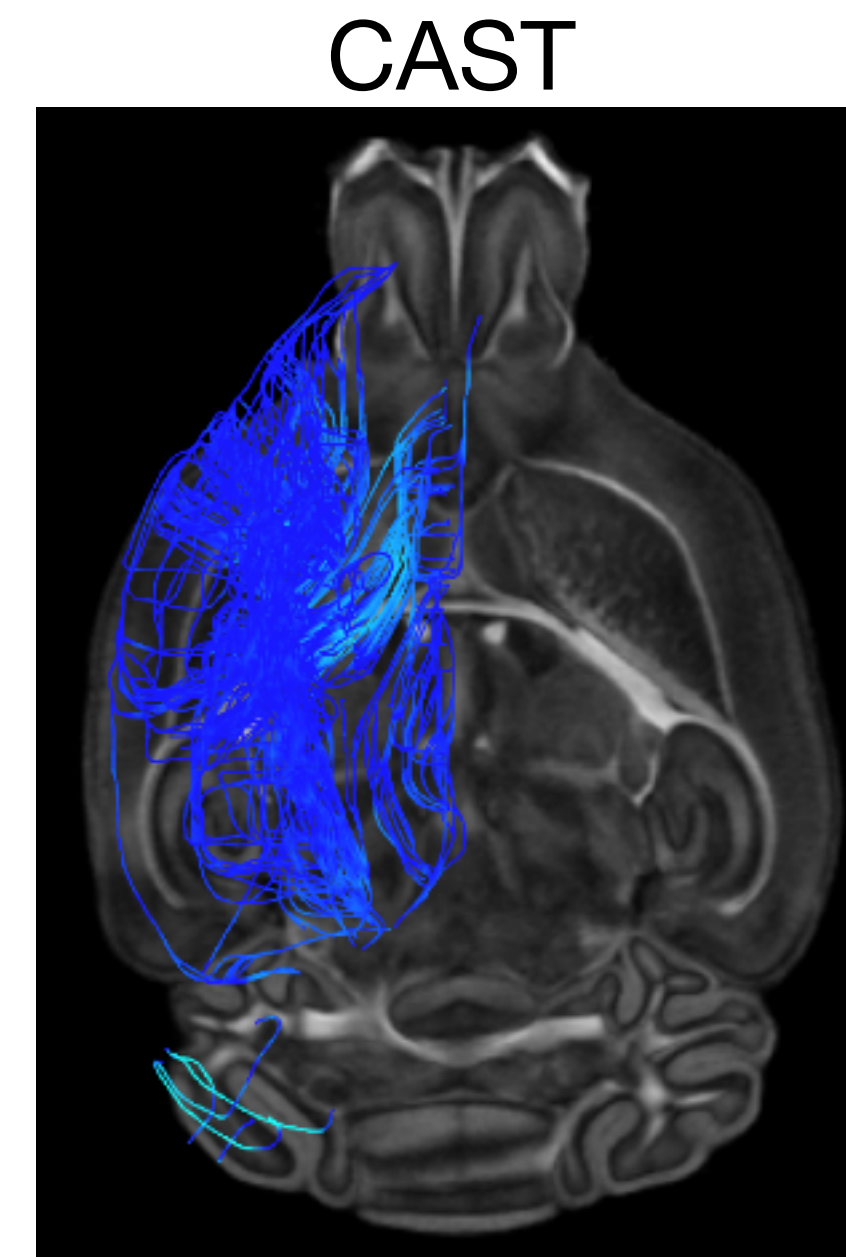
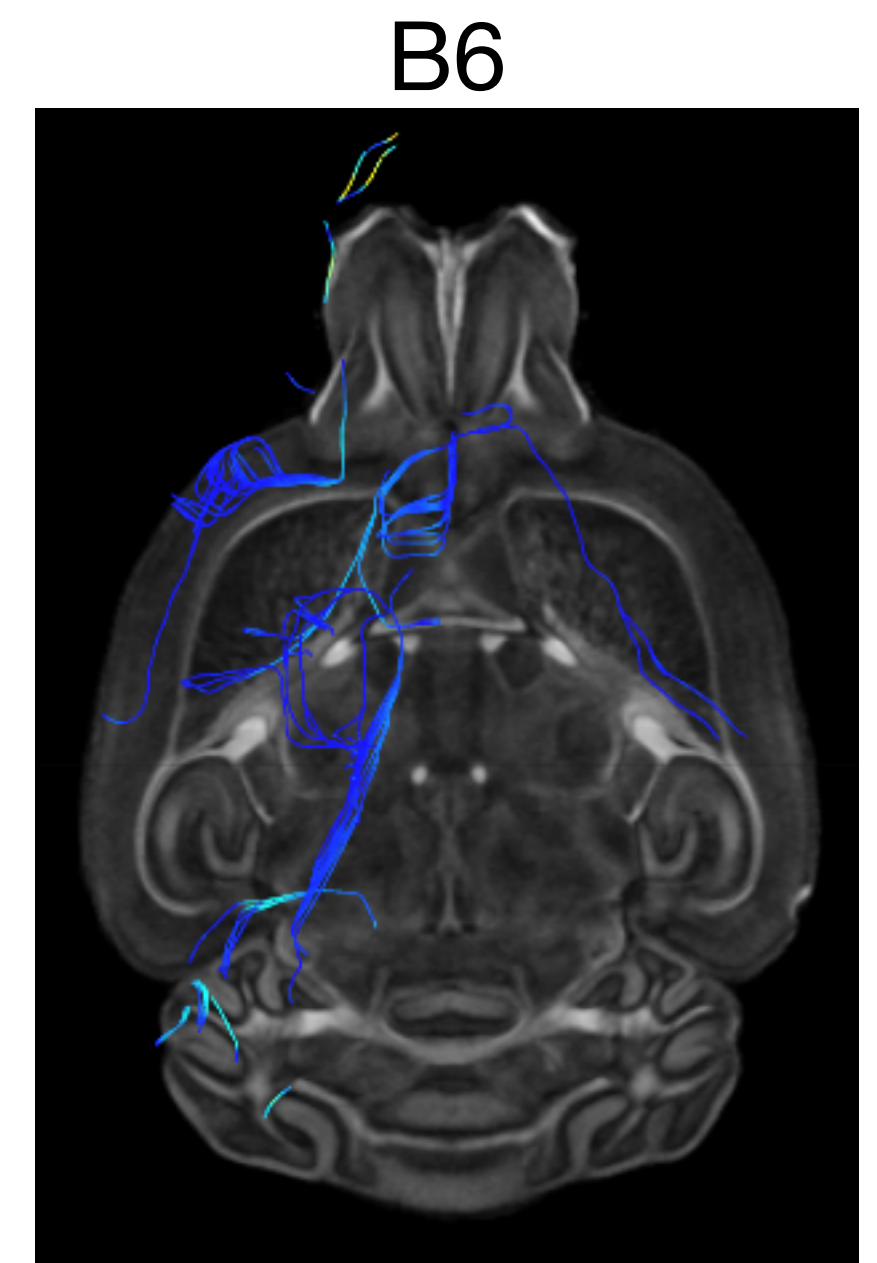
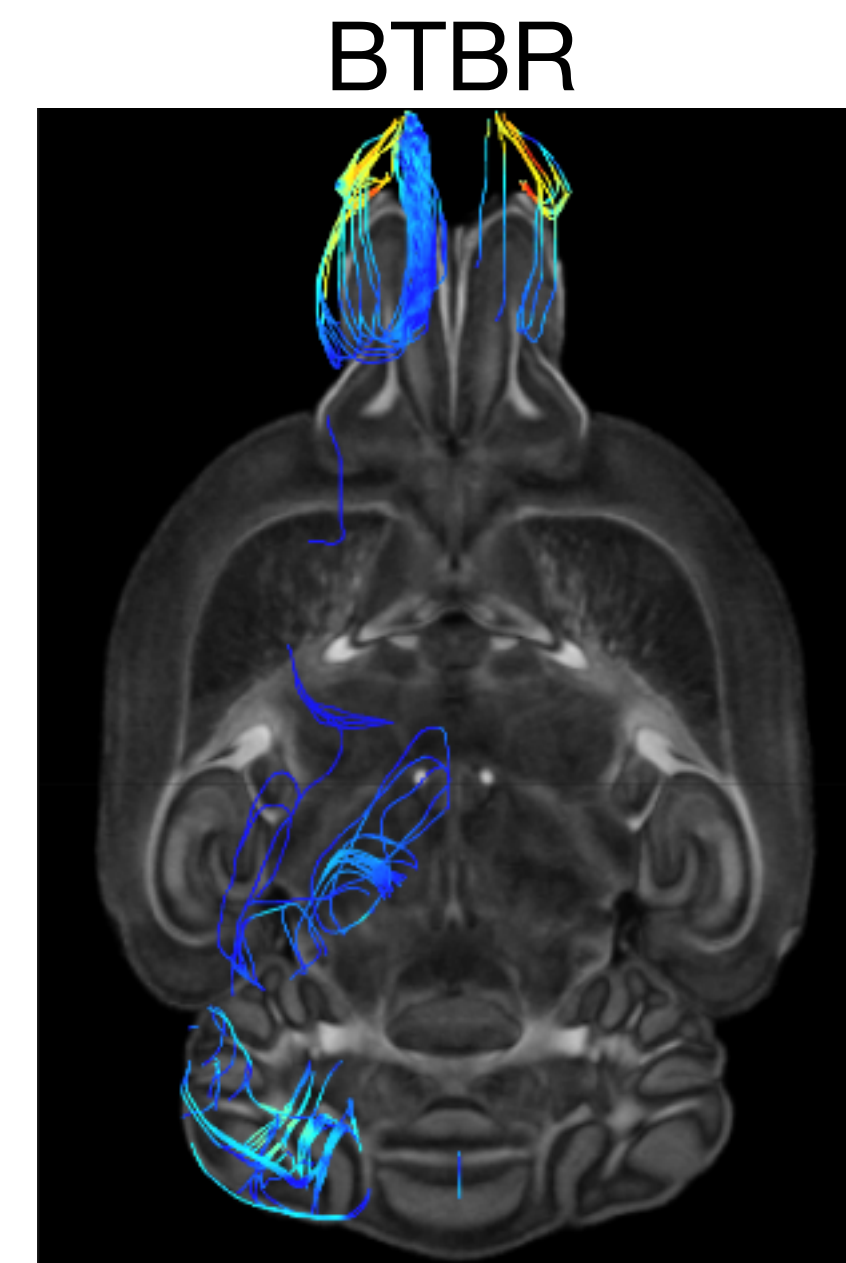


# Identifying signal communities

## Model: Stochastic Block Model (SBM)

- Assume communities are known *a priori*
- Compared univariate and multivariate community representations
- Distance Correlation outperforms traditional tests (ANOVA, Kruskal Wallis)
  - Simulation



Isocortex (L) to Hindbrain (L)

# Edge Simulation

Distance Correlation is the most robust univariate test in this setting.

