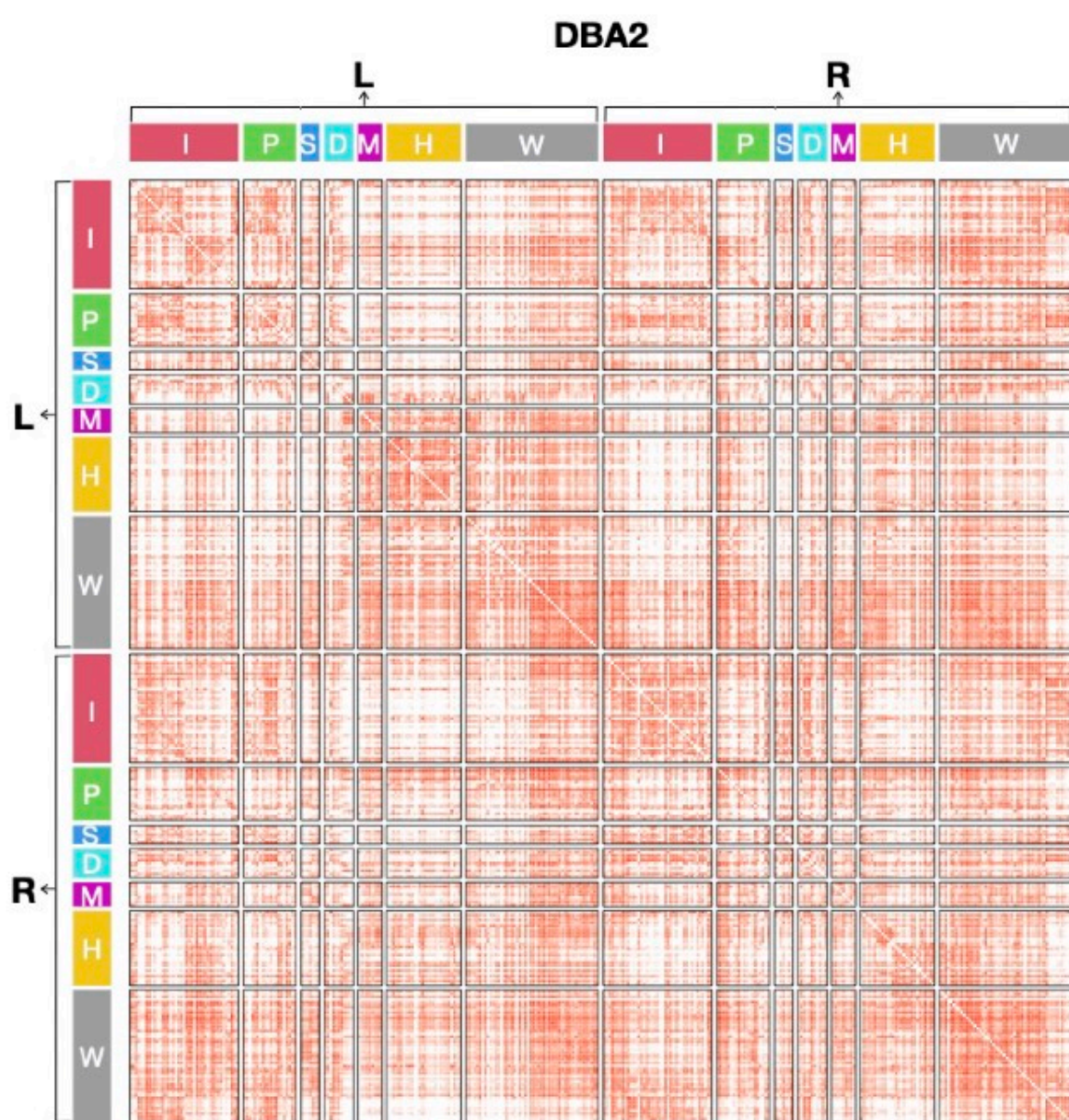
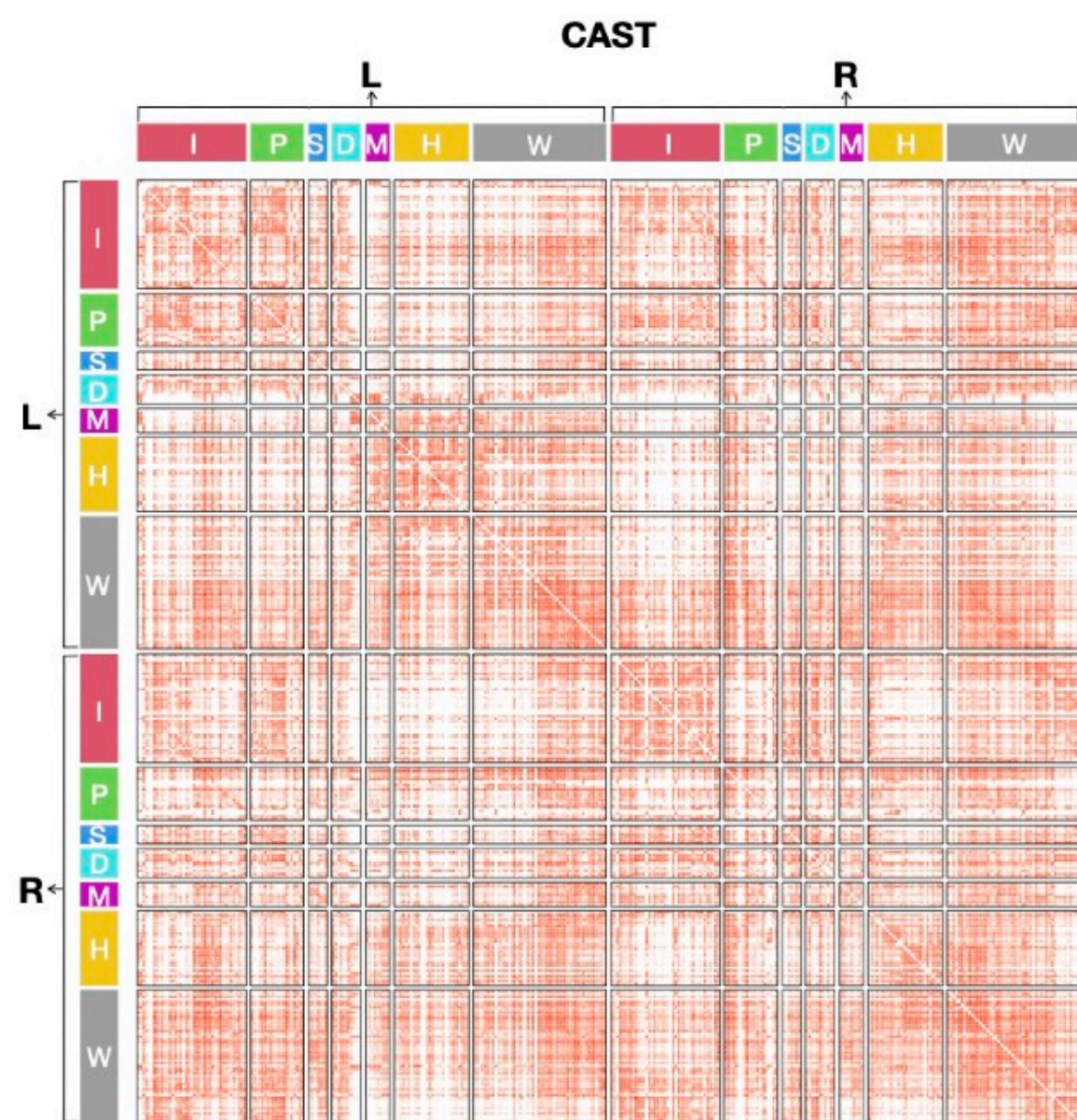
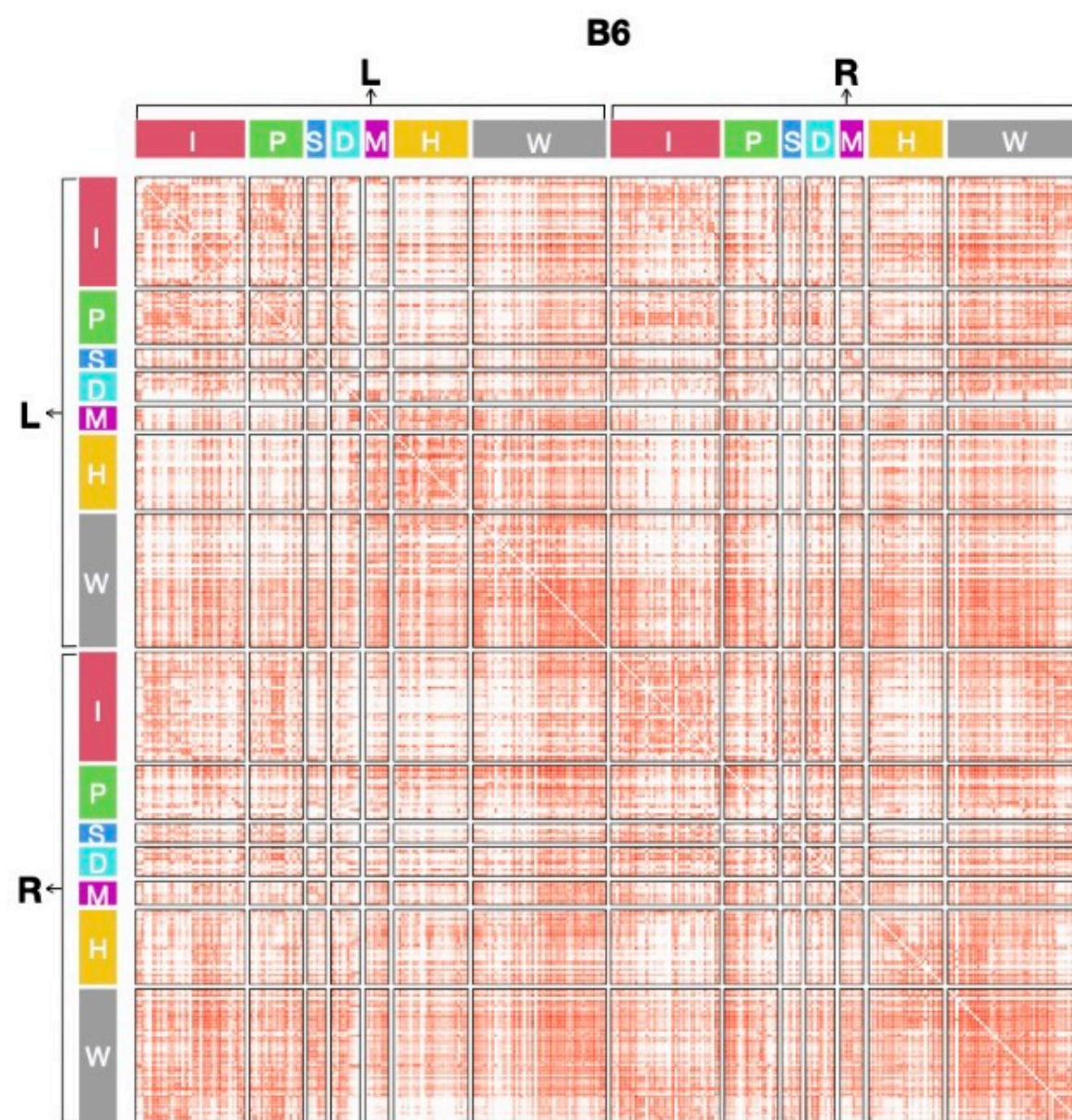
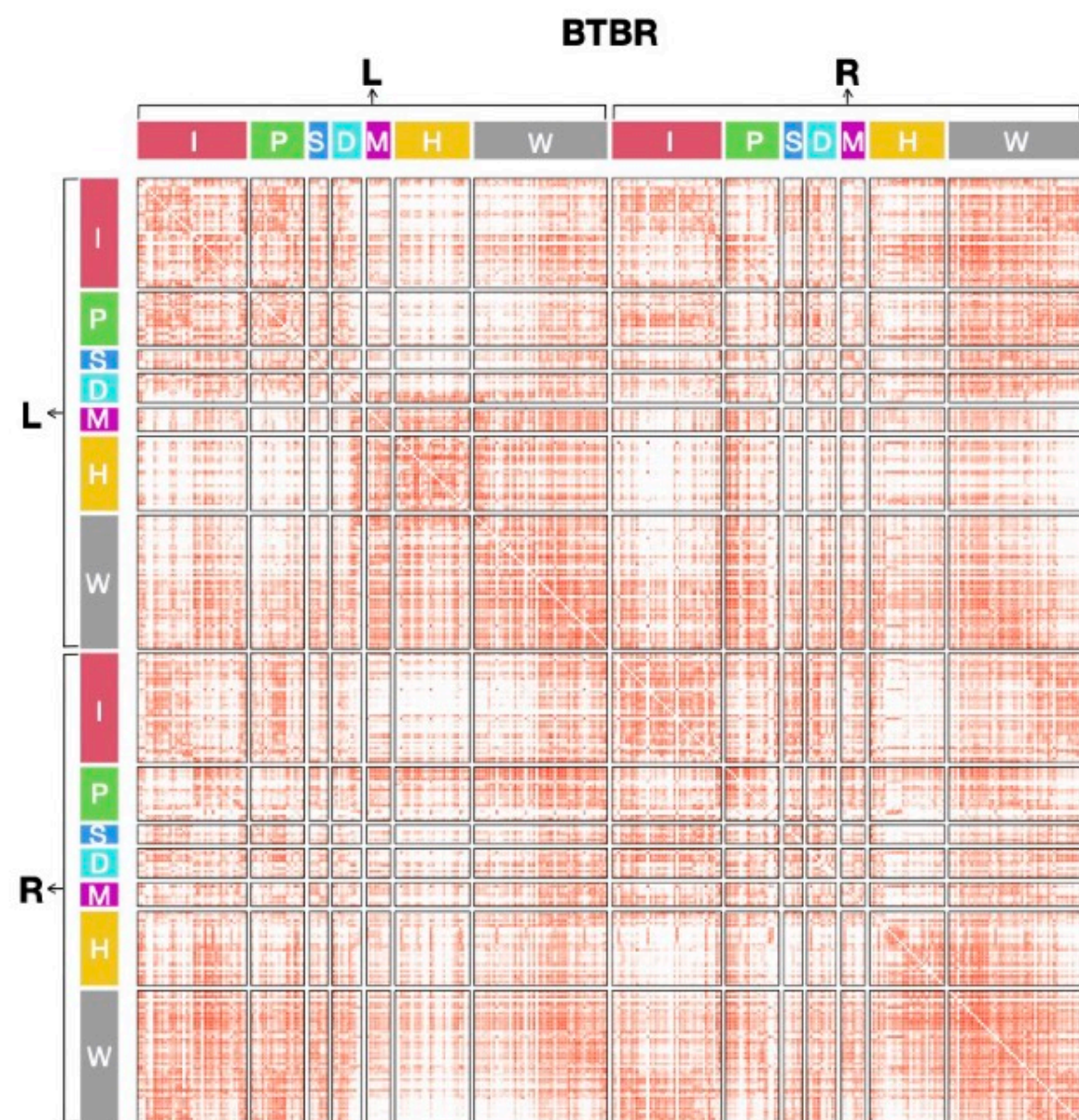




**BTBR is a model of autism**

**Museum Connectomes**





Edge Weight ( $\log_{10}$ )



**Communities**

I Isocortex  
P Pallium  
S Subpallium

D Diencephalon  
M Midbrain  
H Hindbrain

W White Matter



- Parameters
  - 332 brain regions
  - 14 communities
  - 2 hemispheres

•  $k \equiv 4$  strains

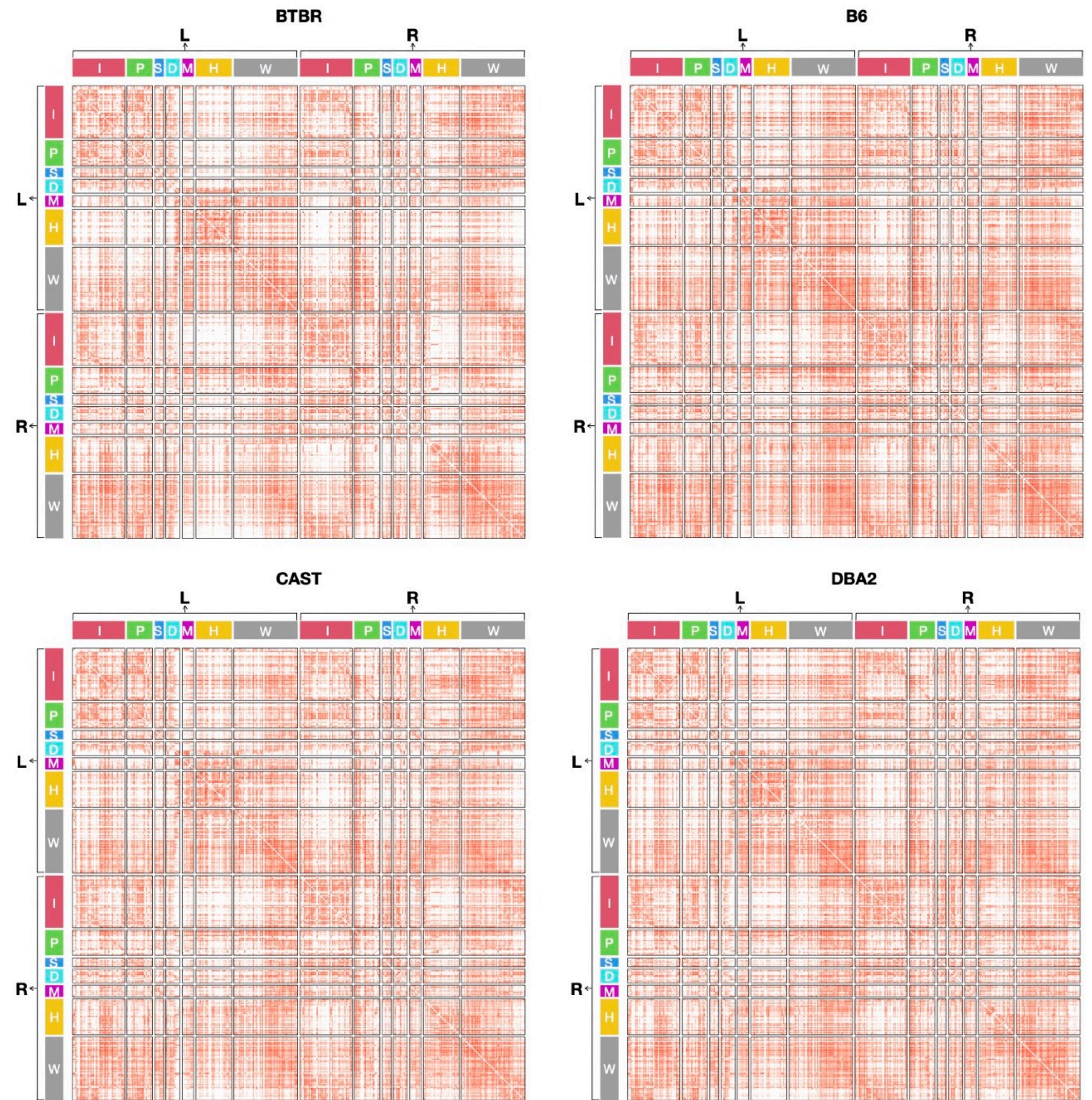
•  $n = 8$  mice / strain



# Mouse Connectomes

## BTBR is a model of autism

- Parameters
  - 332 brain regions
  - 14 communities
  - 2 hemispheres
- $k = 4$  strains
- $n = 8$  mice / strain





# Identifying heterogeneous brain regions

**Model: RDPG (Random Dot Product Graph)**