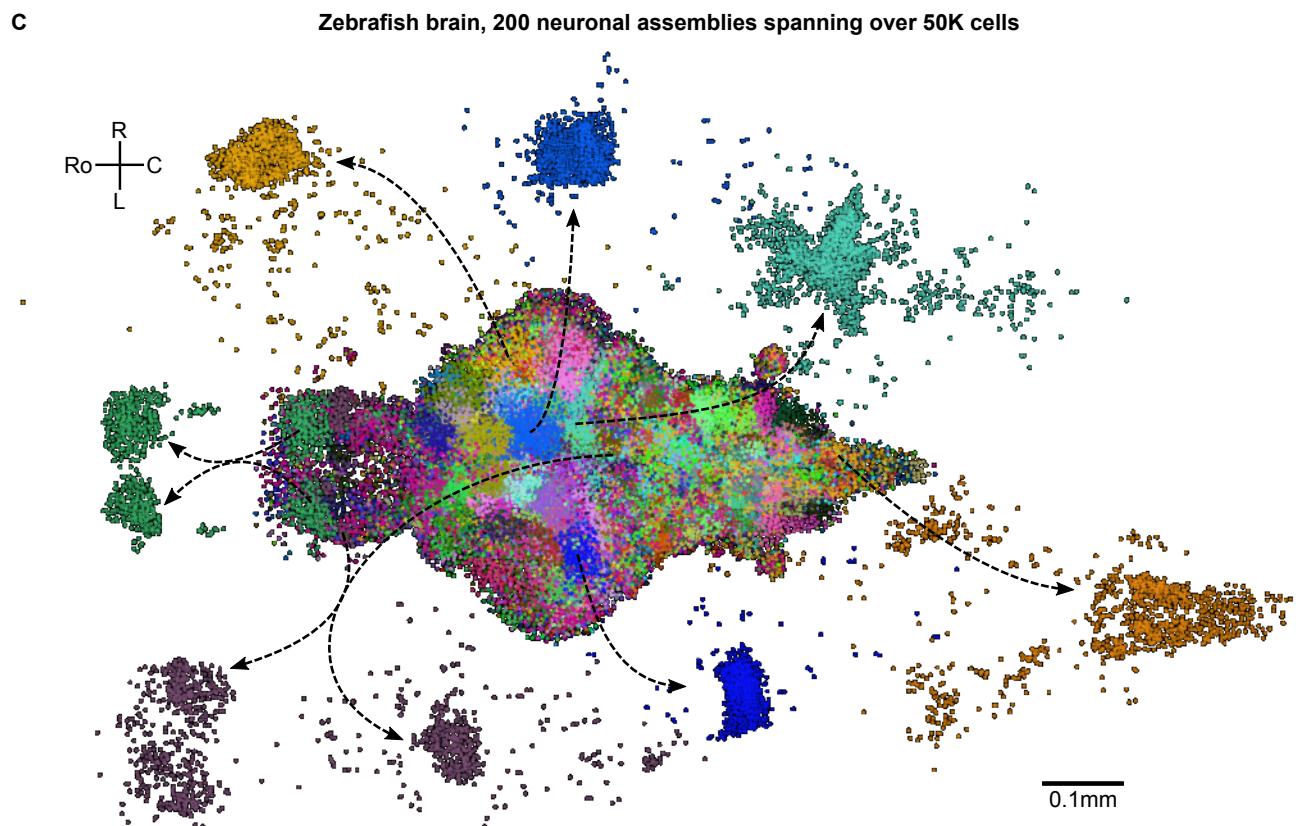
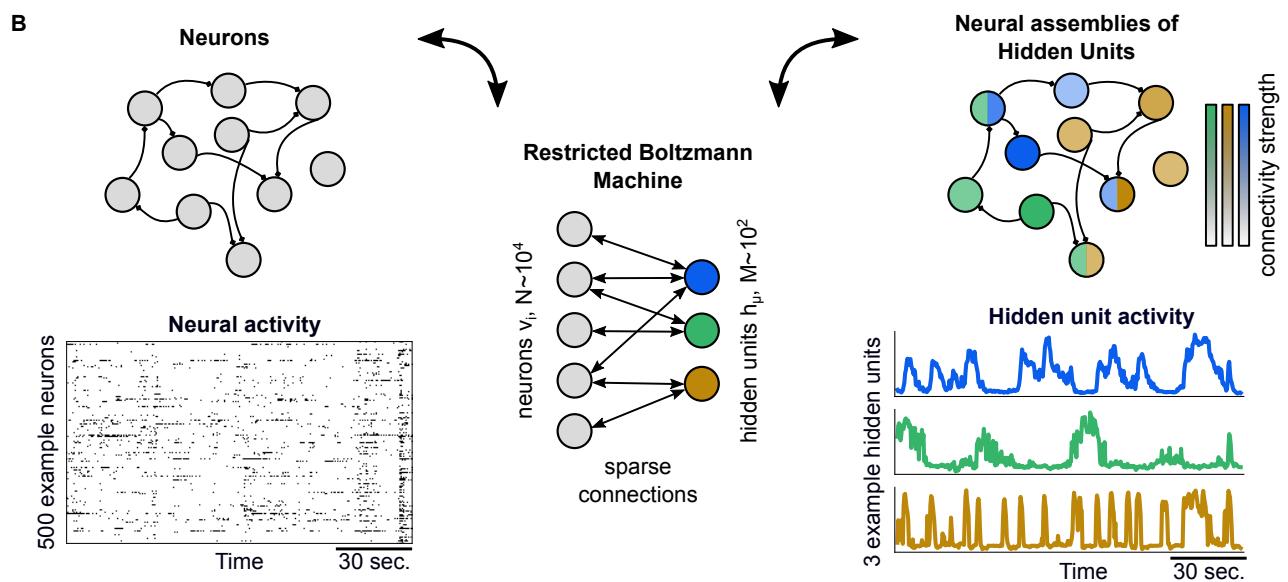
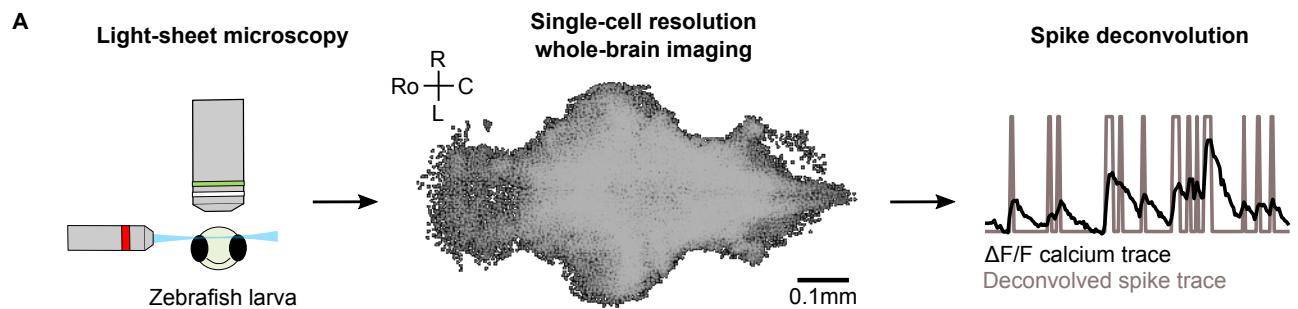
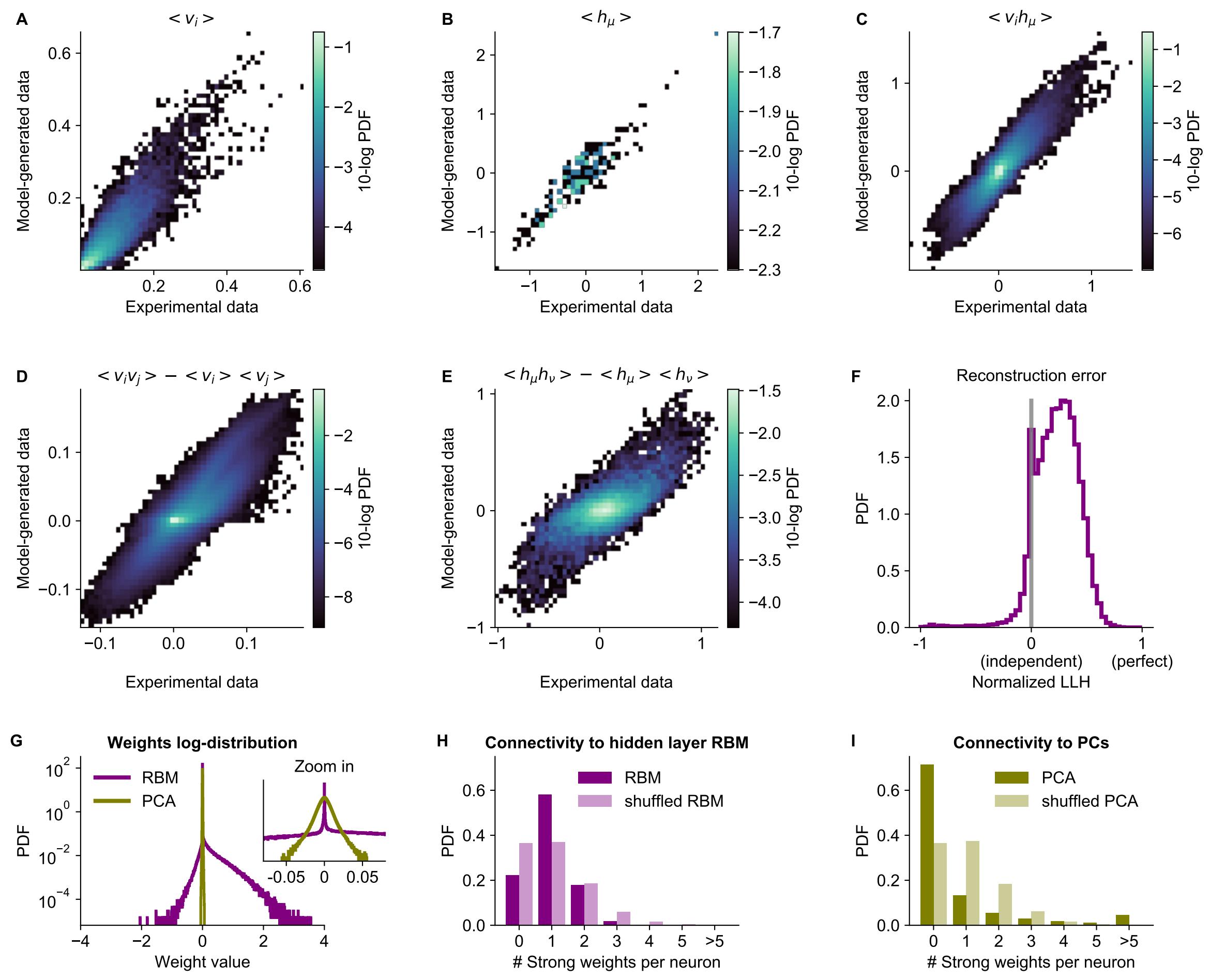
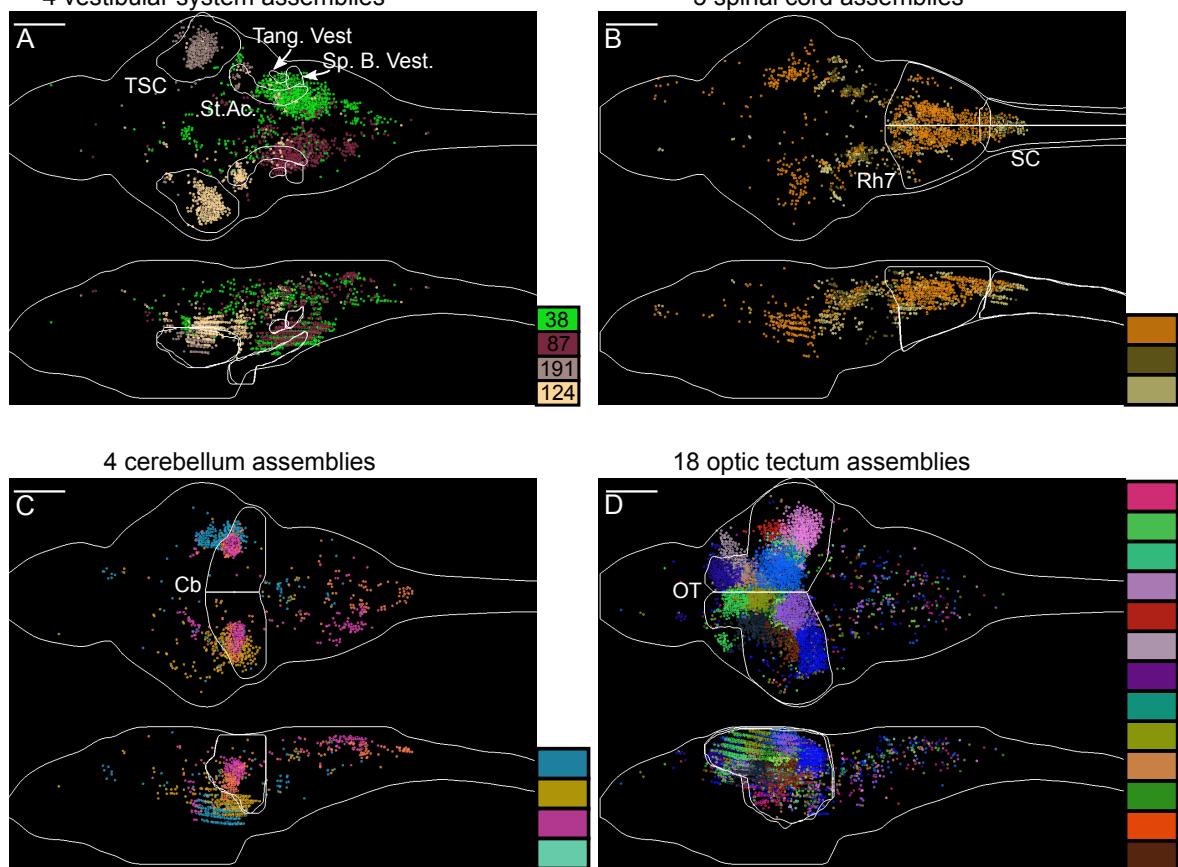


fig1_v4	2
fig_stats_convergence	3
figure-hu-examples_v2	4
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fig_dynamics	6
fig_connectivity_individuals	7
fig_connectivity_structural_comparison	8
sfig_model_selection_complete	9
sfig_filtered_hus_autocorrelation	10
sfig_connectivity_all_individuals	11
sfig_connectivity_covar_corr	12

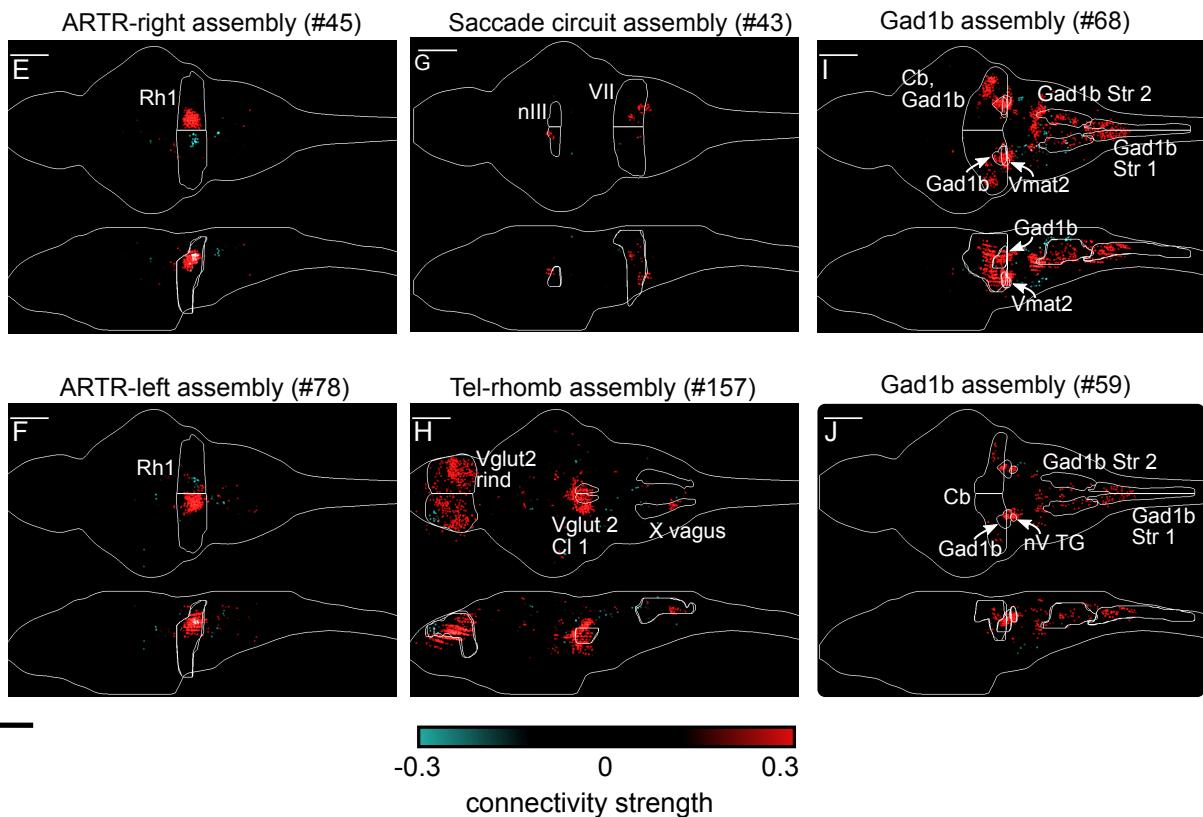


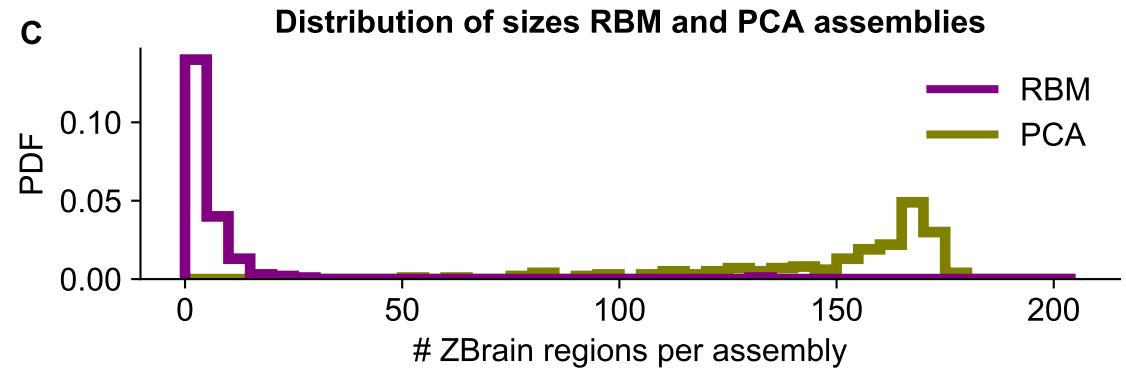
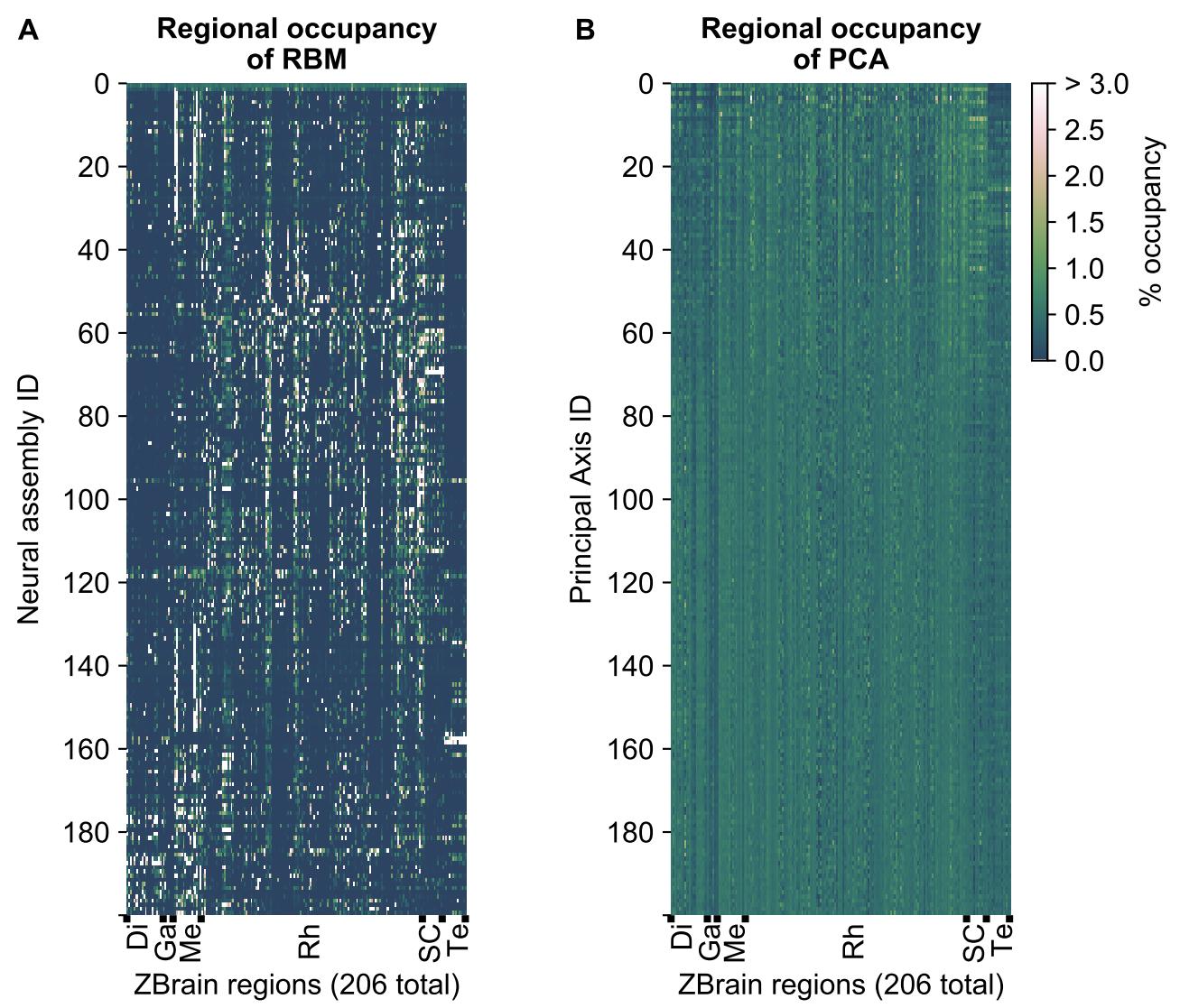


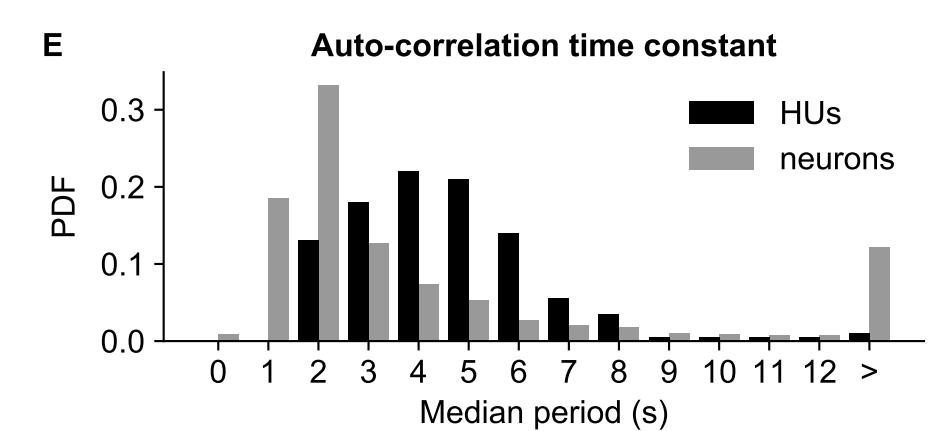
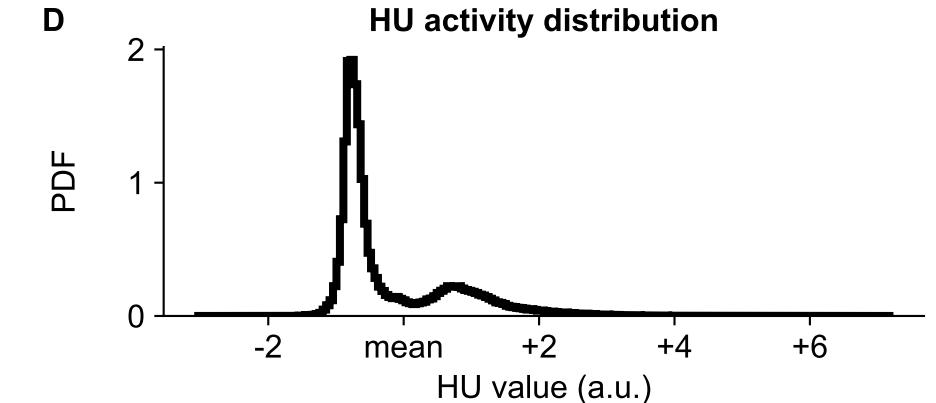
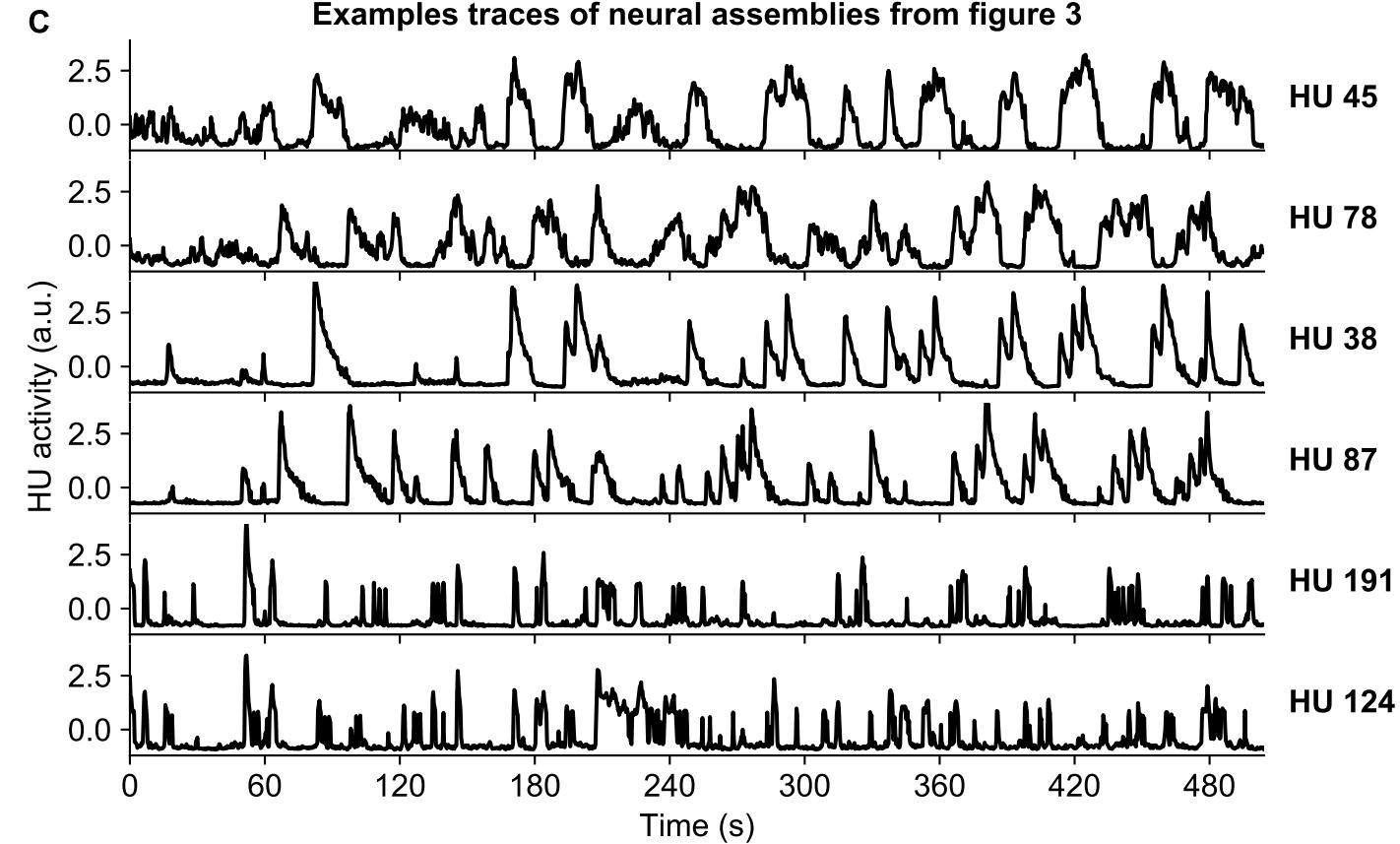
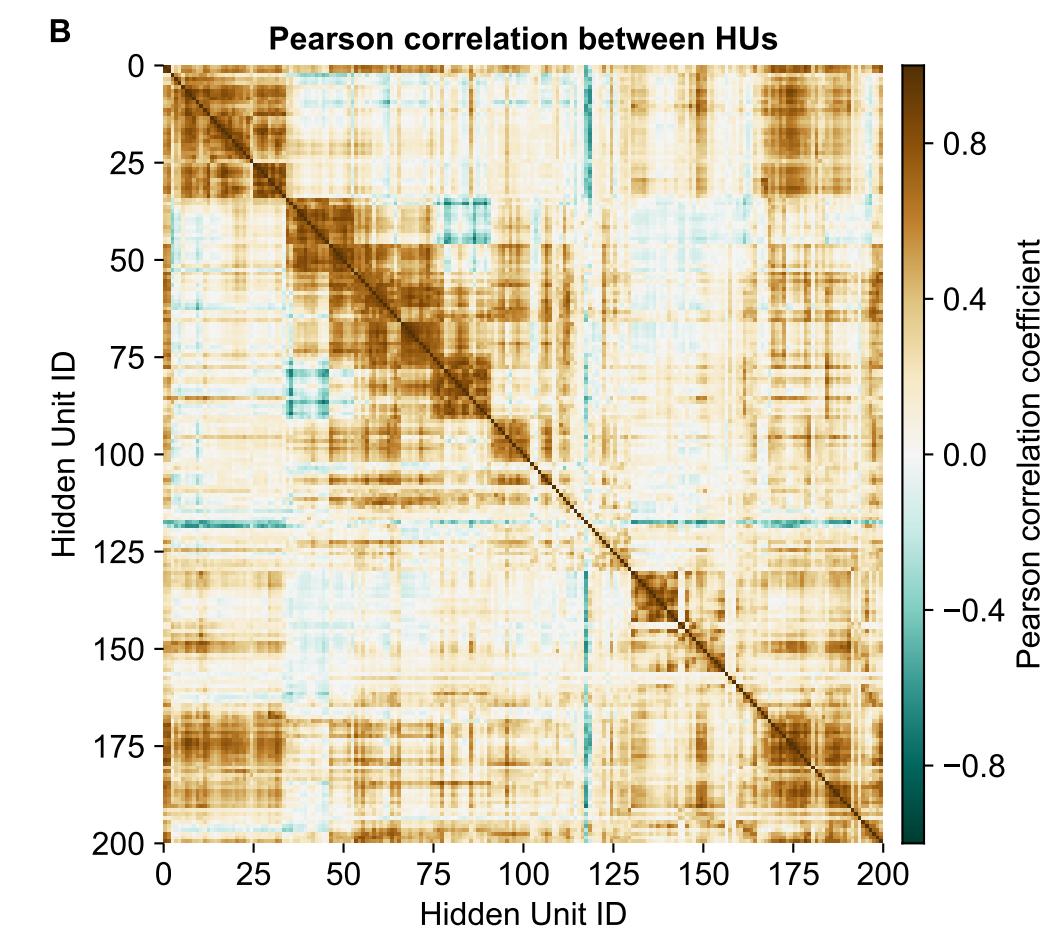
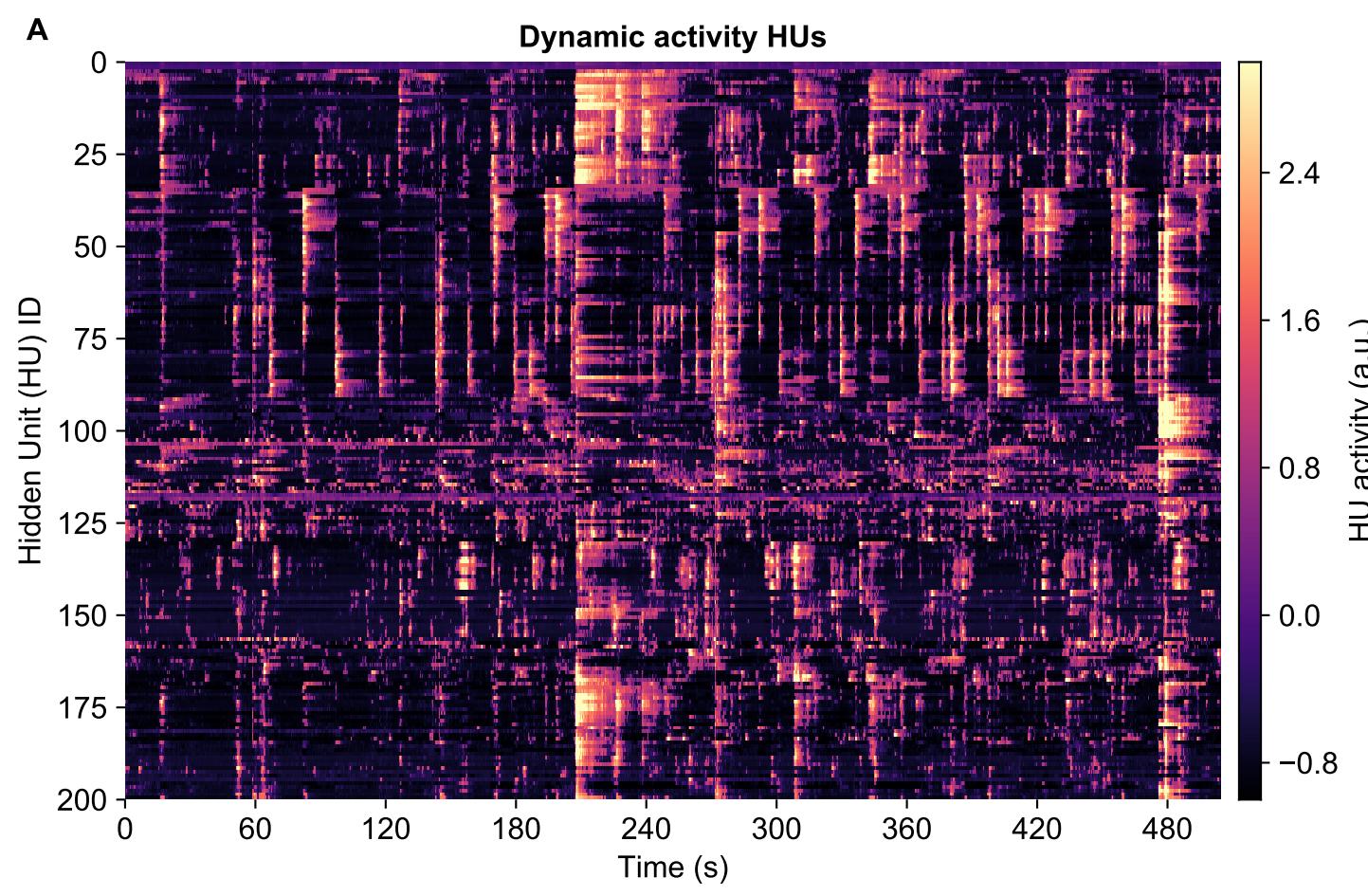
Groups of example assemblies, selected by anatomy

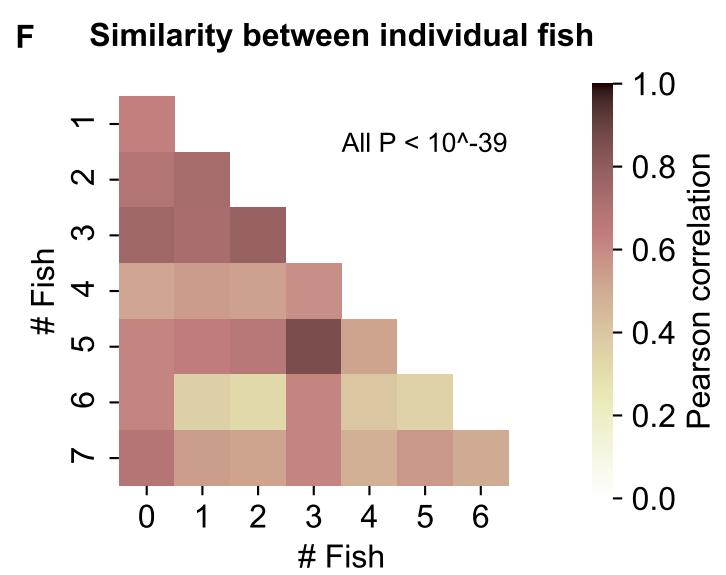
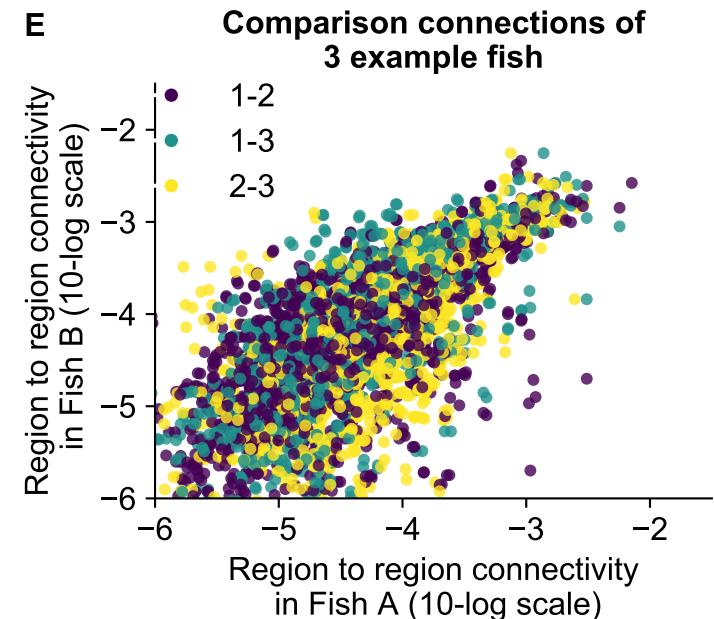
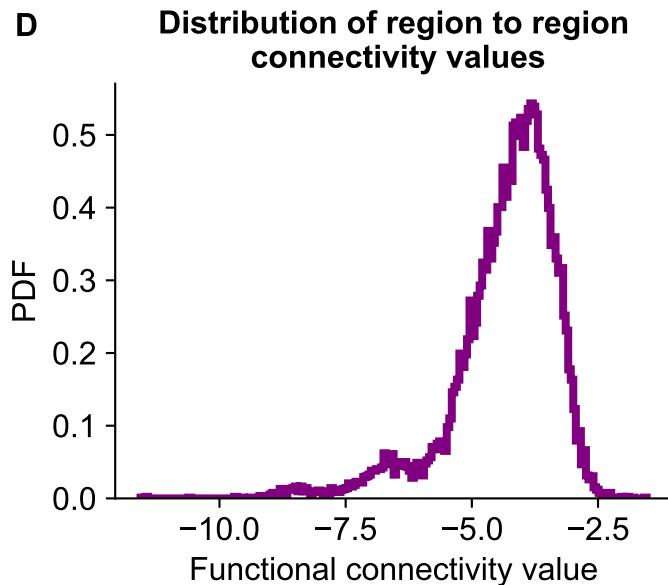
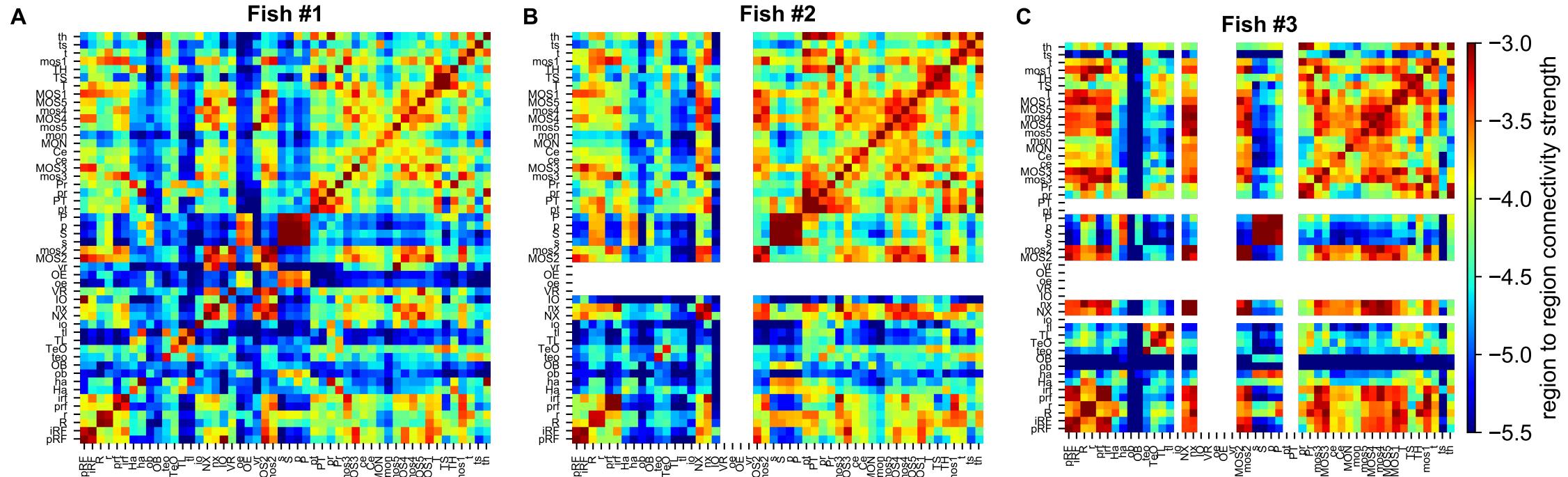


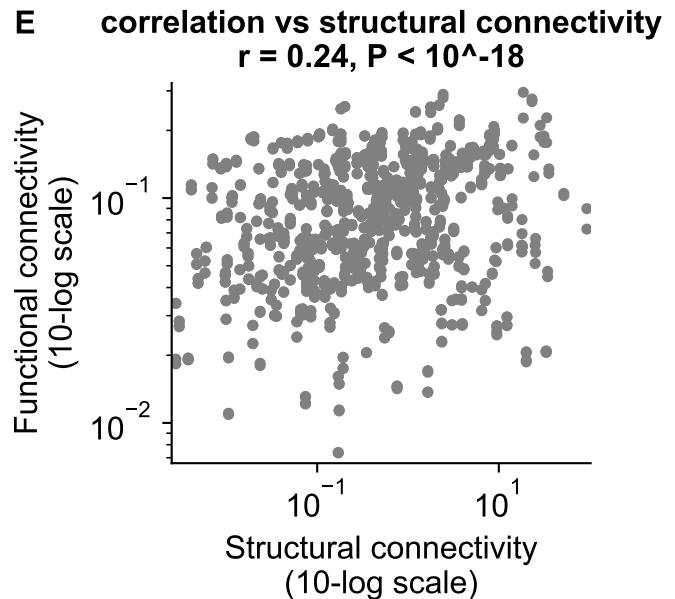
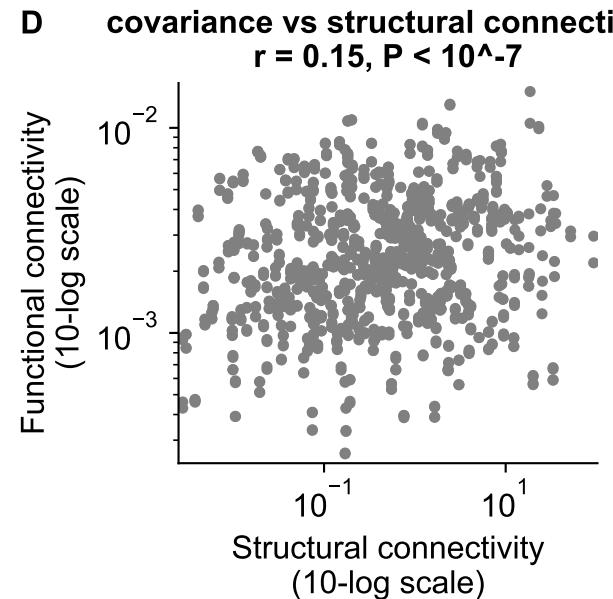
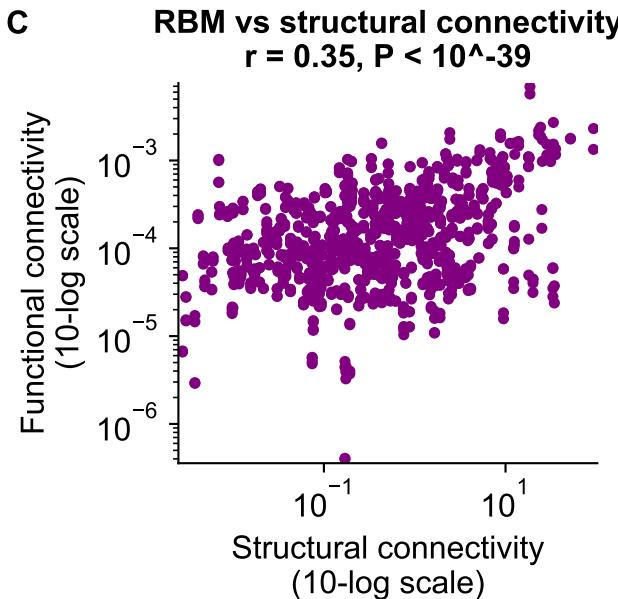
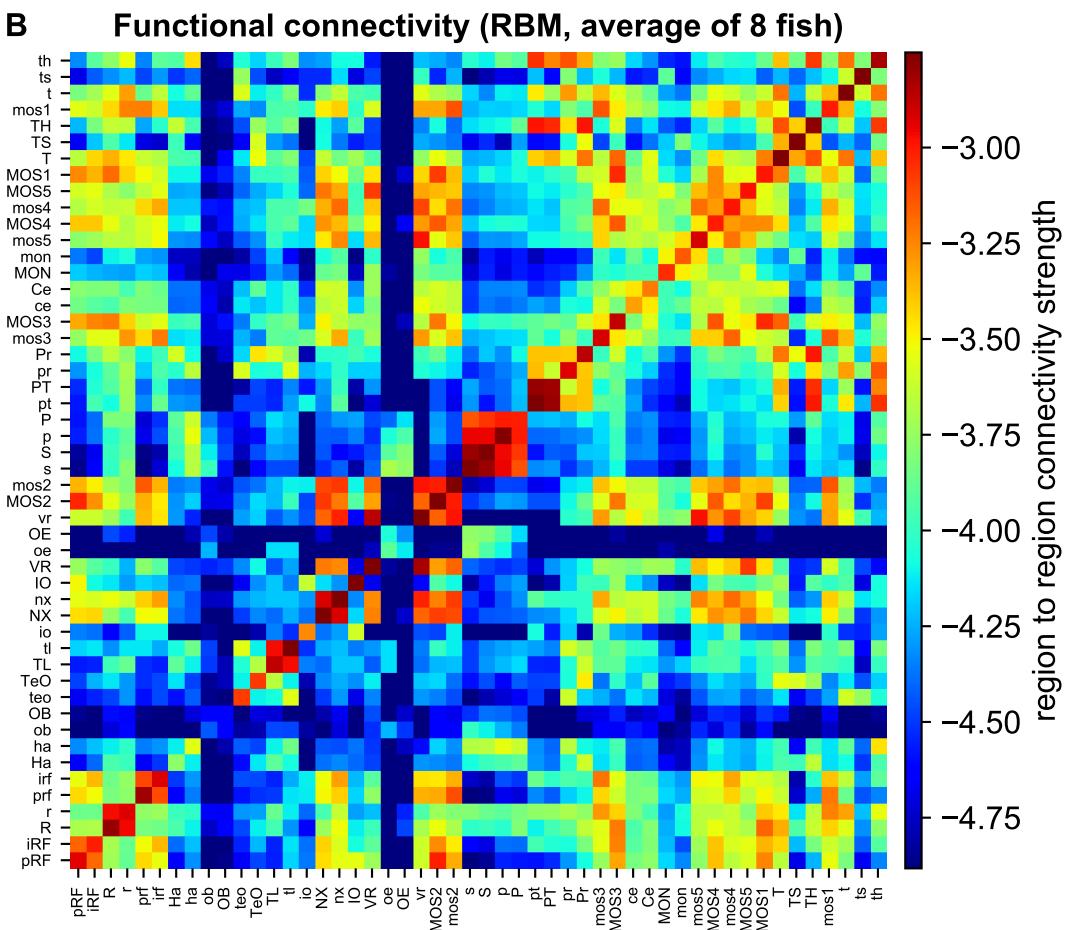
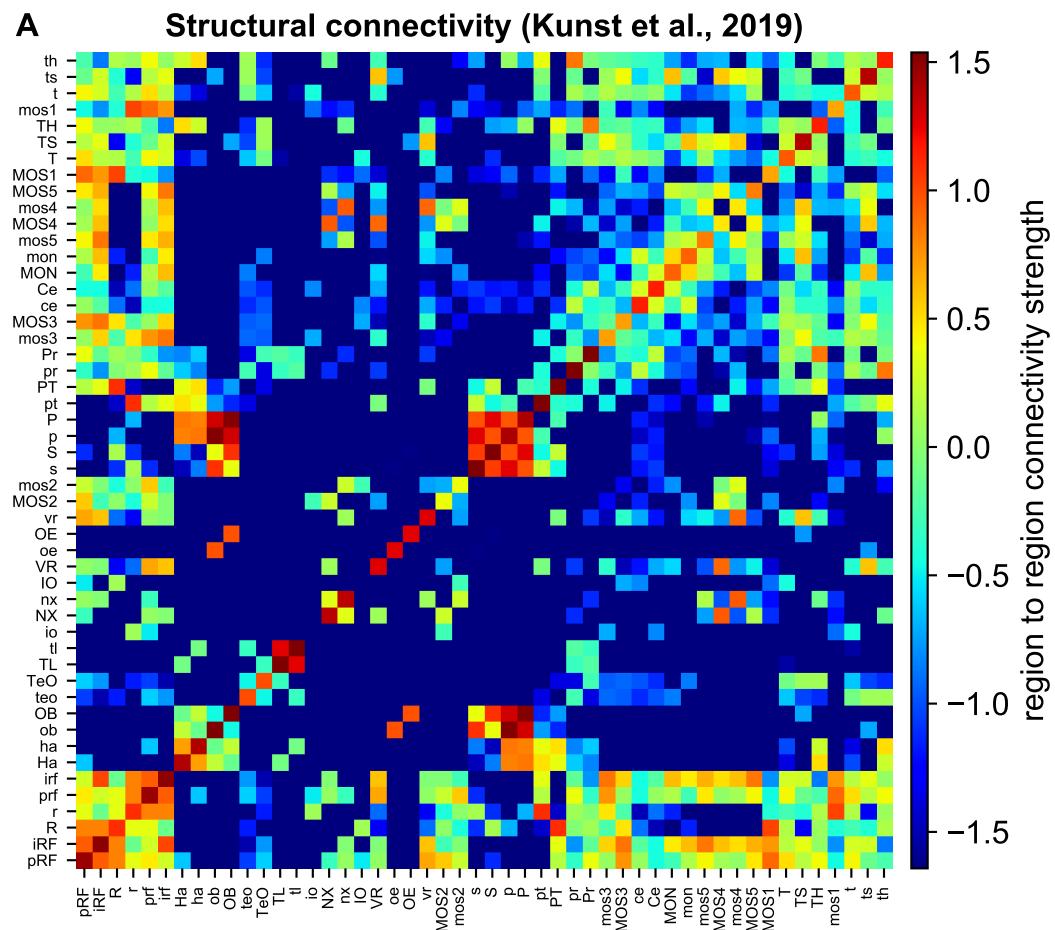
Individual example assemblies





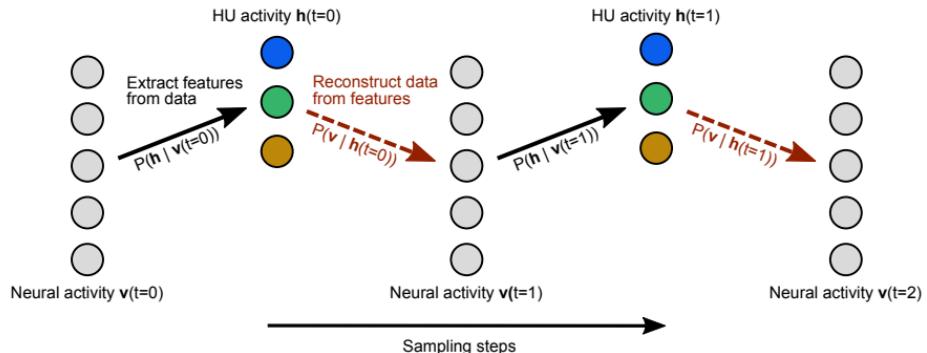
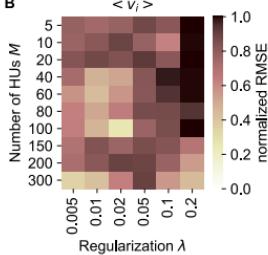
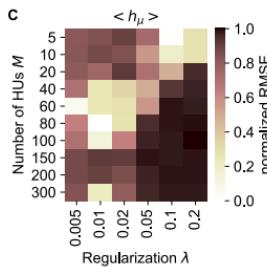
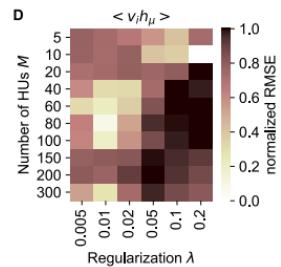
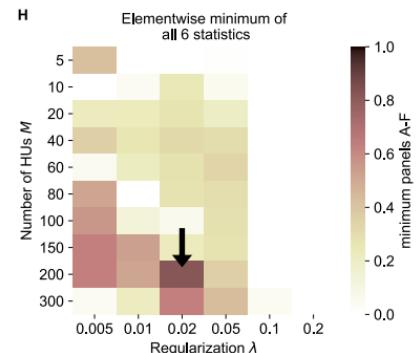
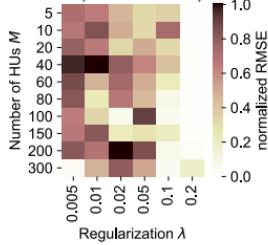
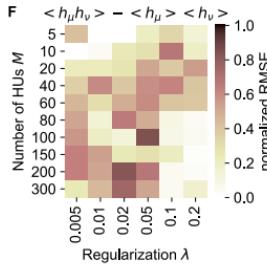
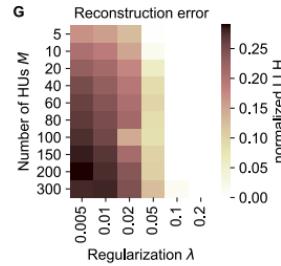






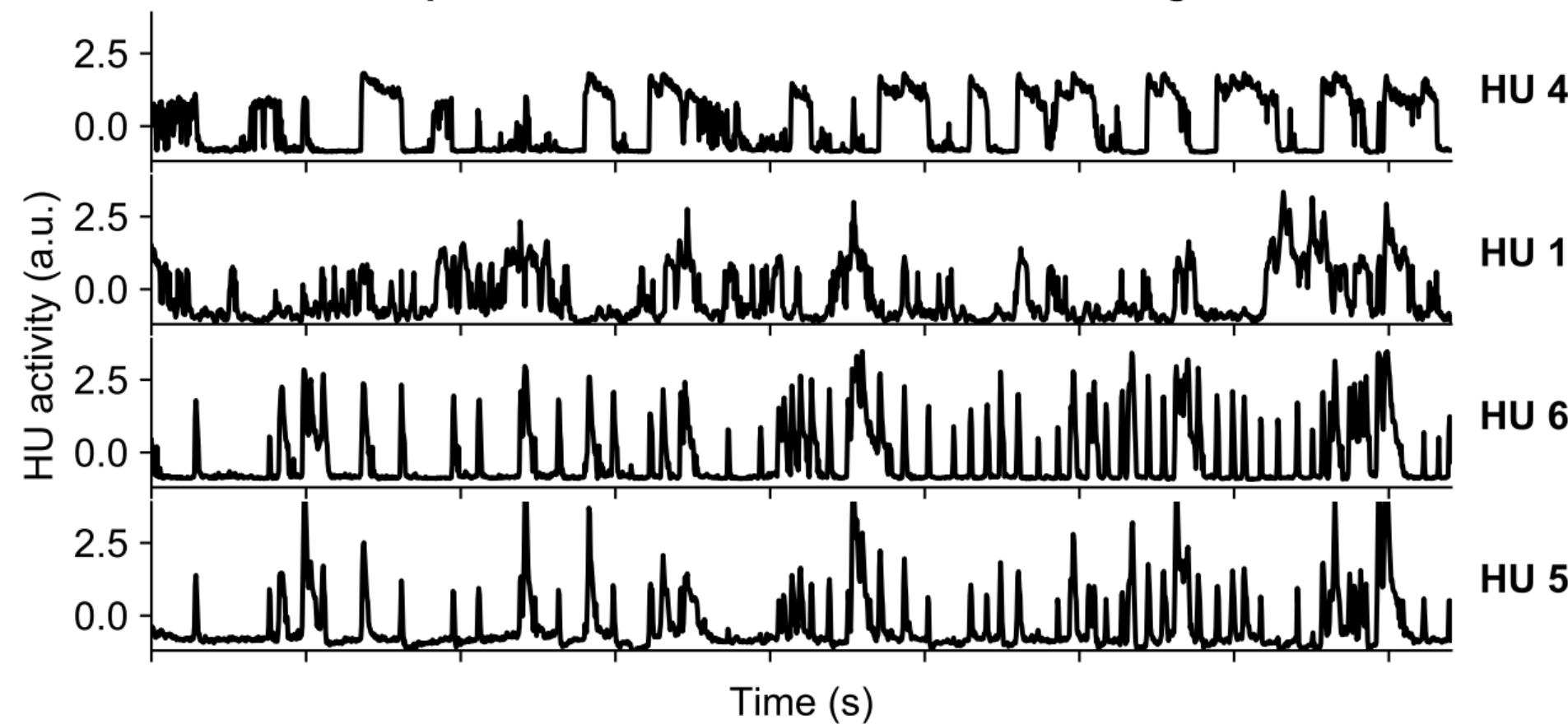
**A**

## Artificial data generation schematic

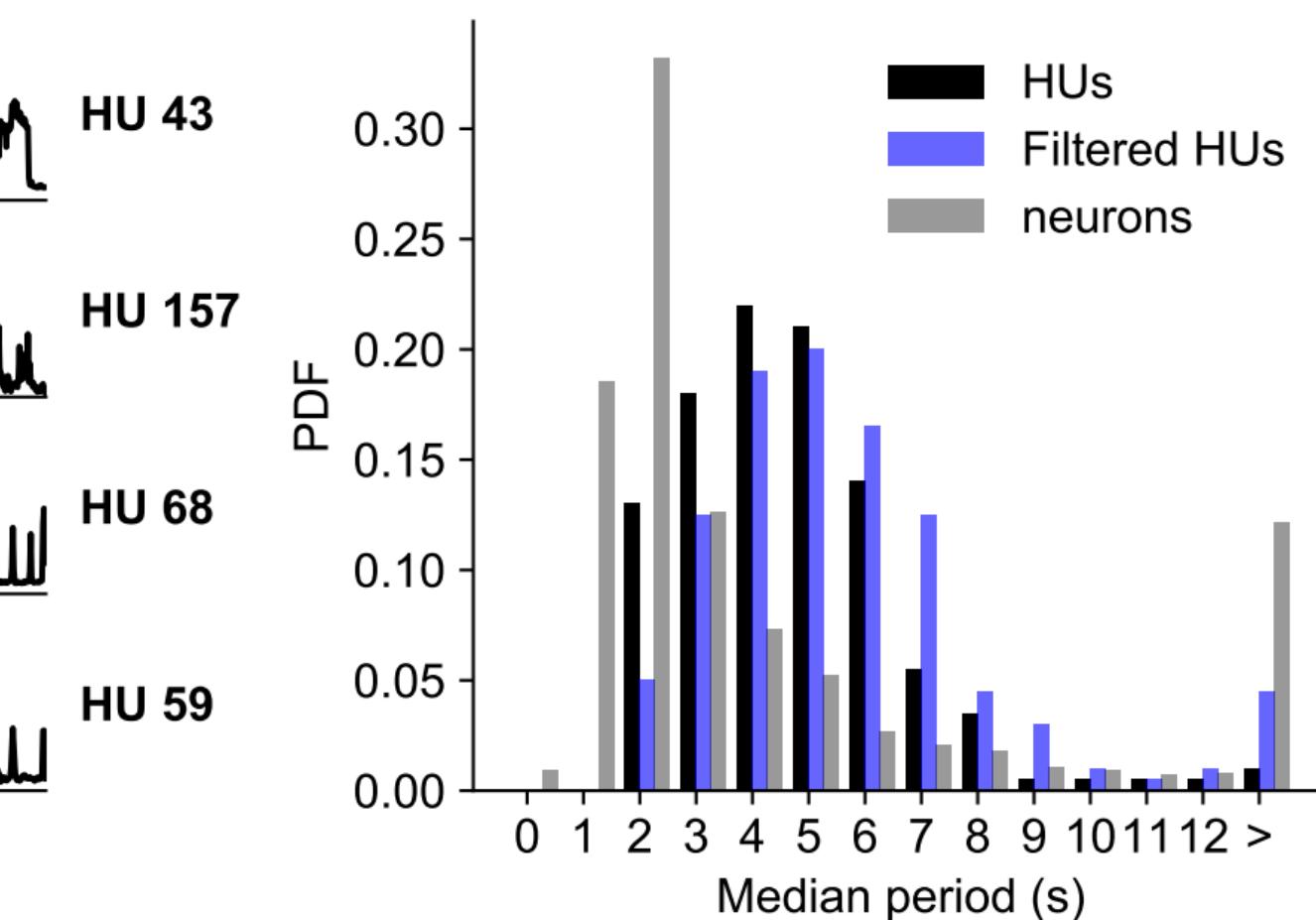
**B****C****D****H****E****F****G**

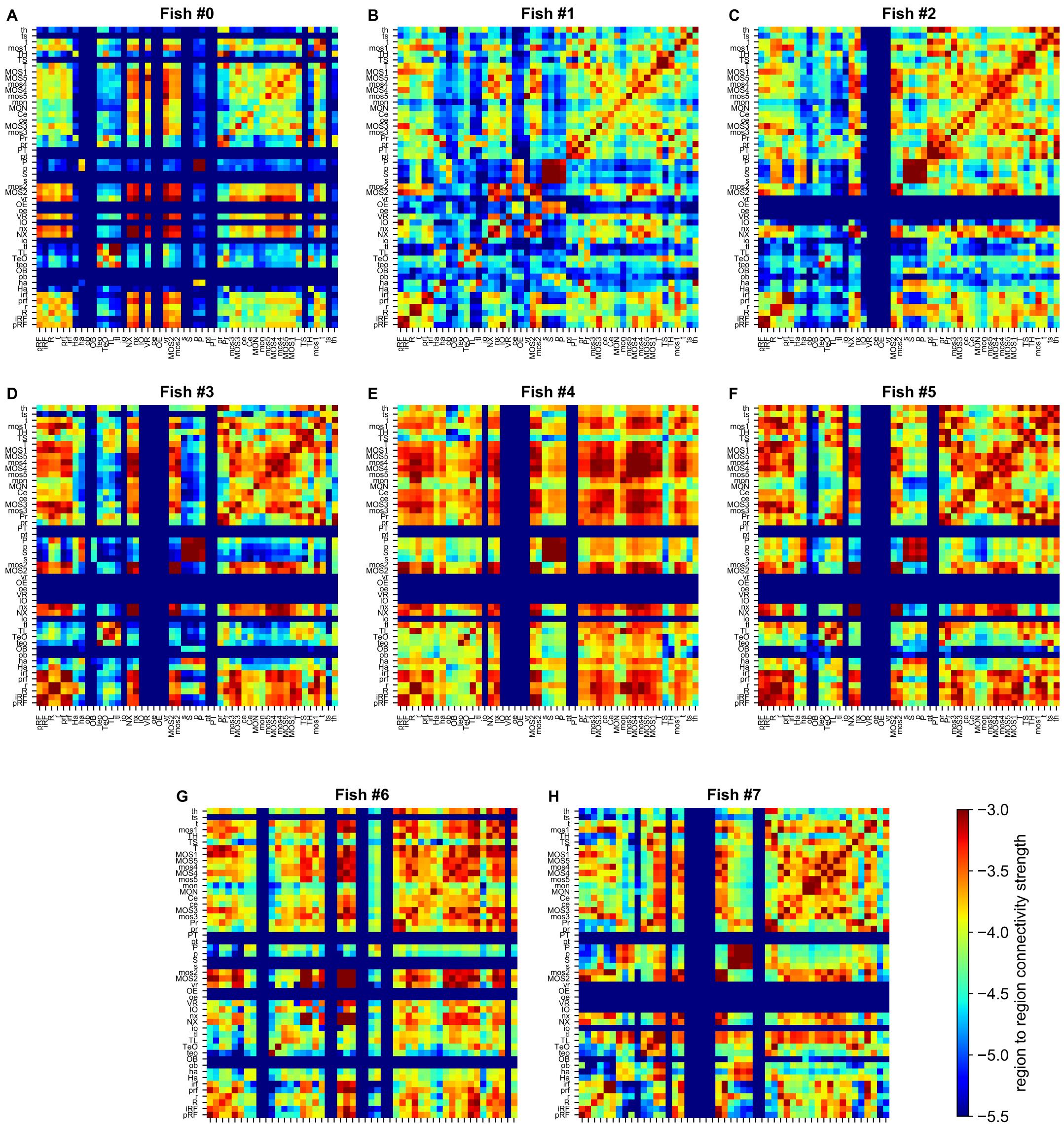
minimum panels A-F

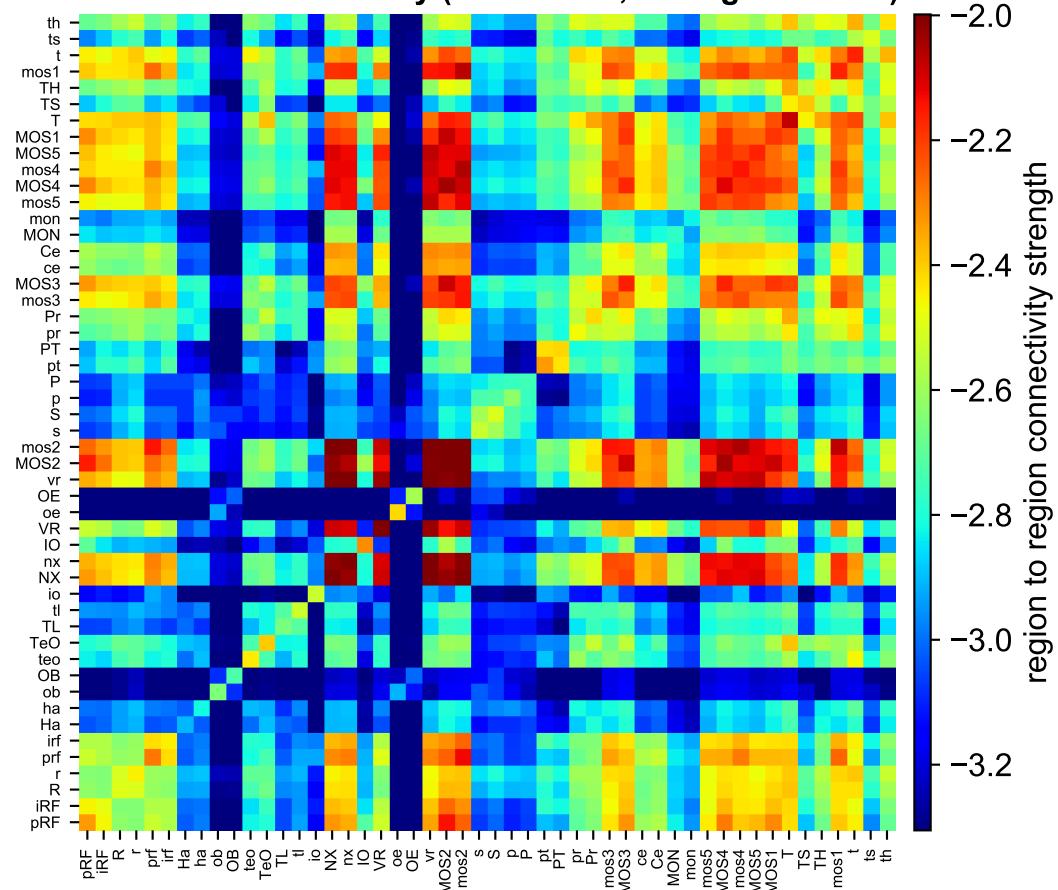
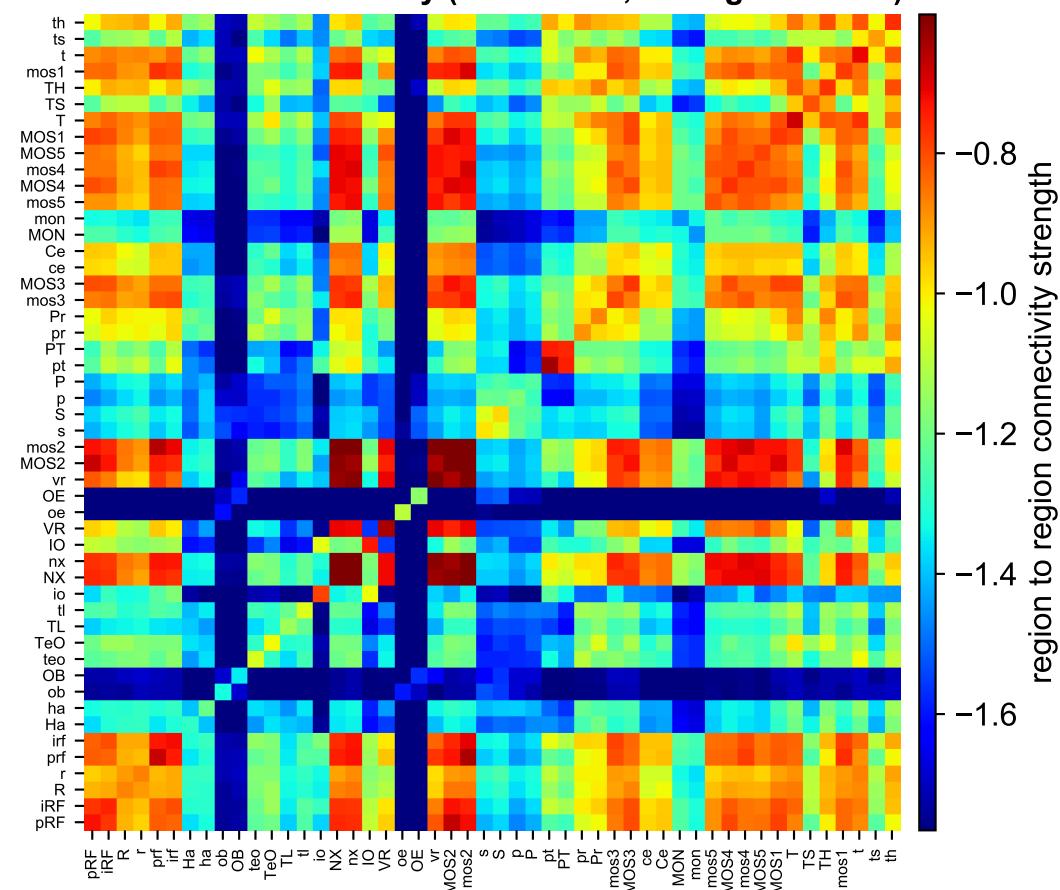
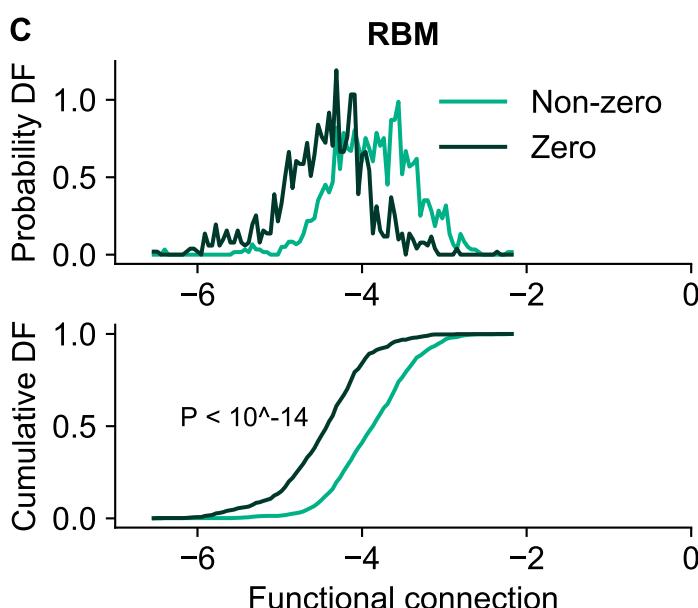
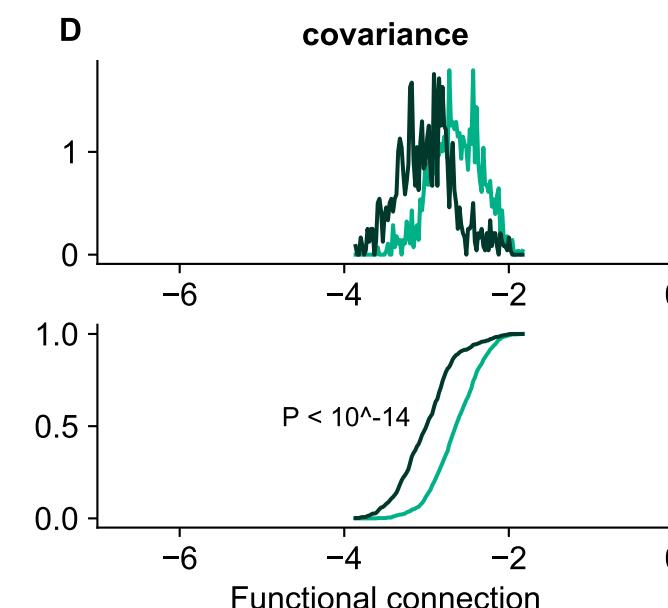
Examples traces of neural assemblies from figure 3



Auto-correlation time constant





**A Functional connectivity (covariance, average of 8 fish)****B Functional connectivity (correlation, average of 8 fish)****RBM****covariance****correlation**