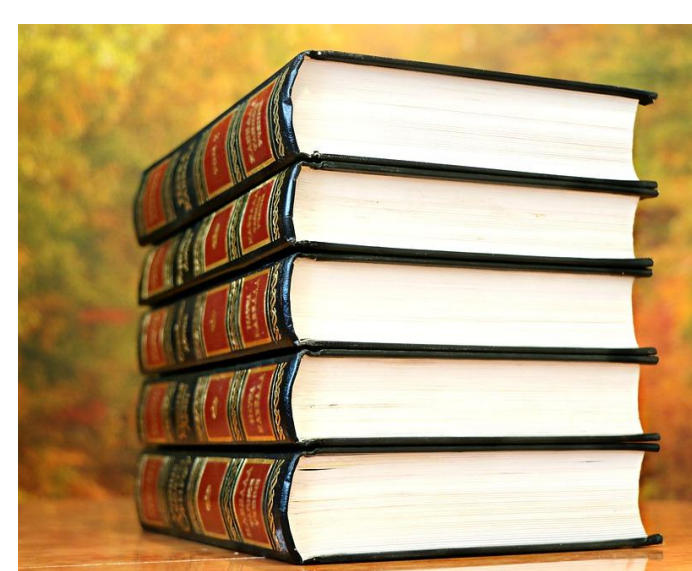




Text Mining



x 10

Novel
treeline
Mixed
shrubland
Native
forest
Pine
forest

Site - Species matrix

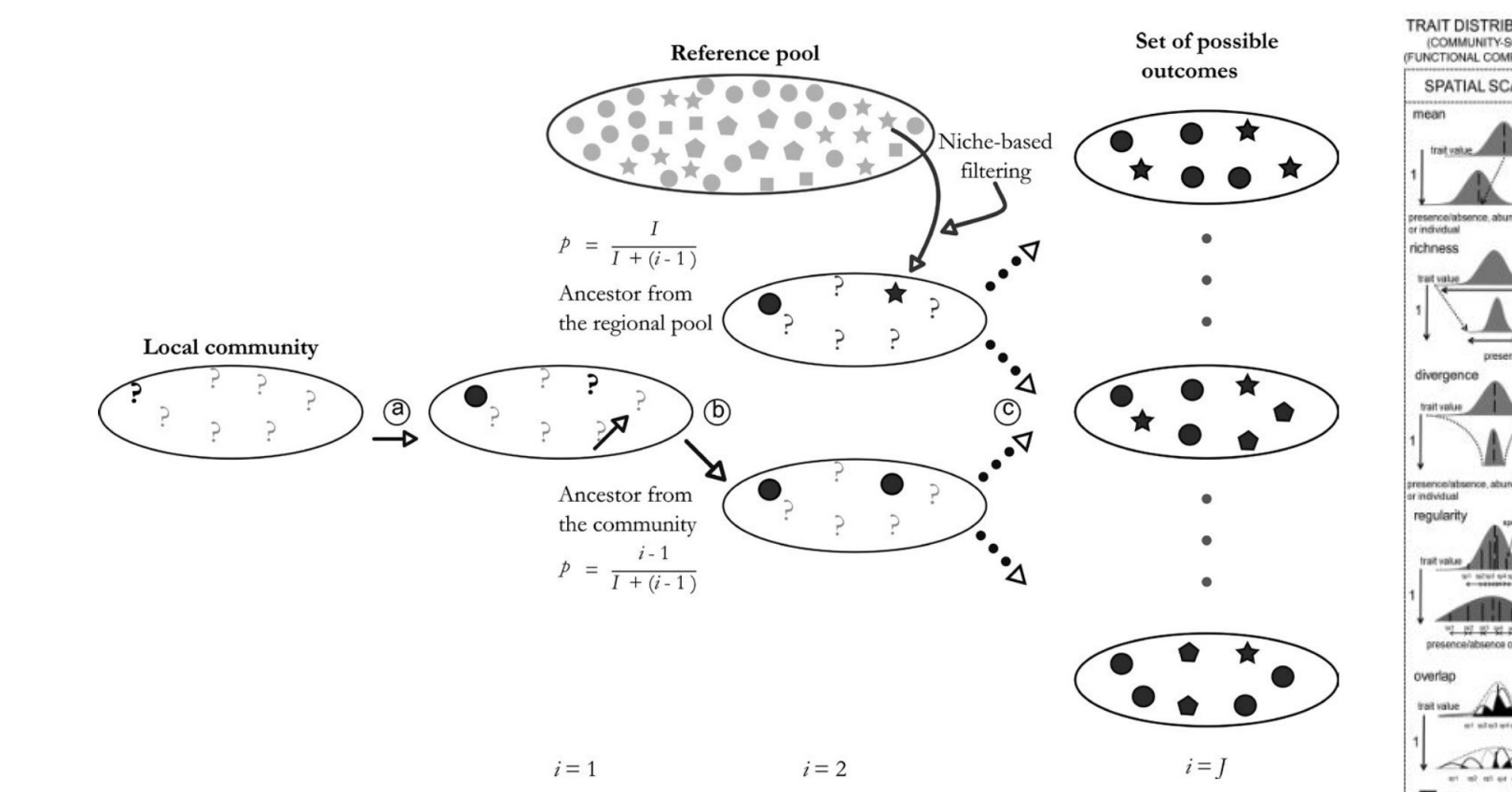
	Sp. 1	Sp. 2	Sp. 3	Sp. 4	Sp. 5
Com. 1					
Com. 2					
Com. 3					
Com. 4					

Trait - Species matrix

	Com. 1	Com. 2	Com. 3	Com. 4	Com. 5
Trait. 1					
Trait. 2					
Trait. 3					
Trait. 4					

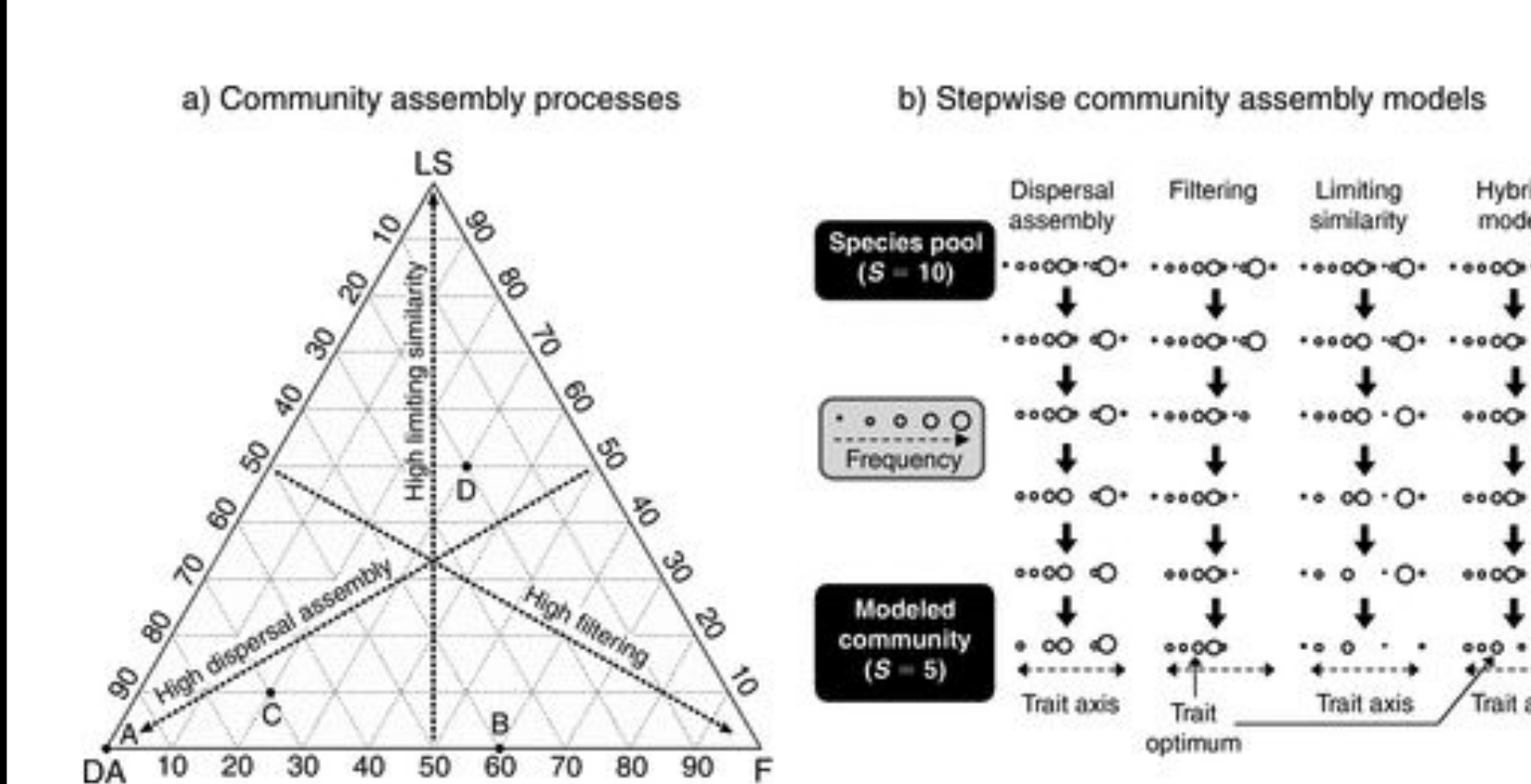
a) Community assembly mechanisms

1) Coalescent based simulations



- Differential effect of trait combinations
- Reference pool effect

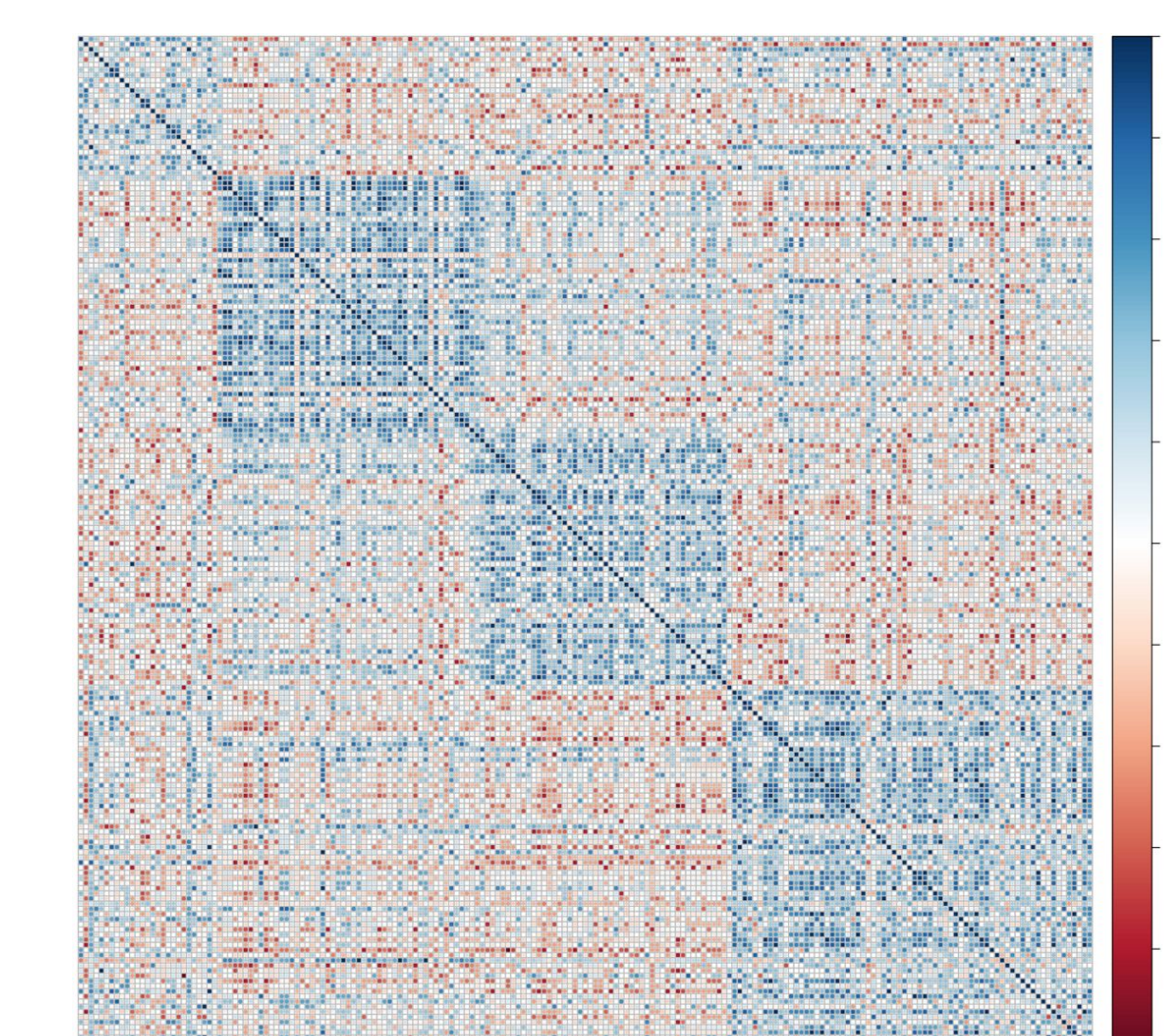
2) Stepwise assembly model



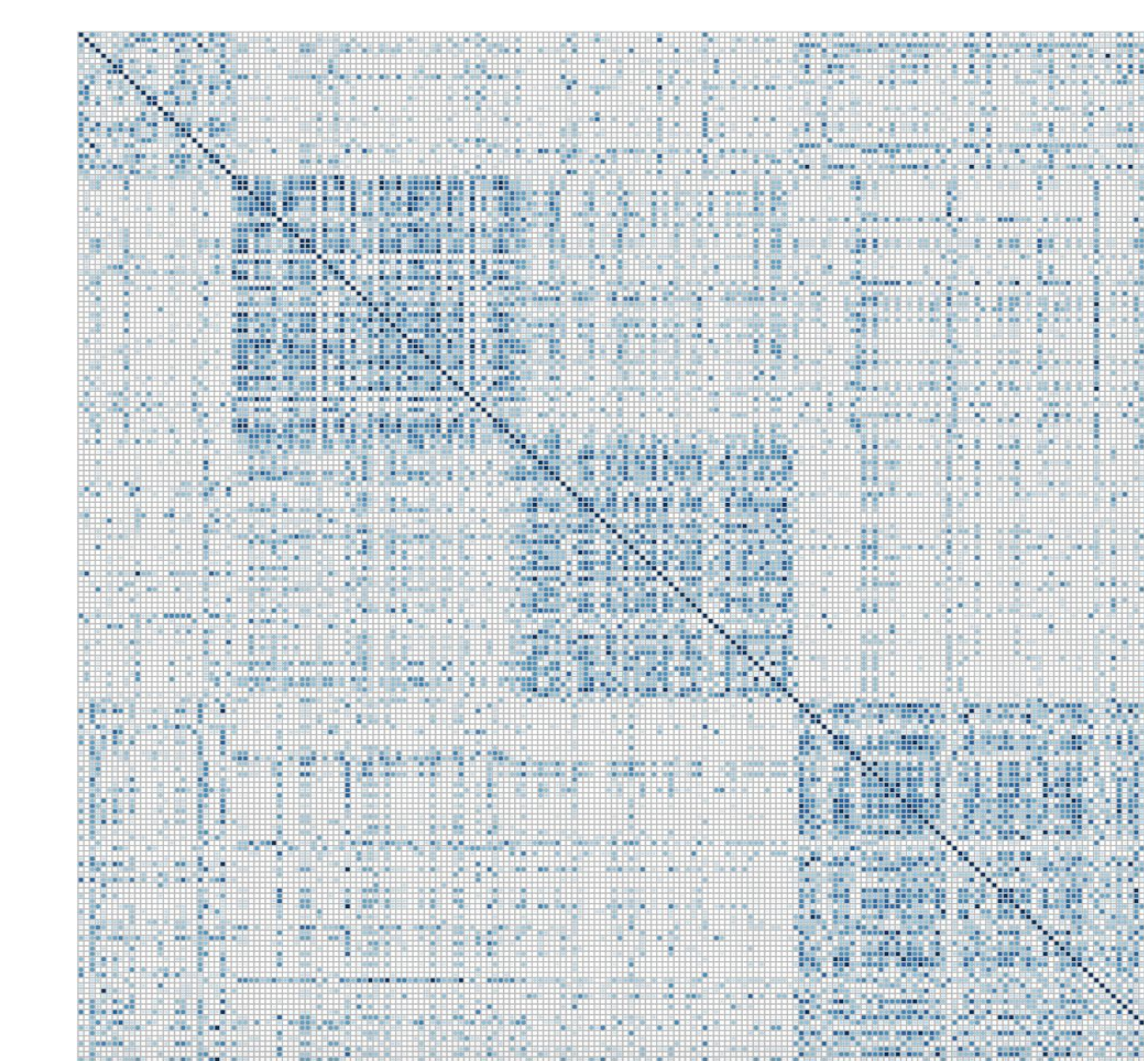
- Relative effect of neutral vs niche-based

b) Trophic network reconstruction

1) Co-occurrence matrix



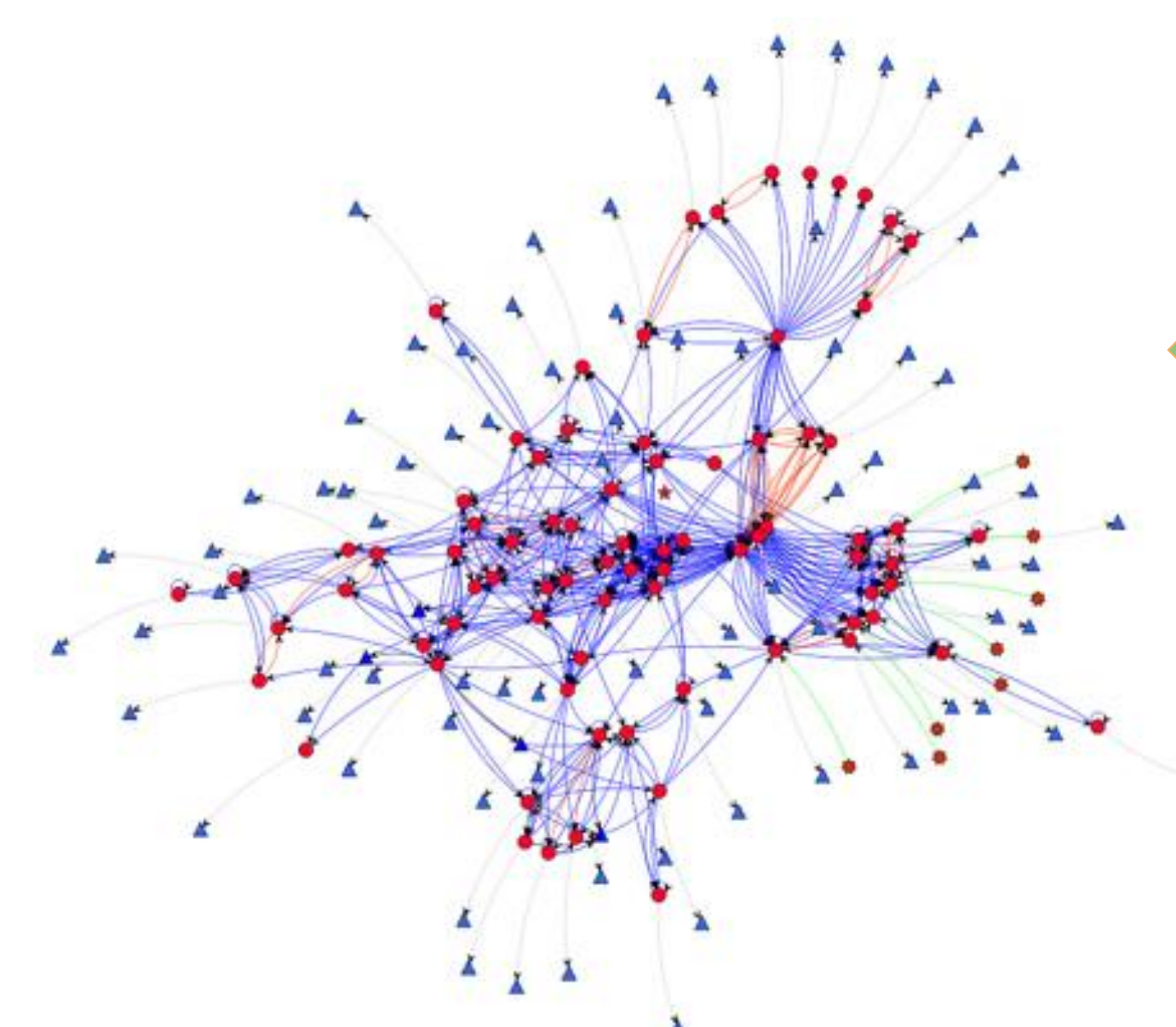
2) Pruning interactions



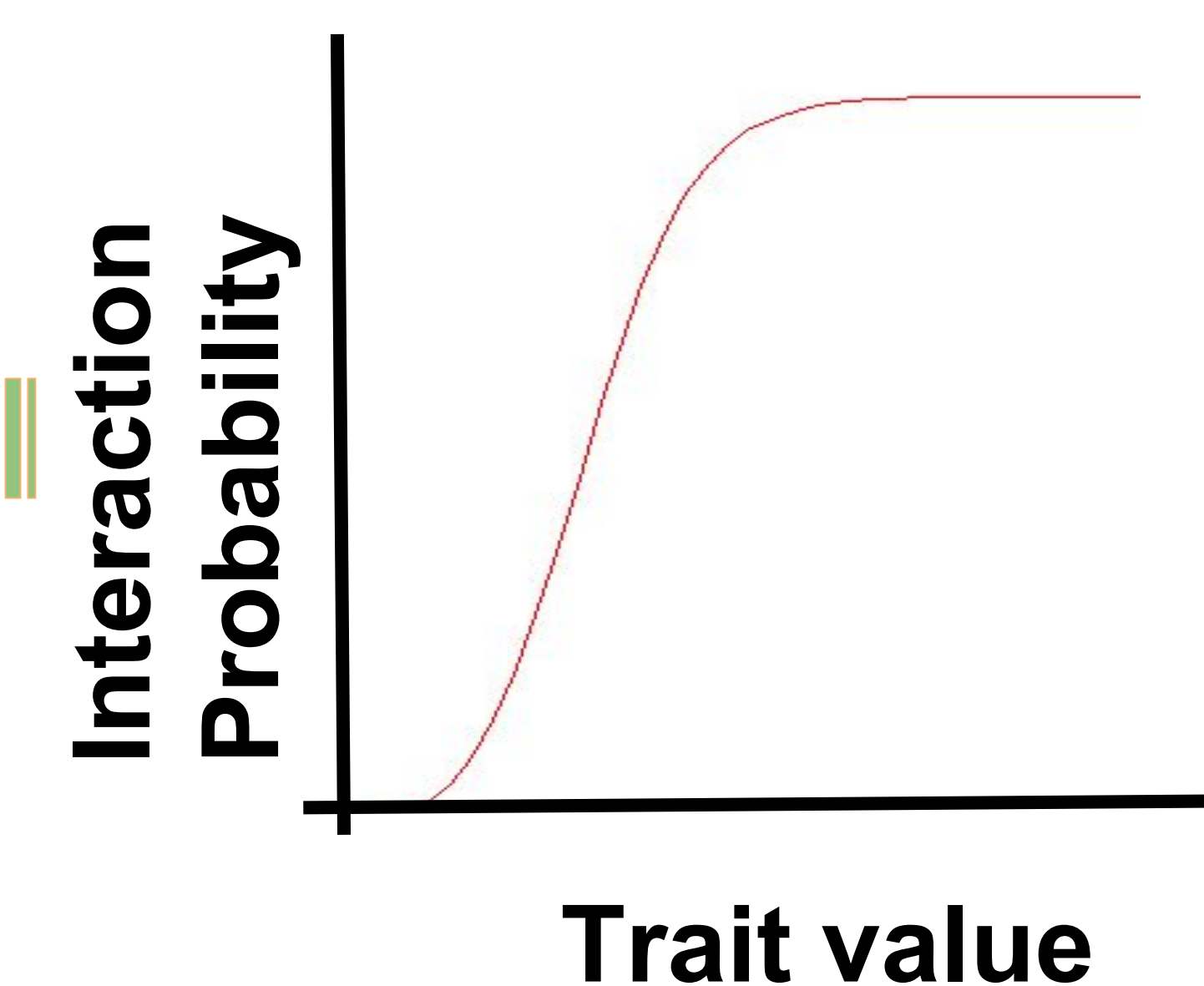
- Thresholds

- Whole community
- Major taxa levels
- Null network model (significance)

4) Reconstruct trophic metanetwork



3) Infer specific associations



c) Correlation between functional and network structure

