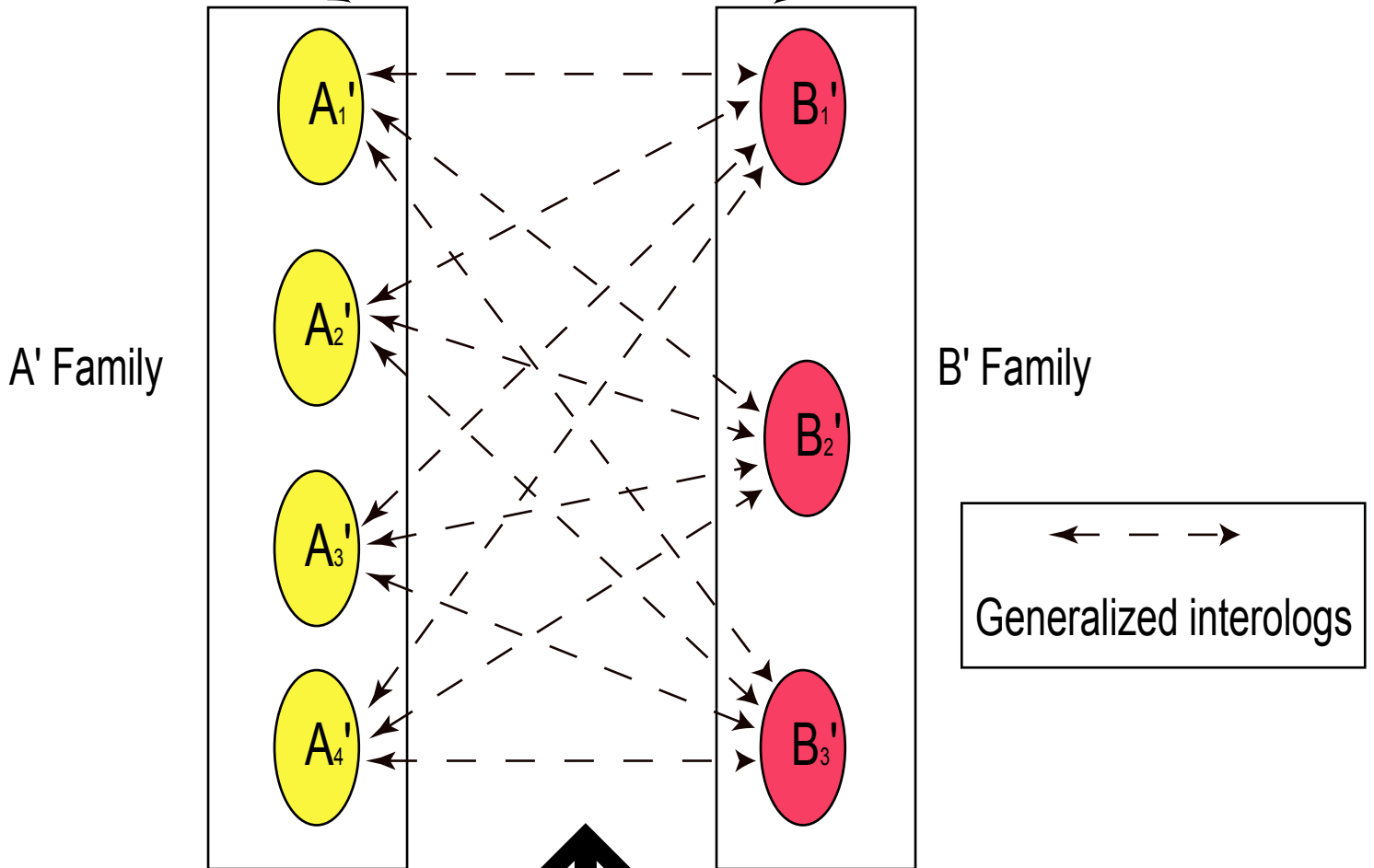


Figure 1A

Target Organism (e.g. Yeast)

Interacting Families



Homologs

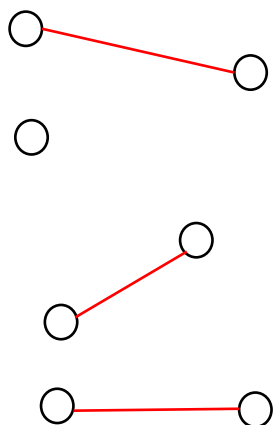
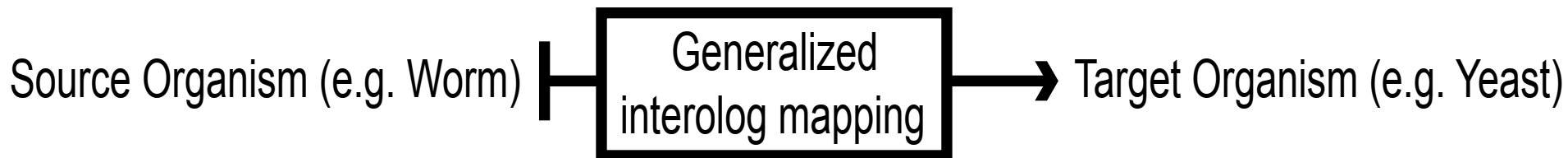
**Generalized Interologs with many possible  $J_{AB}$**

Homologs

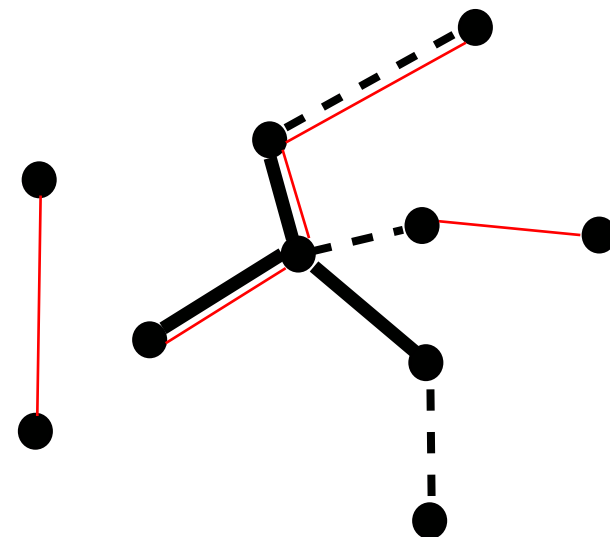


Source Organism (e.g. Worm)

Figure 1B



— Known interactions (e.g. determined by two-hybrid experiments in worm)



— Predicted generalized interologs based on the interactions in the source organism

— Gold standard positive interactions in the target organism (from MIPS complex catalog)

- - - Gold standard negative interactions in the target organism (from localization dataset)

— True positives (e.g. predictions that overlap with the gold standard positives)

- - - False positives (e.g. predictions that overlap with the gold standard negatives)

Figure 1C

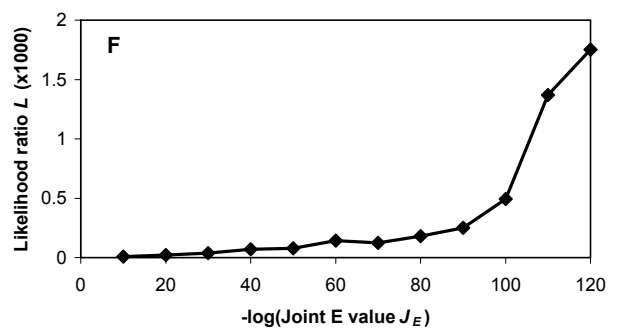
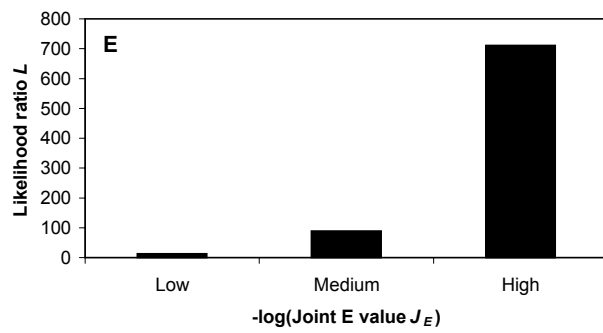
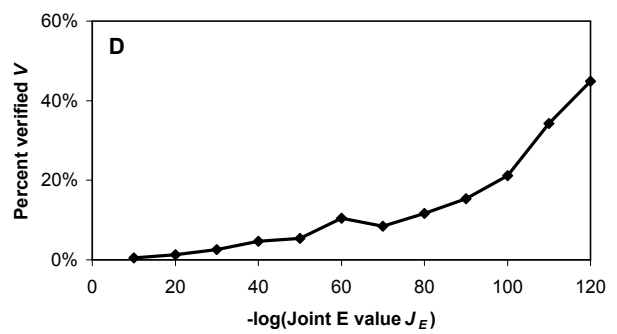
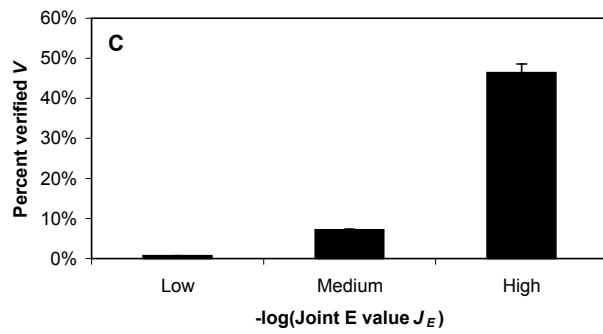
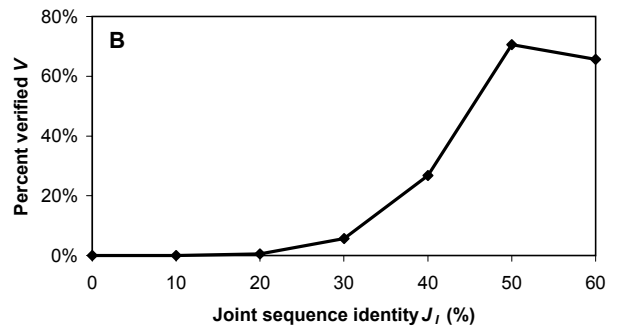
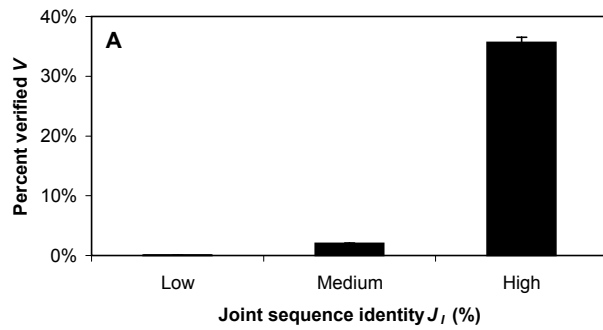


Figure 2

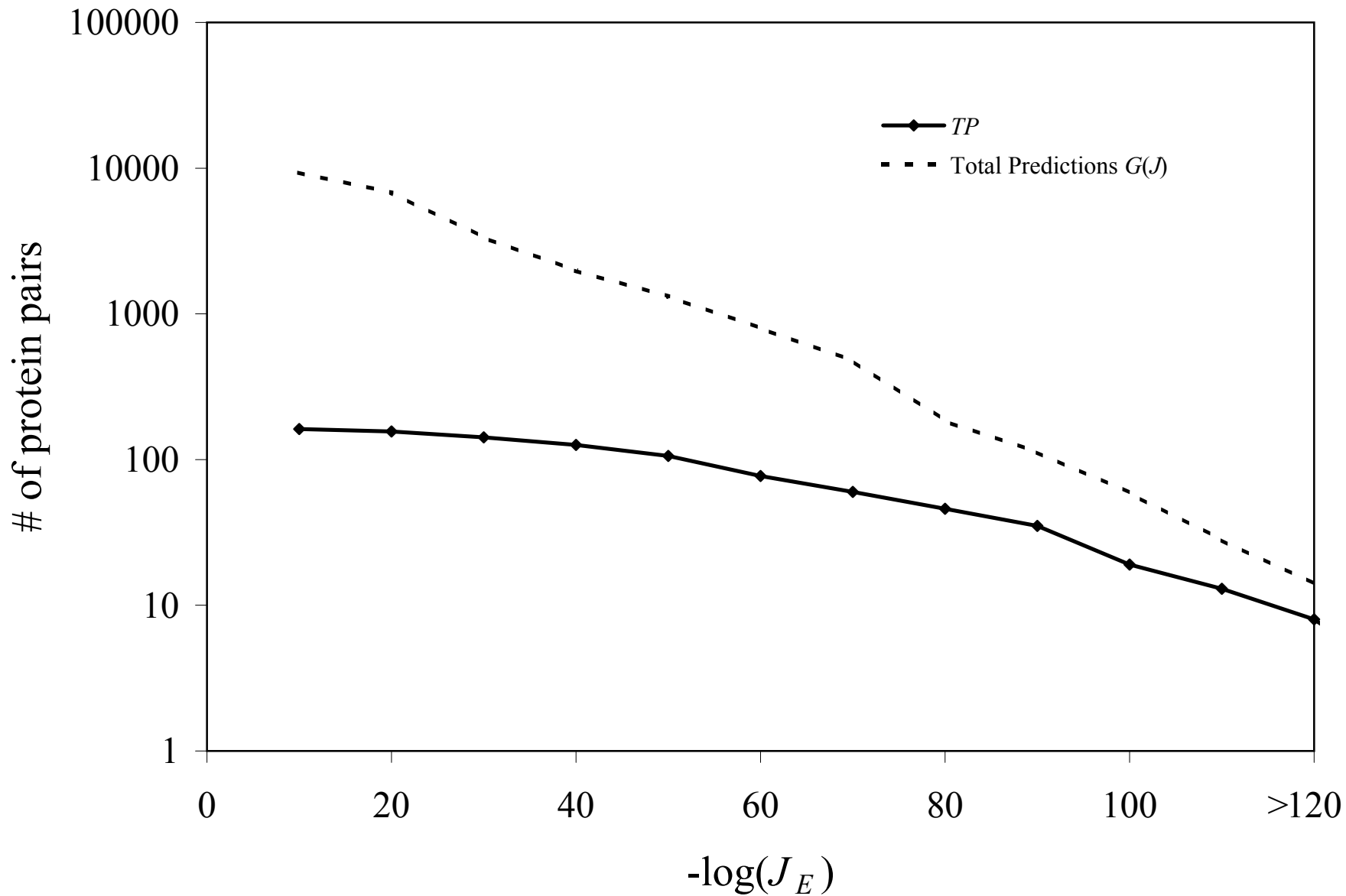


Figure 3

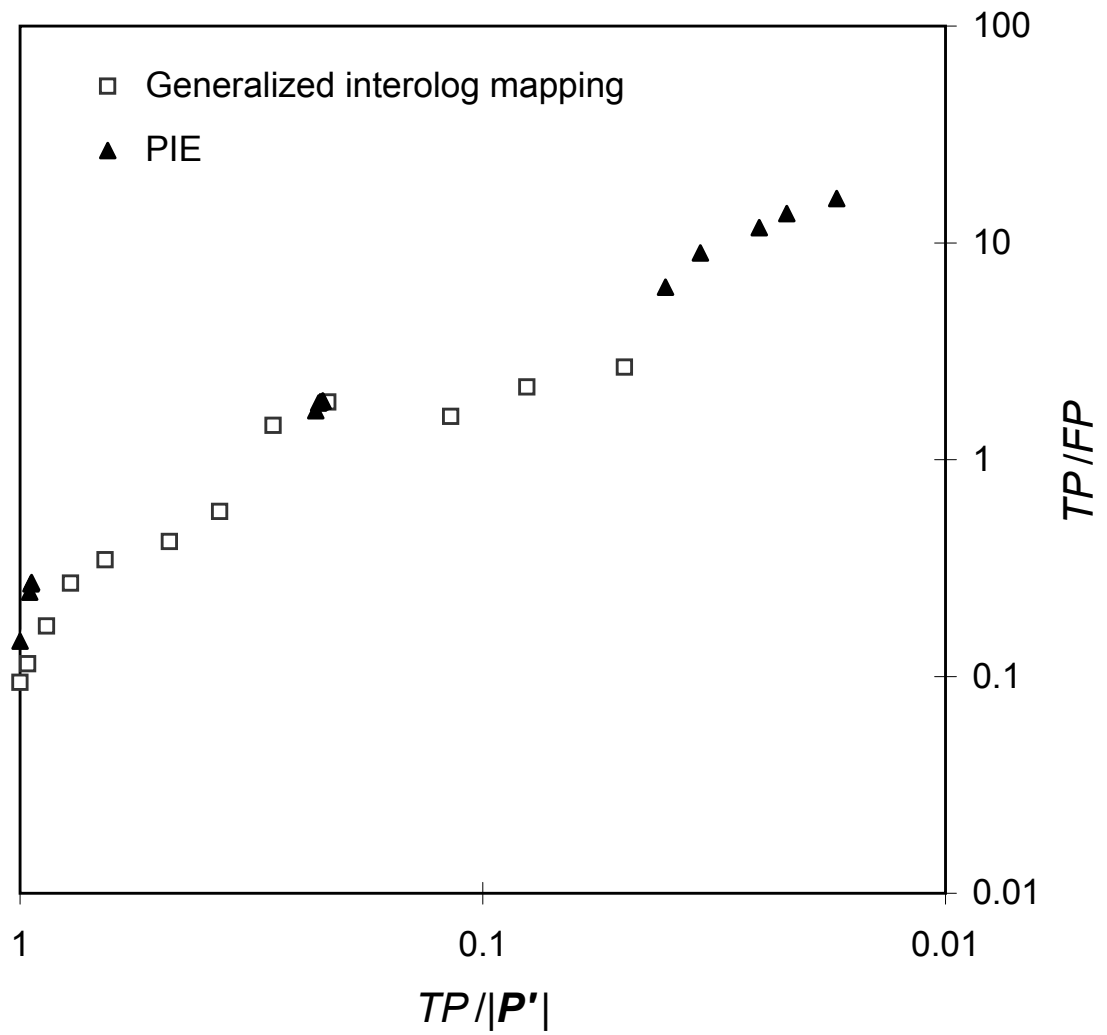
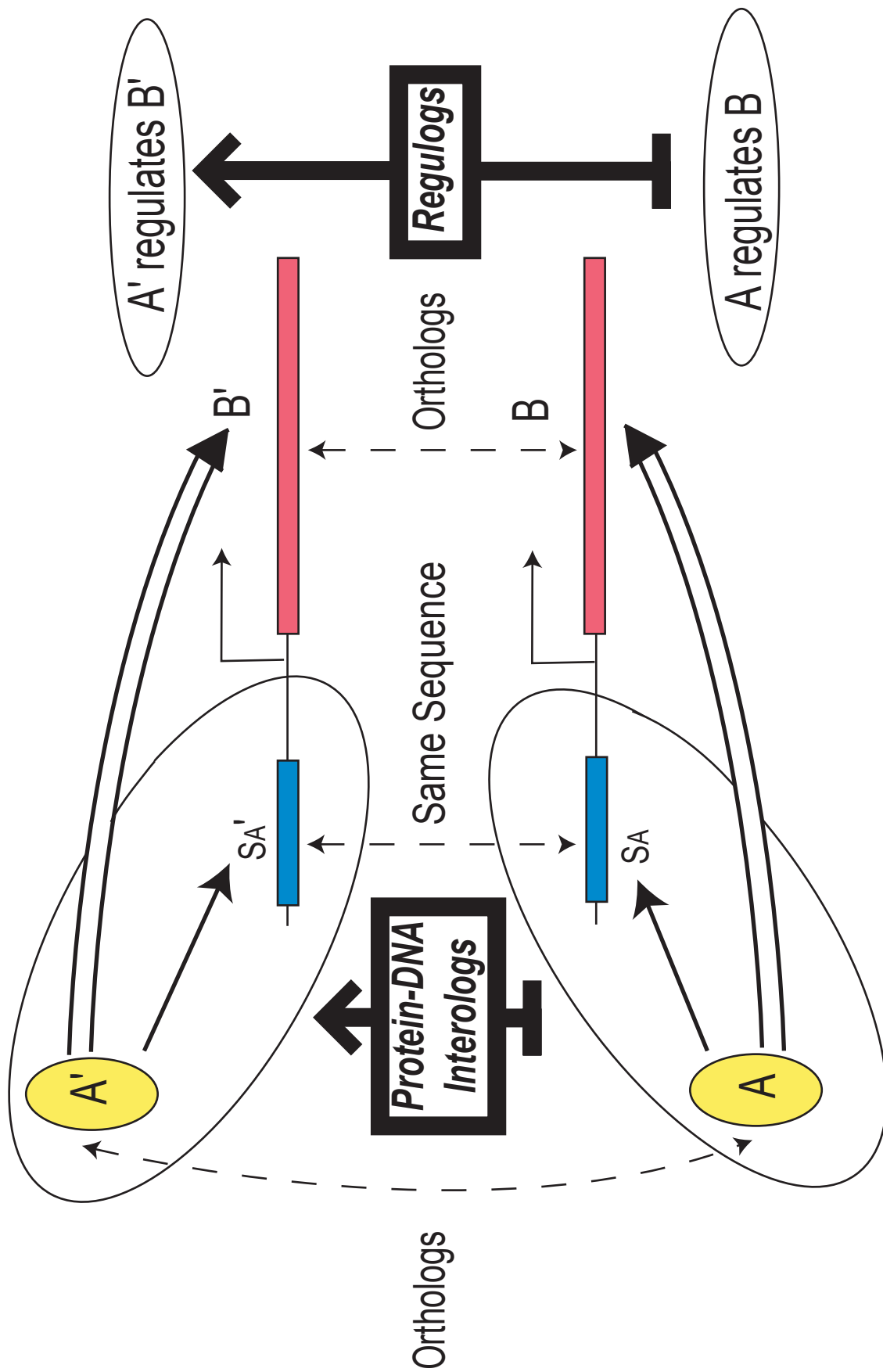


Figure 4

Target Organism (e.g. Fly)



Source Organism (e.g. Yeast)

Figure 5

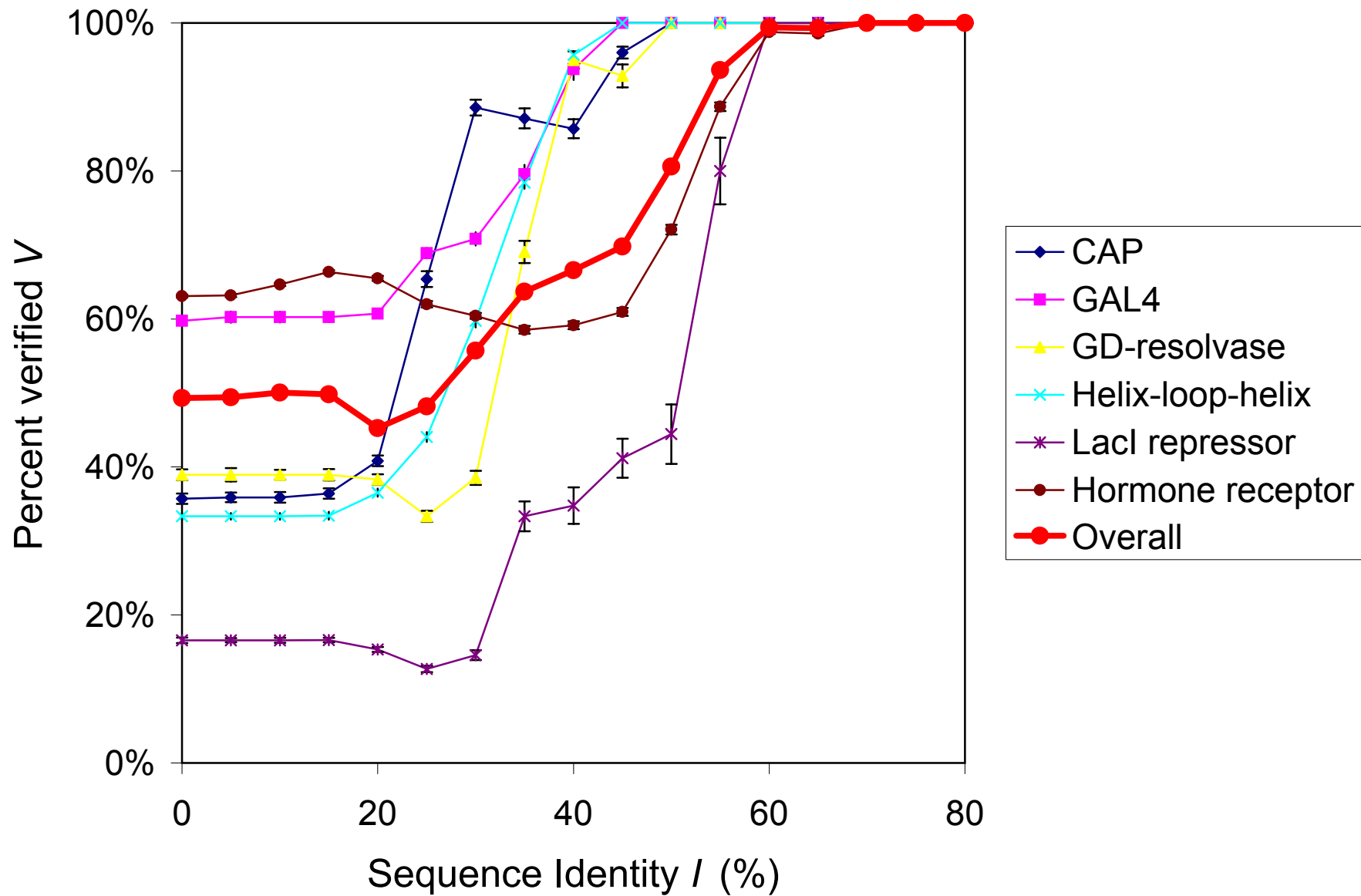


Figure 6

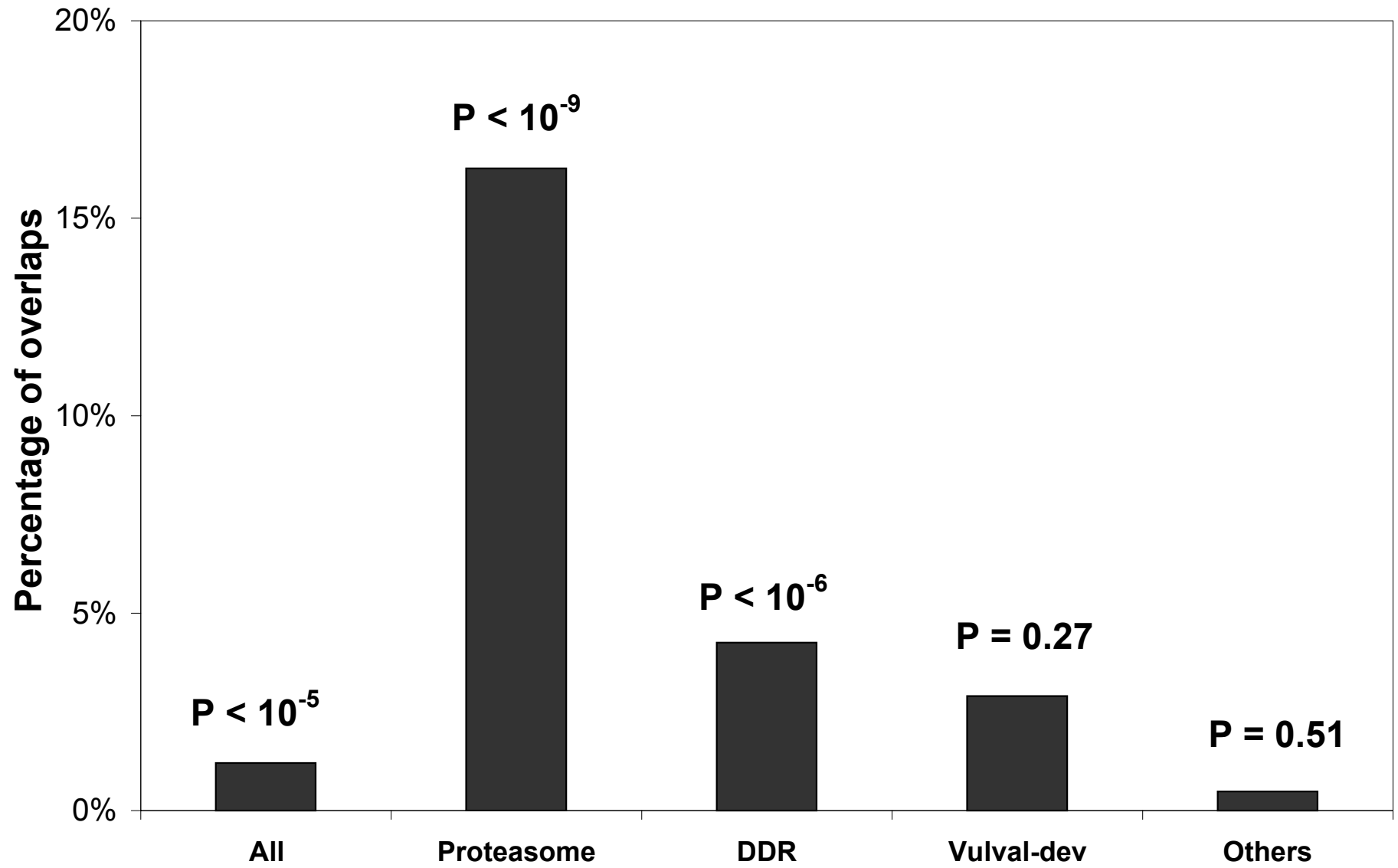


Figure 7

# Interolog/Regulog Database

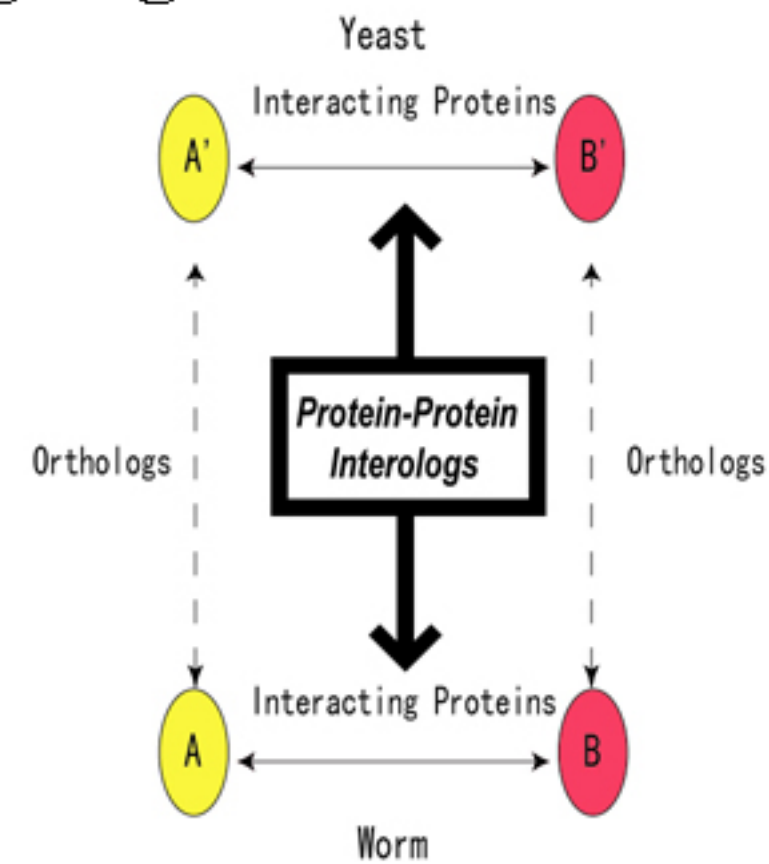
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## 1. Interologs

### Example

Choose organism:

Input protein:



## 2. Regulogs

### Example

Choose organism:

Input protein:

