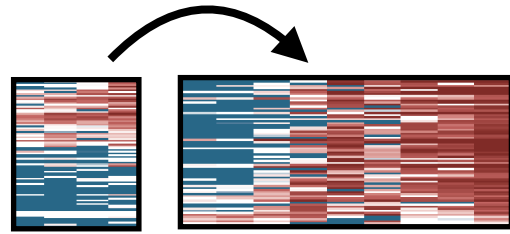


1. Co-expression

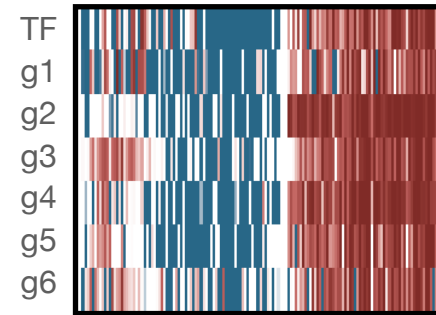
TFs expression used to predict gene expression



Random Forest regression
GRNBoost2

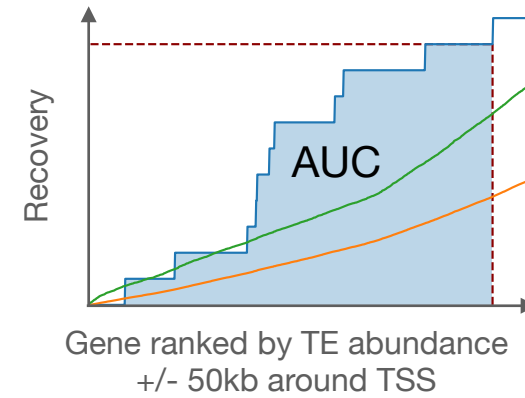
2. Modules

Generation of modules of co-expressed TFs / targets



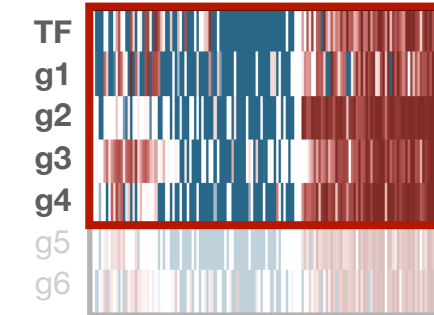
3. TE enrichment

TE ability to recover genes in modules as AUC values



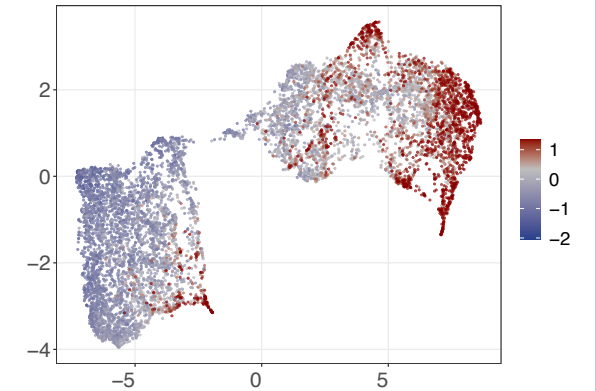
4. Pruning

Pruning regulons to keep only known TF->TE interactions



5. Activity

Computing regulon activity with z-score aggregation

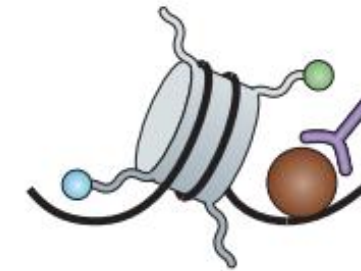


alTErego

Arboreto, Aibar et al. 2017

TF->TE enrichment

Getting enrichment of peaks in
TE sequences from ChIP-seq



ENCODE, Imbeault et al. 2018

pyTEnrich