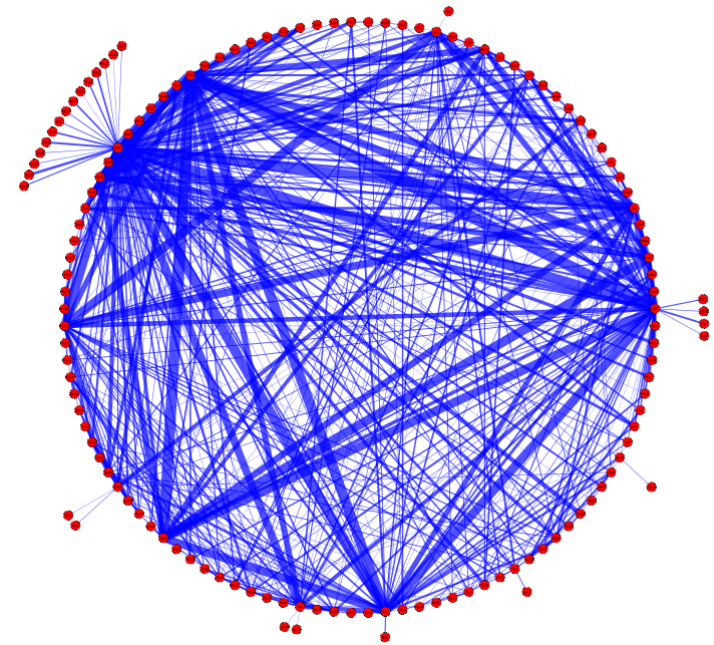


Overview

- TF co-association
 - Global view
 - Clusters
 - Region specificity
 - Cell-line specificity
 - Properties of co-associating TF
- Networks
 - Co-association vs. TF regulation hierarchy
 - Regulation at non-promoter regions



Weighted co-association
network

TF co-association

- Global view
 - Base overlap matrix (supp. figure, ready)
 - Unsegmented block sampling z-scores (supp. figure, ready)
 - DNase-segmented block sampling z-scores (figure, ready)
 - Gaussianity tests – skewness, robust kurtosis, “optimal” segmentation (supp. figure)
 - Weighted network of co-associating TFs (figure)
 - List of co-associating TFs (supp. table)

TF co-association

- Clusters
 - Global two-way clustering (figure)
 - Bi-clusters (supp. table)
- Region specificity
 - Differences of matrices and clusters in whole-genome, promoters and distal regions (figure)
- Cell-line specificity
 - Differences of matrices and clusters in different cell lines (figure)