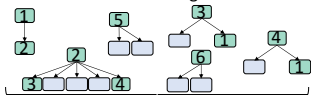
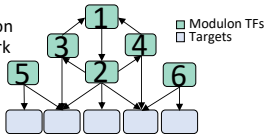


Modulon network assembly

Modulon constituent regulon networks

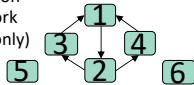


Modulon network

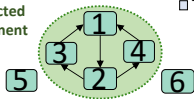


Connected components identification

Modulon network (TF-TF only)

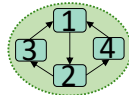


Connected component

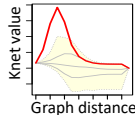


Connectivity analysis

Connected component

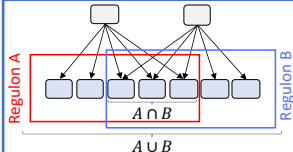


SANTA analysis



Regulatory core
Yes
Not

Regulatory core redundancy analysis



Similarity

$$J(A, B) = \frac{|A \cap B|}{|A \cup B|} = \frac{|A \cap B|}{|A| + |B| - |A \cap B|}$$

Redundancy

$$R(A, B) = \frac{|A \cap B|}{\min(|A|, |B|)}$$

□ TF
□ Target