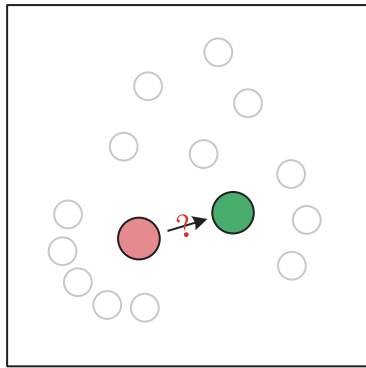
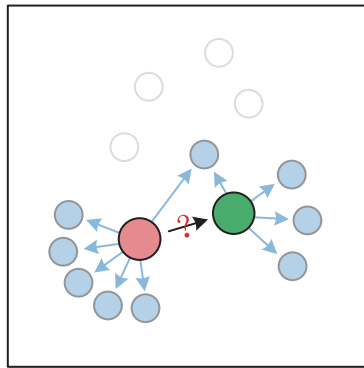
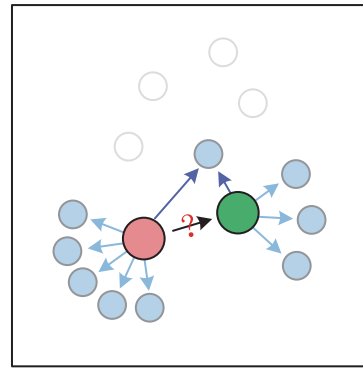


**A**

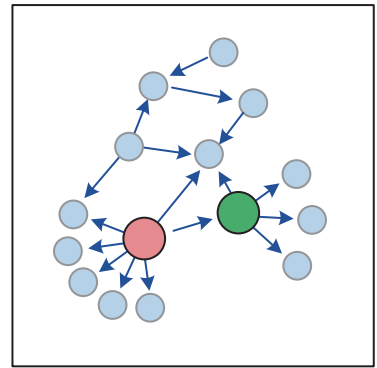
Data-driven only  
(e.g. DeepSEM, LEAP, SCODE, GRISLI,  
SINCERITIES and Tigress)

**B**

Consider the neighbors of the Target  
gene/Regulator (1st or more order)  
(e.g. GENIE3 and SCENIC)

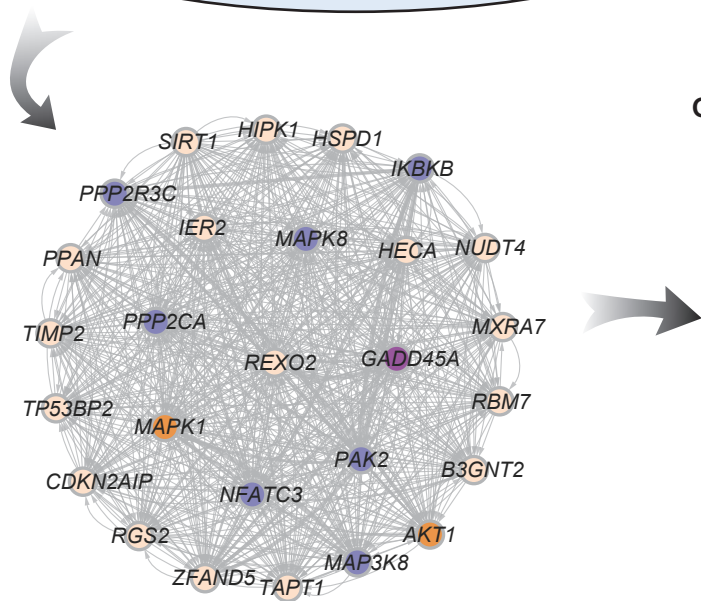
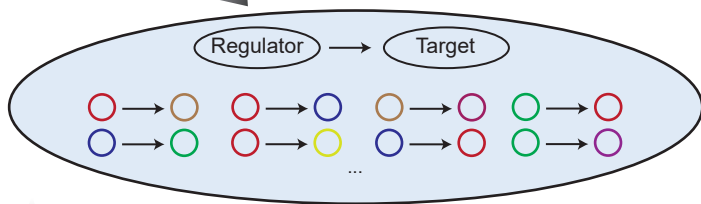
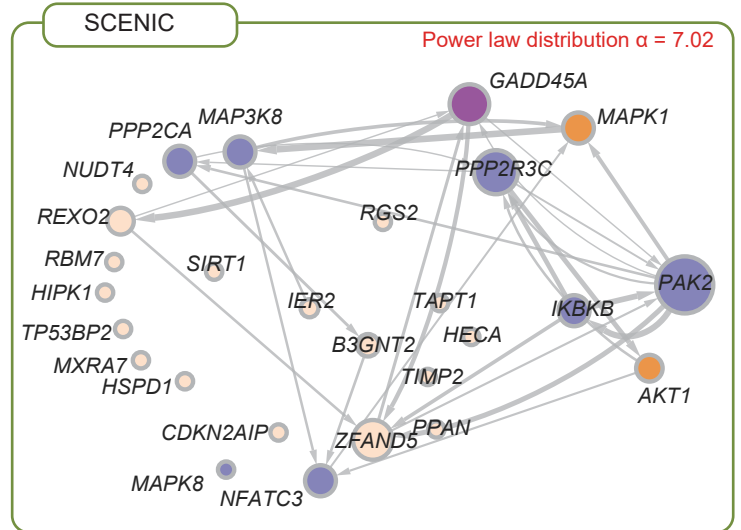
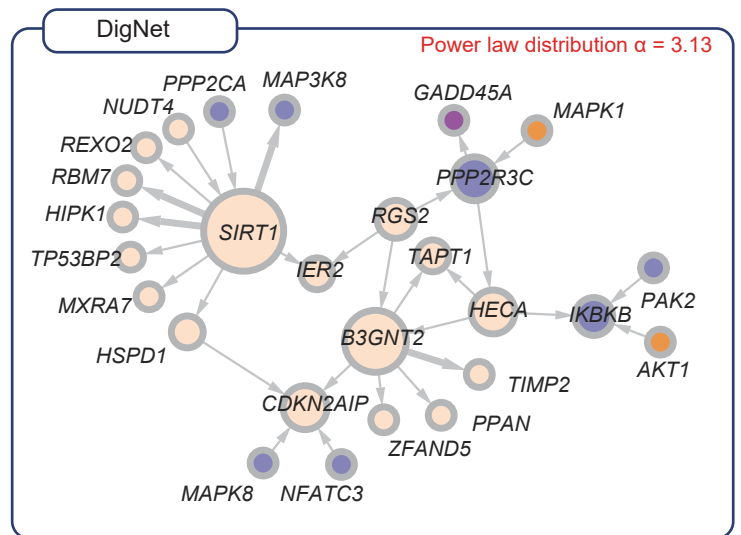
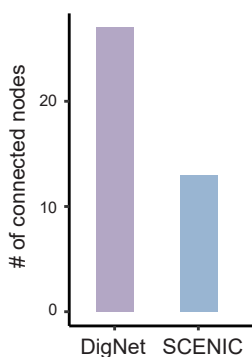
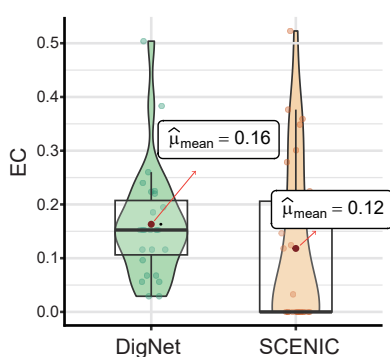
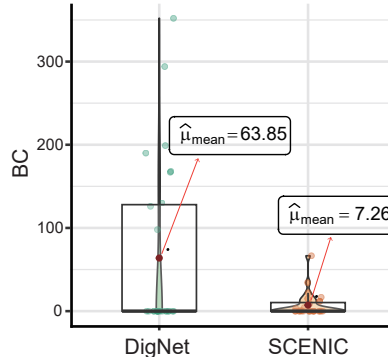
**C**

Consider individual neighbors or  
common neighbors  
(e.g. PC-CMI, ARACNE, CLR and PIDC)

**D**

Complex modeling that takes into  
account all nodes in the network  
(e.g. DigNet)

Regulator Target gene Referenced genes Non-referenced genes Links to be inferred Reference links

**E****F****G****H****I****J****K**