

number of networks	10
total number of edges	100
number of dataset for each test	10
number of edges for one parent	60
regulation strength of 0.05	18
regulation strength of 0.1	15
regulation strength of 0.15	7
regulation strength of 0.2	20
number of edges for two parents	34
regulation strength of 0.05	8
regulation strength of 0.1	9
regulation strength of 0.15	8
regulation strength of 0.2	9
number of edges for three parents	6
regulation strength of 0.05	1
regulation strength of 0.1	2
regulation strength of 0.15	1
regulation strength of 0.2	2

Supplemental Table 1. Statistics for links in the 10 testing networks of Supplemental Fig. 1.