

k^a	ε^b	BE% ^c	BIC score ^d
2	0.05	22.727	-5398.130
2	0.10	22.727	-5269.224
2	0.20	18.182	-5200.271
2	0.30	22.727	-5197.827
3	0.05	22.727	-5398.130
3	0.10	20.000	-5264.613
3	0.20	30.000	-5154.744
3	0.30	30.303	-5135.192
4	0.05	22.727	-5398.130
4	0.10	20.000	-5264.613
4	0.20	20.690	-5168.981
4	0.30	39.394	-5139.866

Table S 5: Percentage of bad edges and the BIC scores of the MPNs learned from the BC data in [13] with DiProg

^a Maximum number of vertices in each hyperedge

^b Value of ε in MPN learning

^c Percentage of bad edges.

^d The BIC score of the learned MPN by DiProg.