

Additional file 5. Examples of inferred graphs.

Supplementary material for “Identifying Restrictions in the Order of Accumulation of Mutations during Tumor Progression: Effects of Passengers, Evolutionary Models, and Sampling”

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1 Introduction

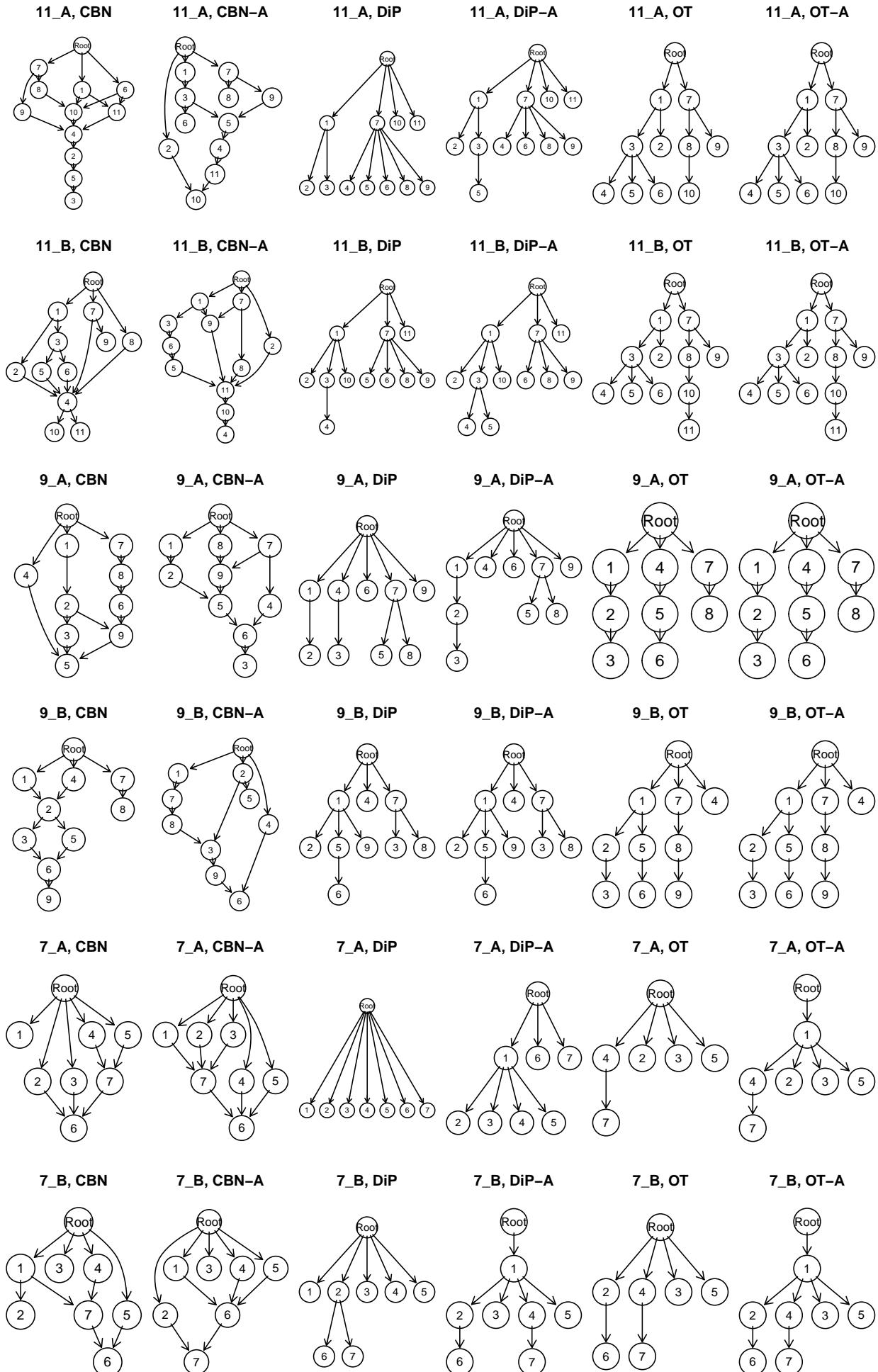
The following figures show examples of inferred graphs, from each of the six methods, for the two scenarios, and under each Model and Graph. The inferred graph shown is one chosen randomly among the 20 possible ones. Across rows (i.e., across Method), the data set is the same, so those correspond to the same data being fitted by different methods.

To minimize the impact of other factors, all figures are for S.Size = 1000, S.Type = whole tumor (0.5), S.Time = last, and sh = Inf.

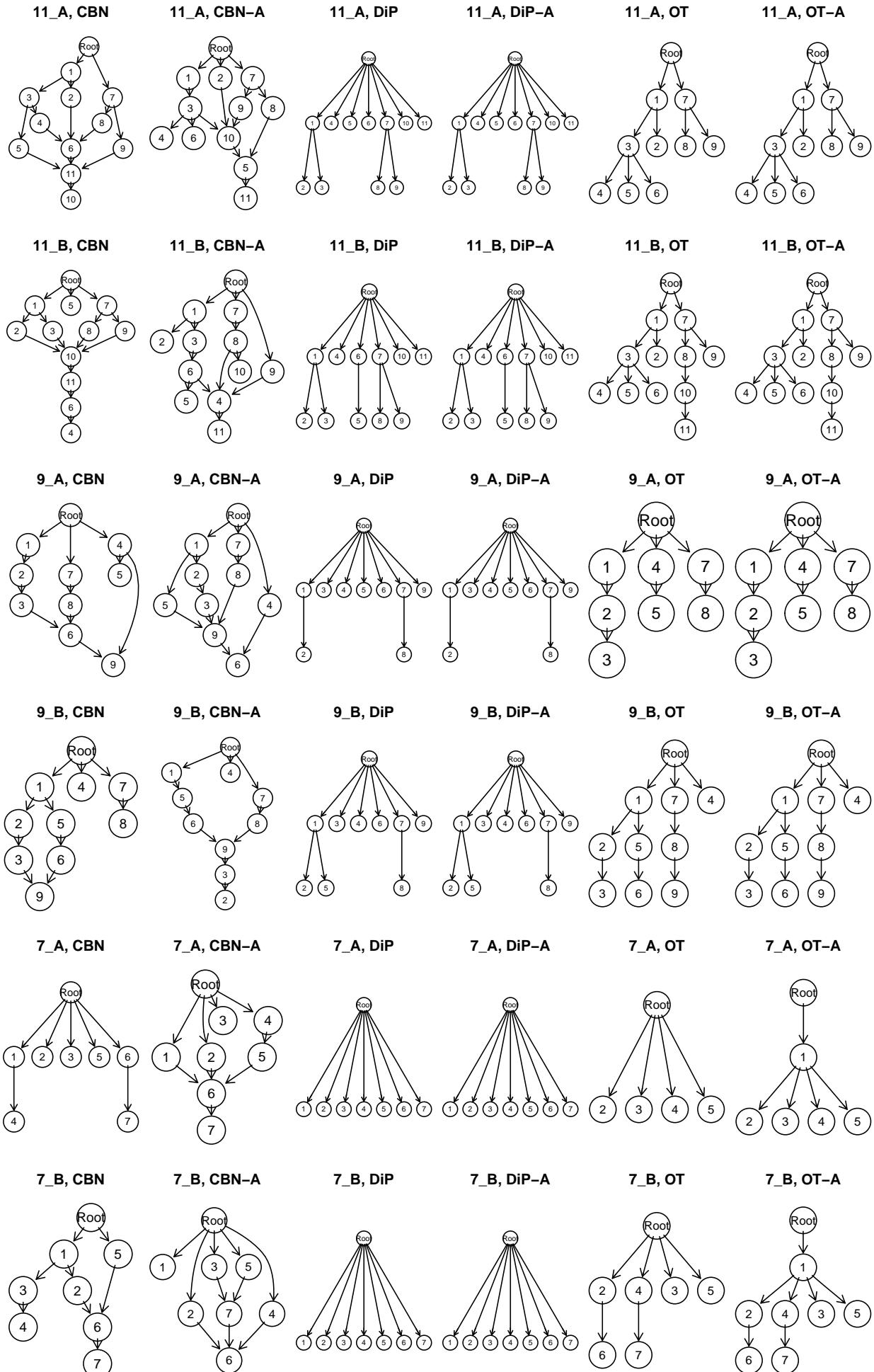
The original, true graphs, are given in *Additional file 1*. Note that, especially under Filtering = S1, many inferred graphs show nodes that are not really drivers (and that, therefore, should not have been in the graph at all).

2 Drivers Known

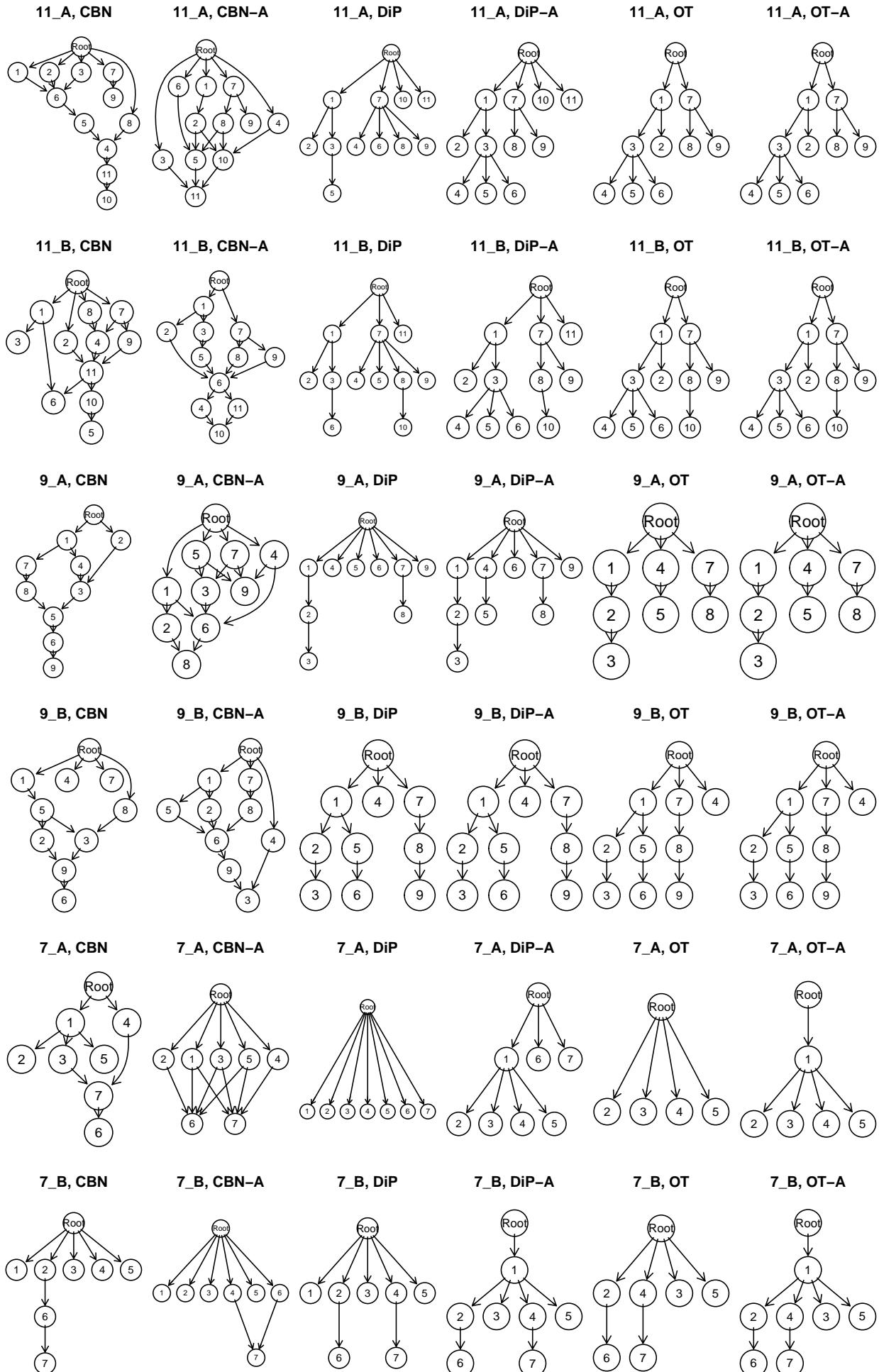
Filtering = NP. Model = Bozic



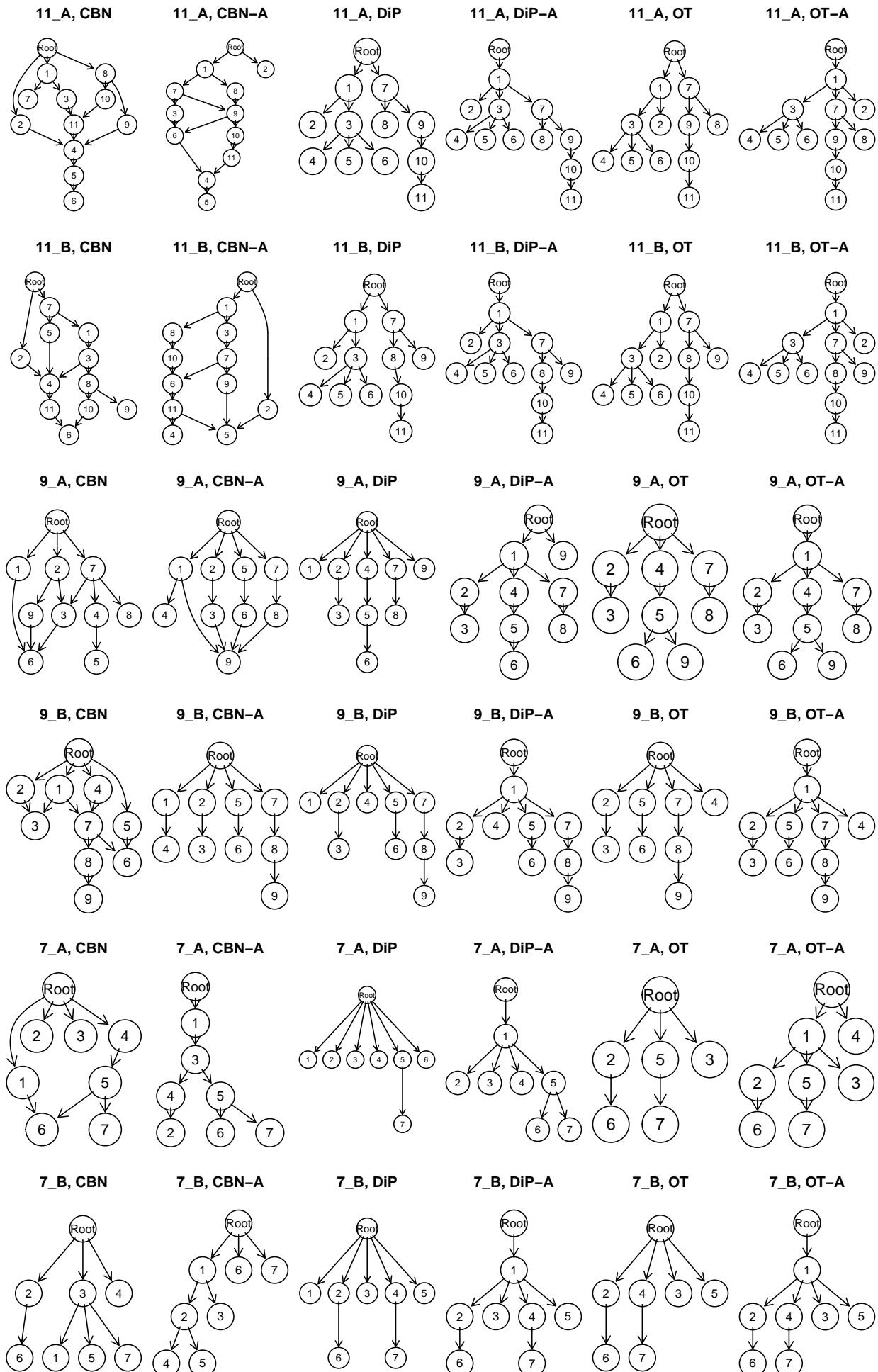
Filtering = NP. Model = exp



Filtering = NP. Model = McF_4

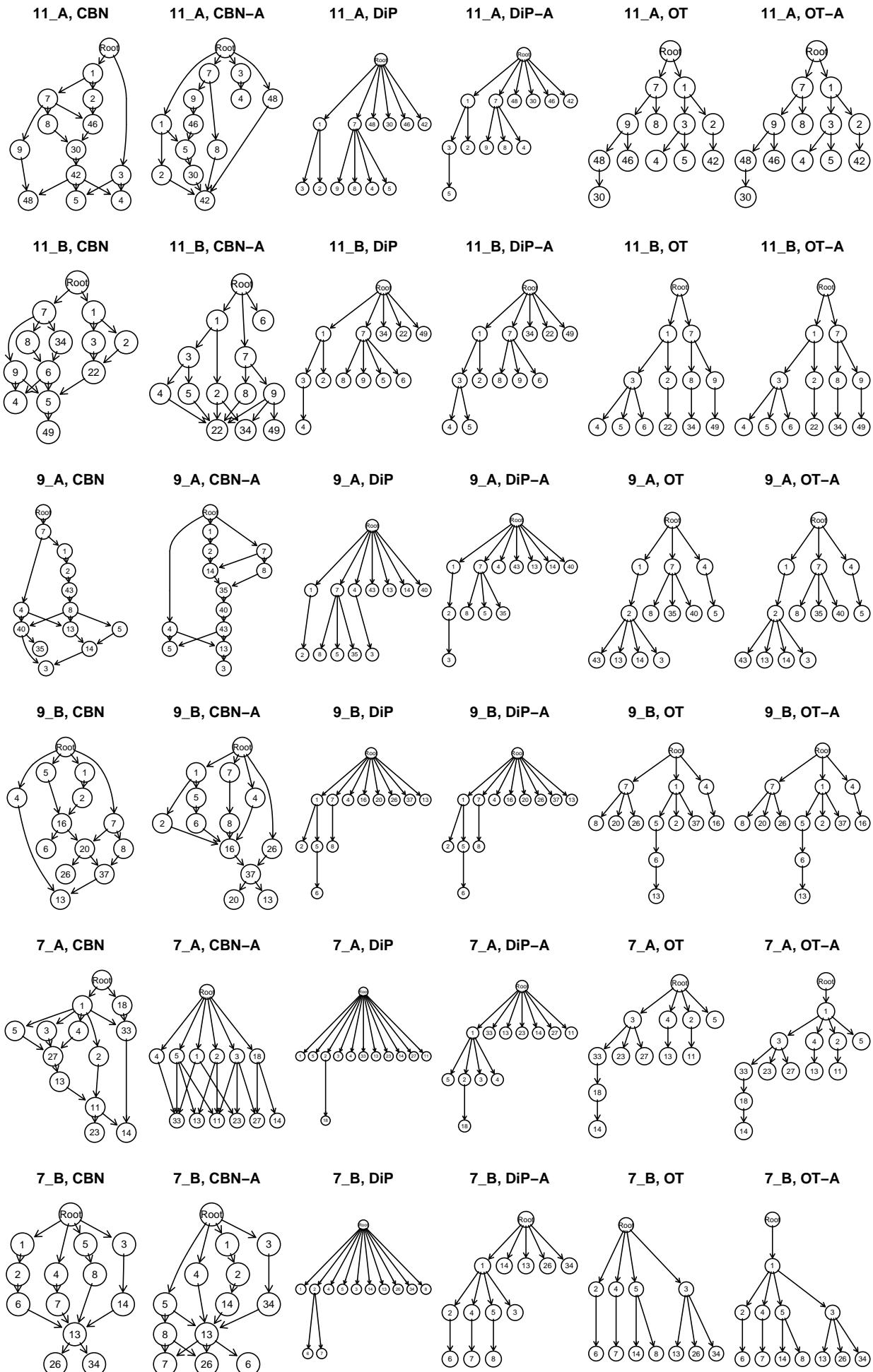


Filtering = NP. Model = McF_6

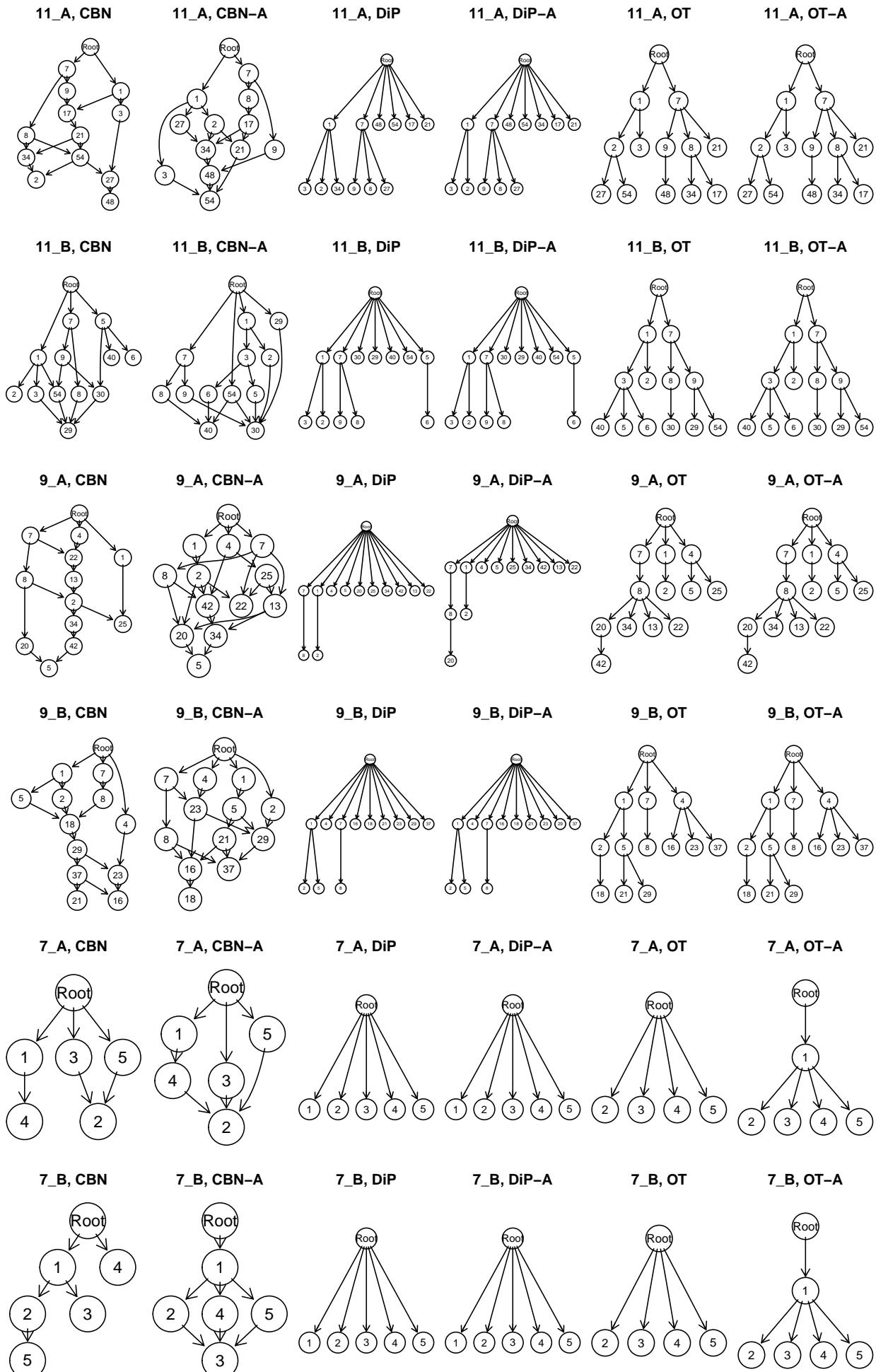


3 Drivers Unknown: Filtering = S1

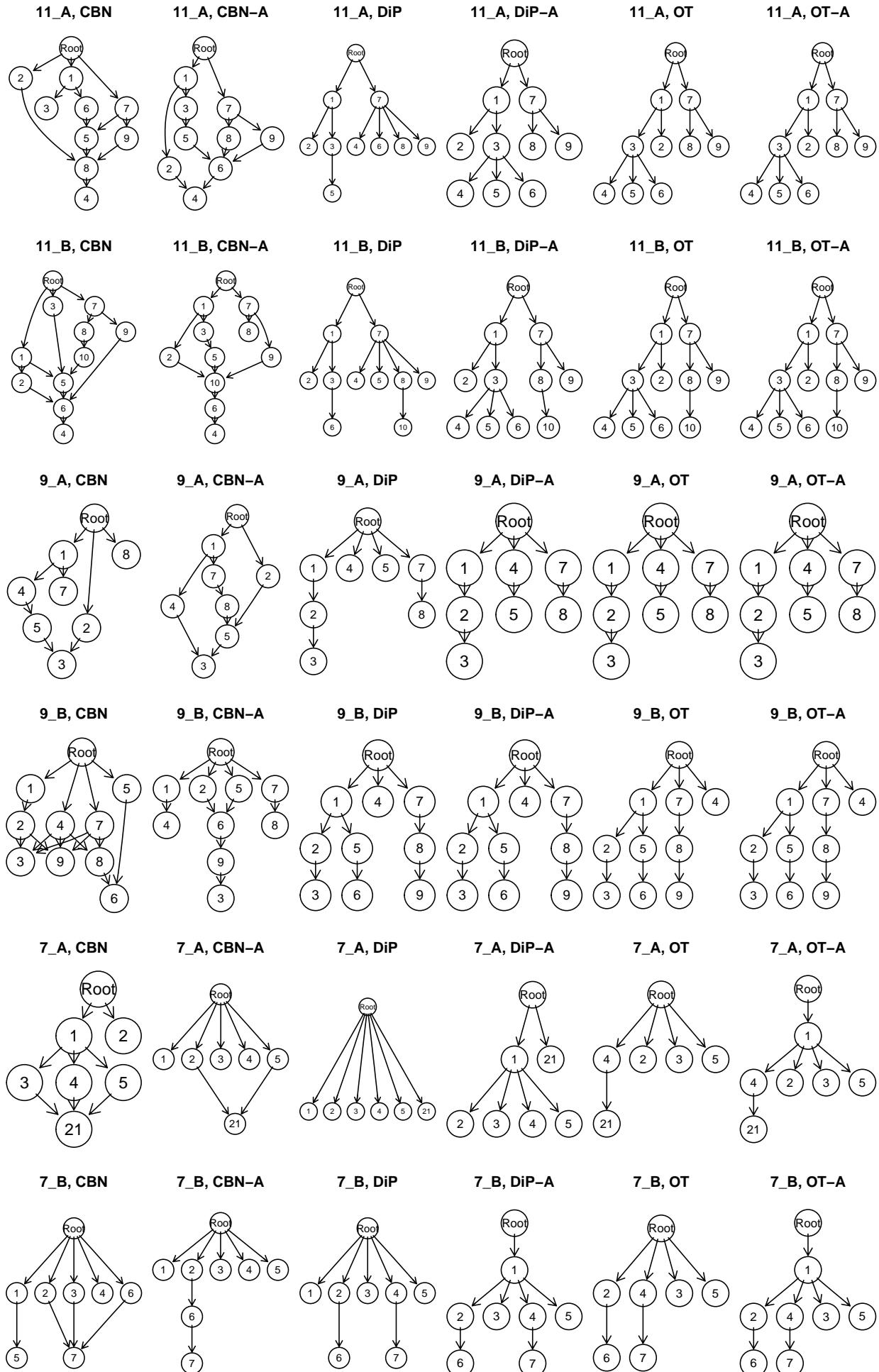
Filtering = S1. Model = Bozic



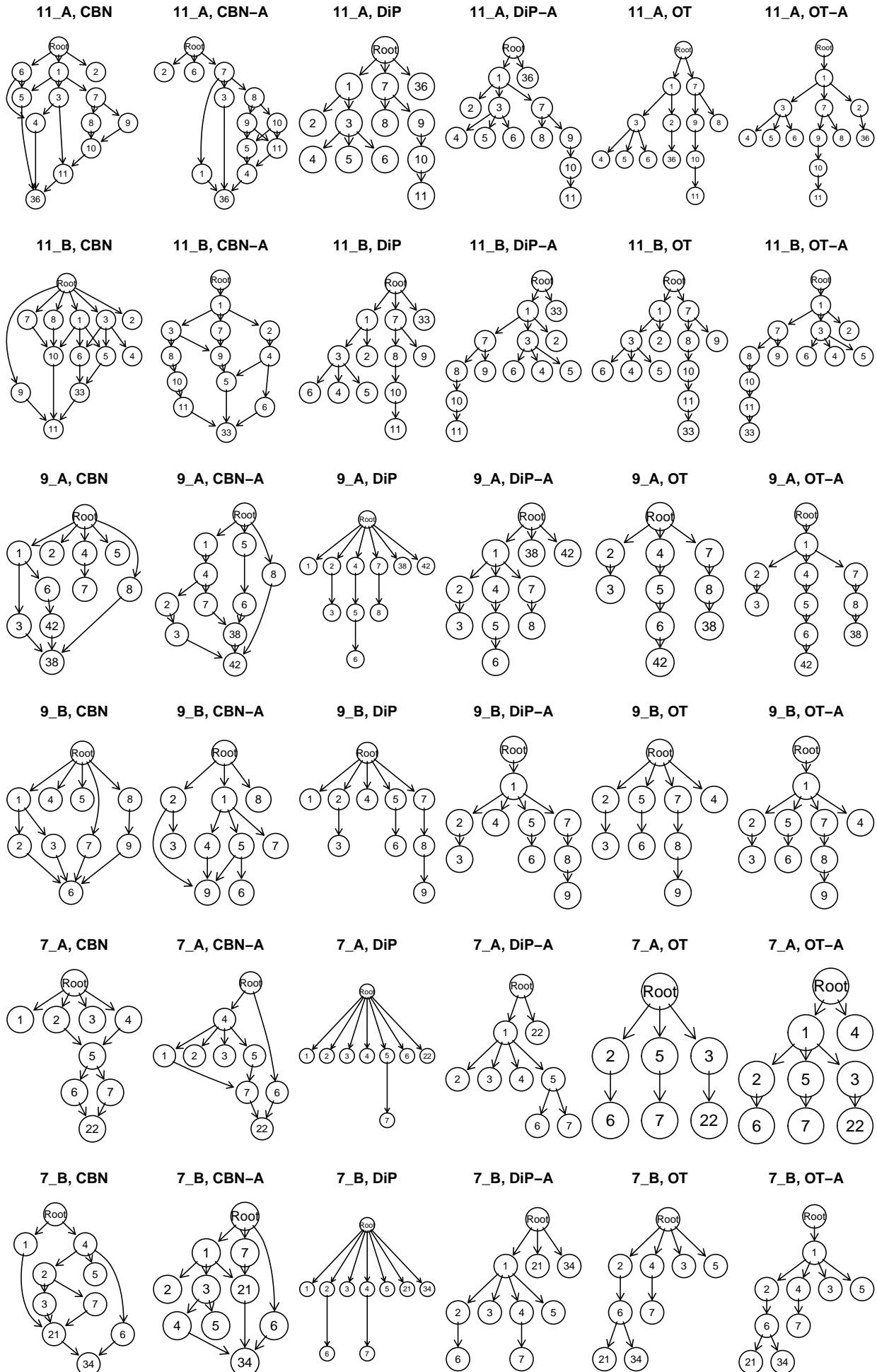
Filtering = S1. Model = exp



Filtering = S1. Model = McF_4

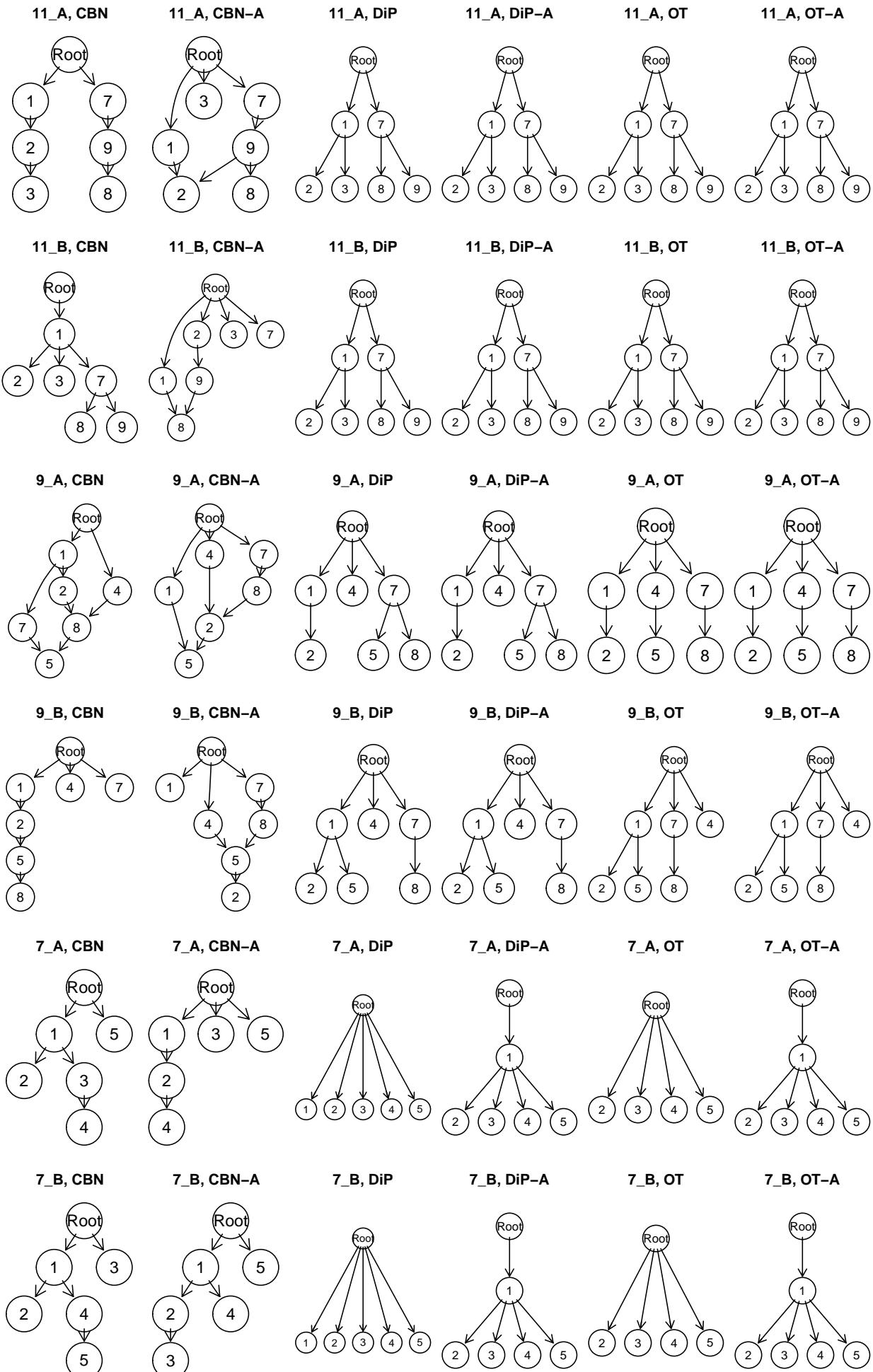


Filtering = S1. Model = McF_6

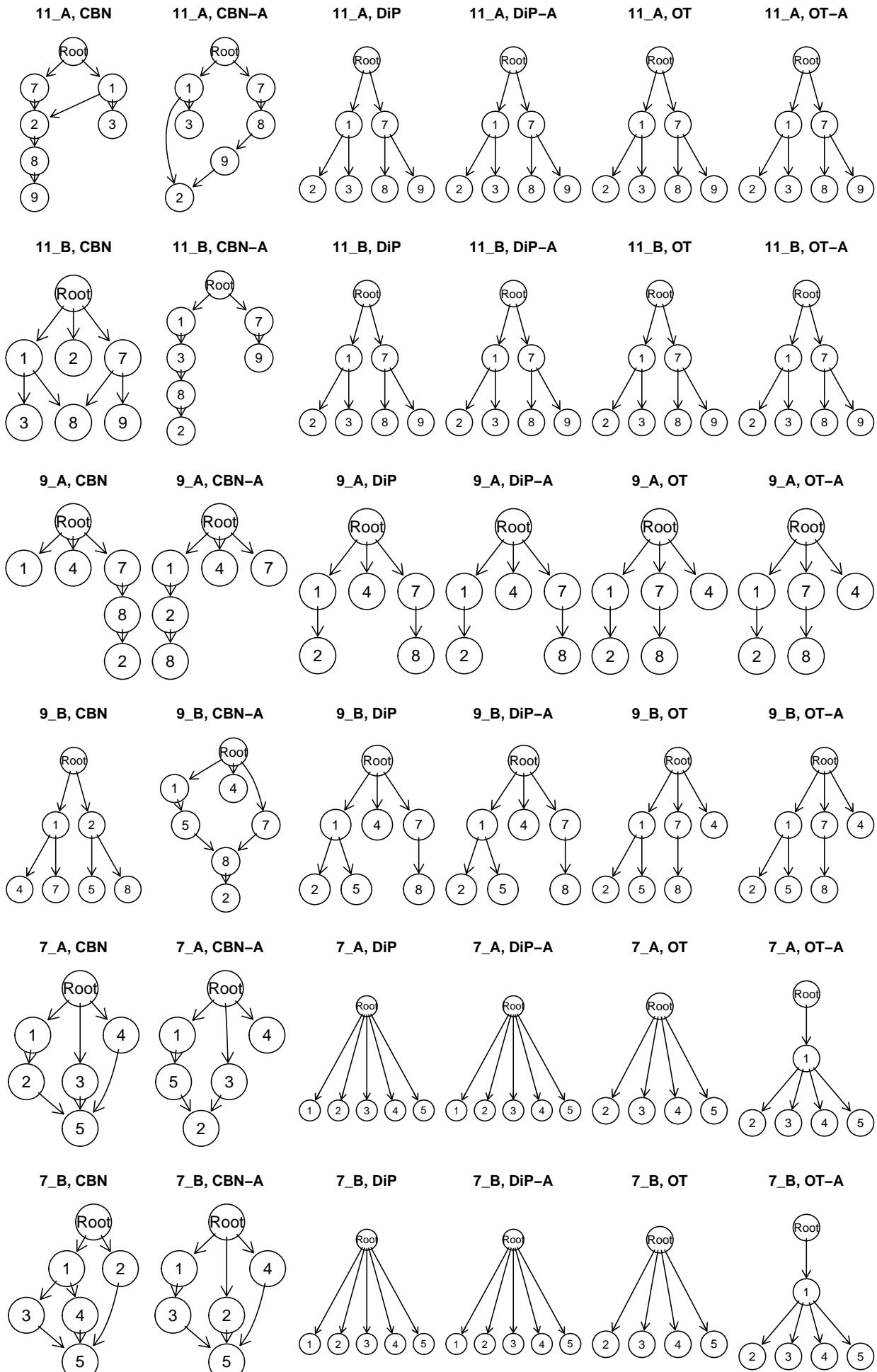


4 Drivers Unknown: Filtering = S5

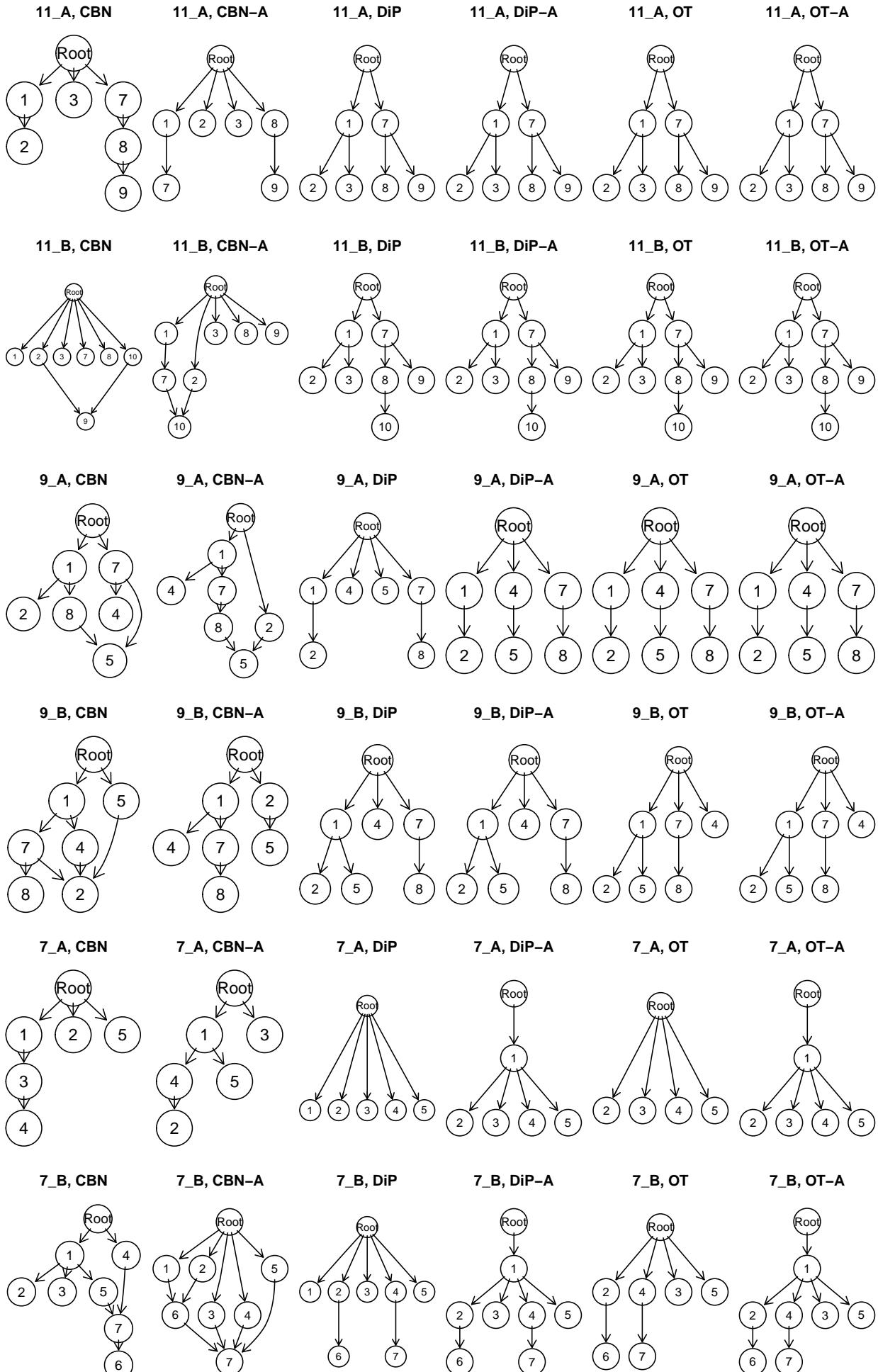
Filtering = S5. Model = Bozic



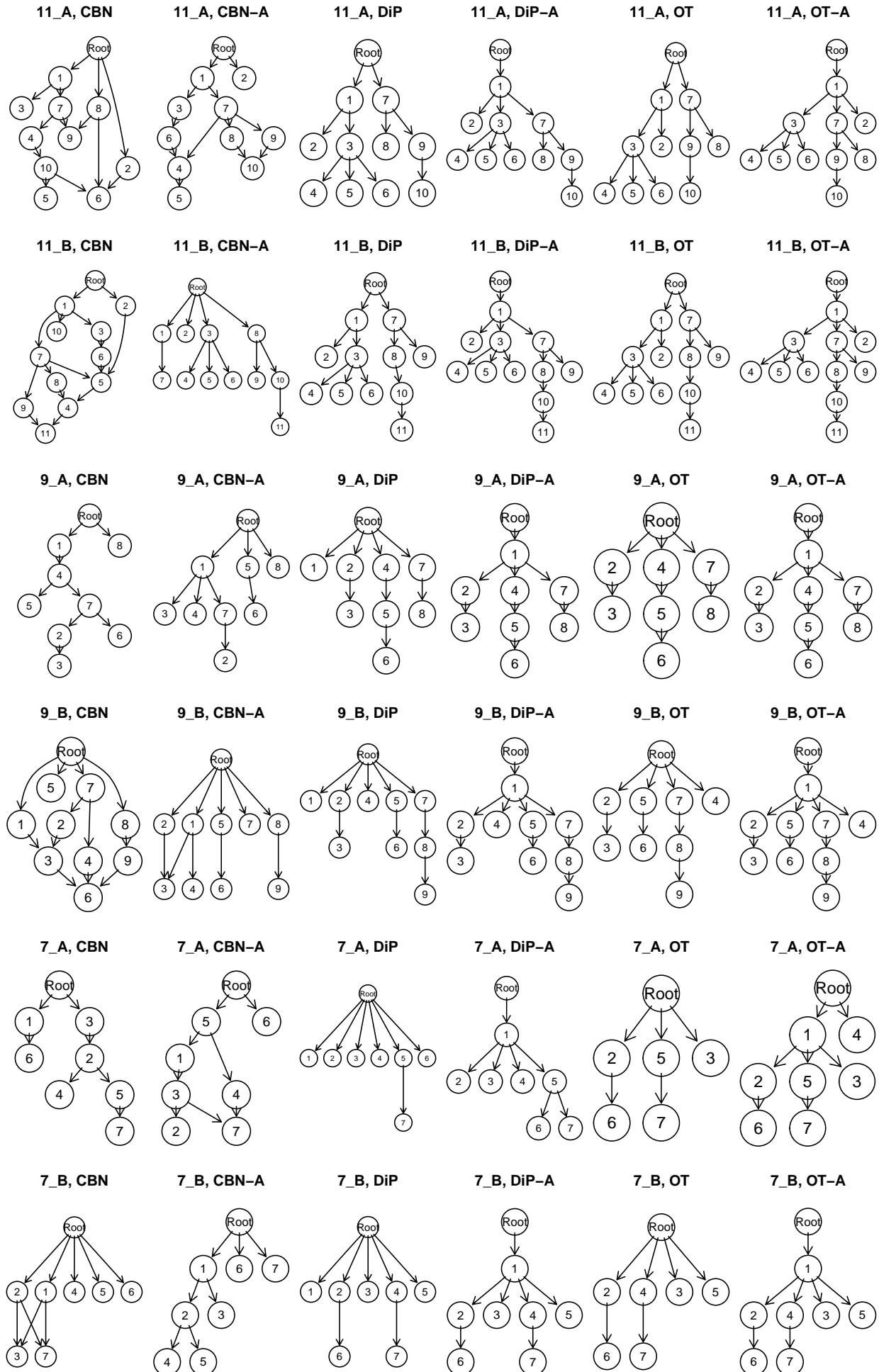
Filtering = S5. Model = exp



Filtering = S5. Model = McF_4

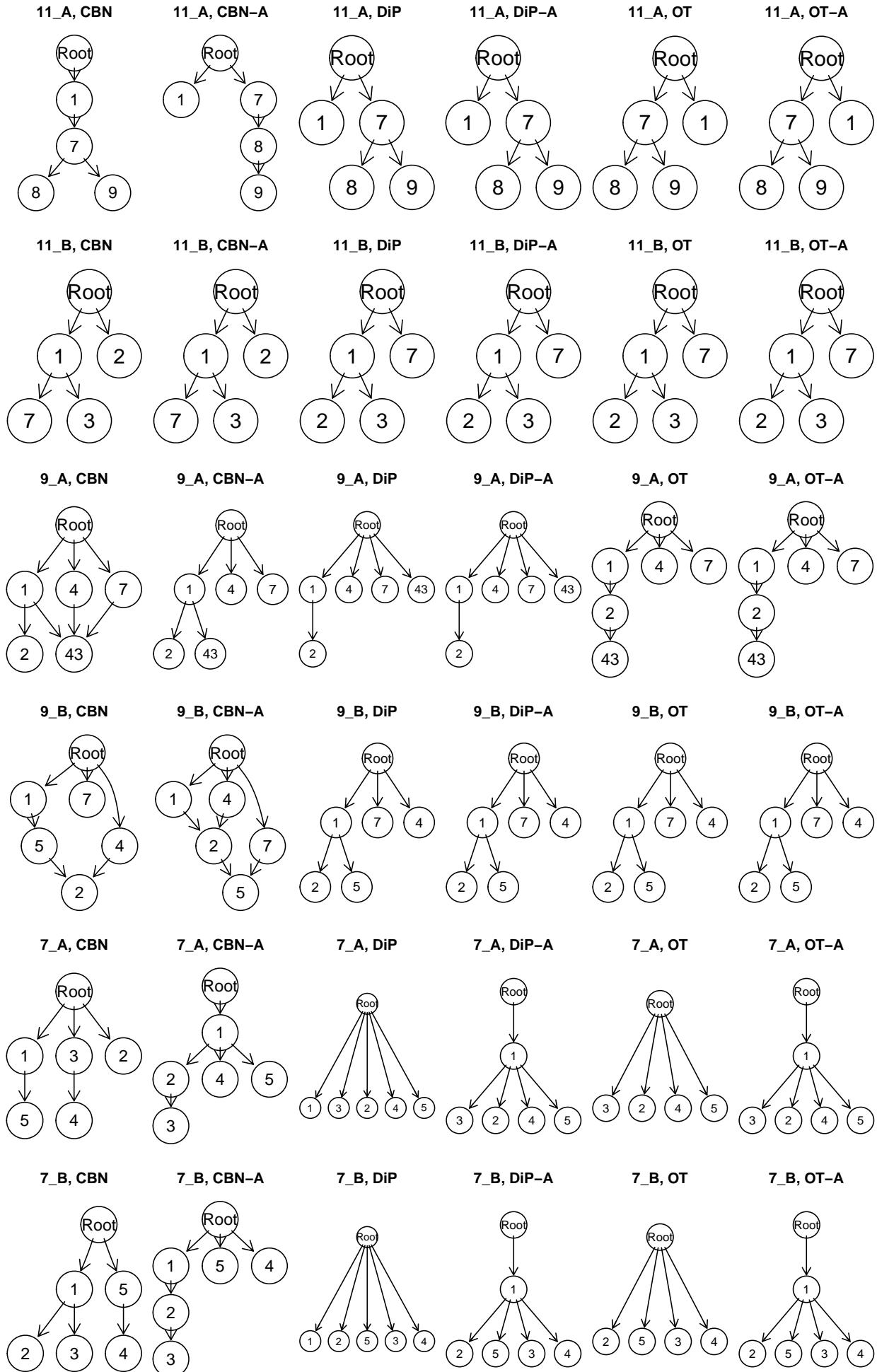


Filtering = S5. Model = McF_6

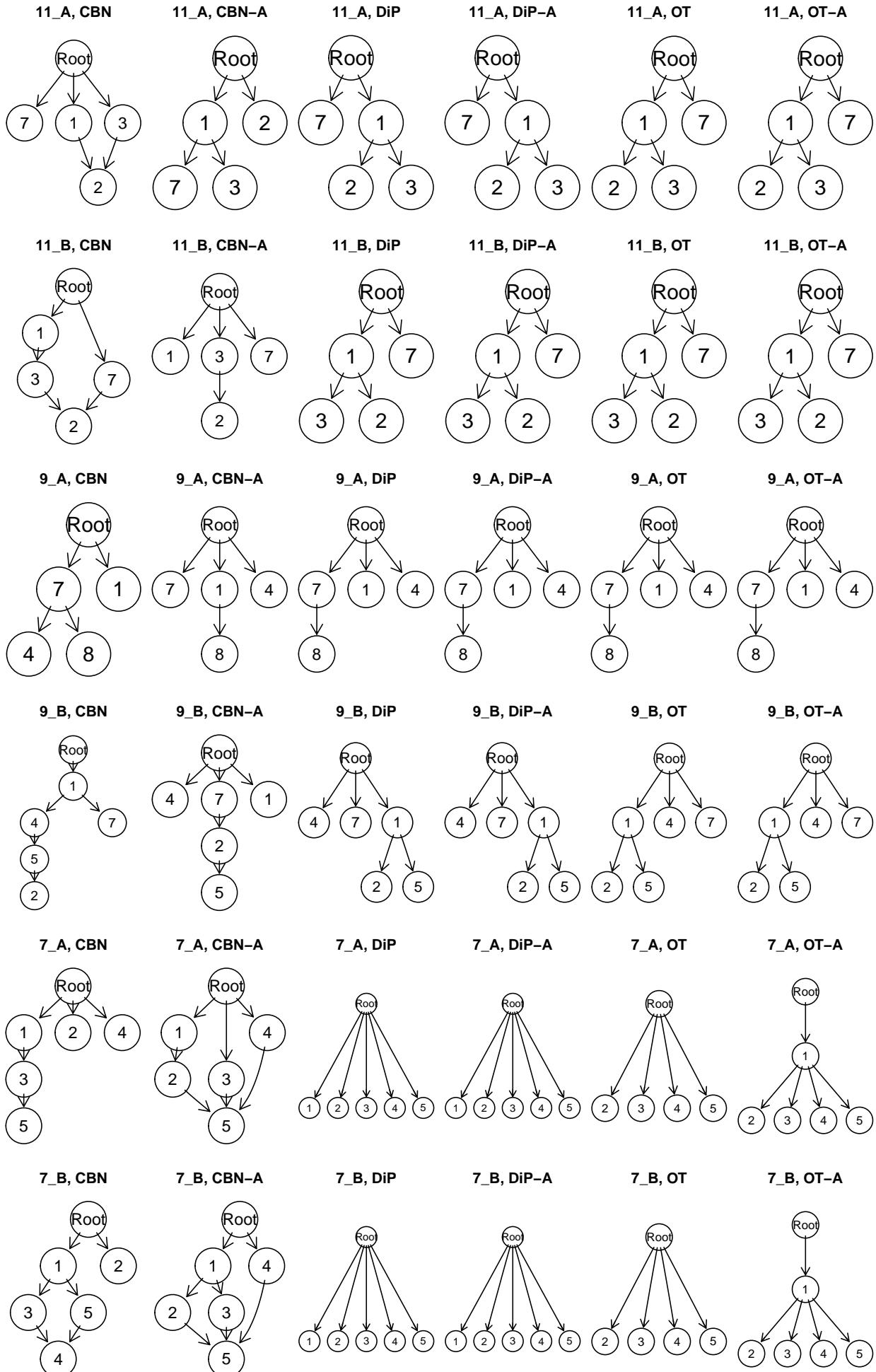


5 Drivers Unknown: Filtering = J1

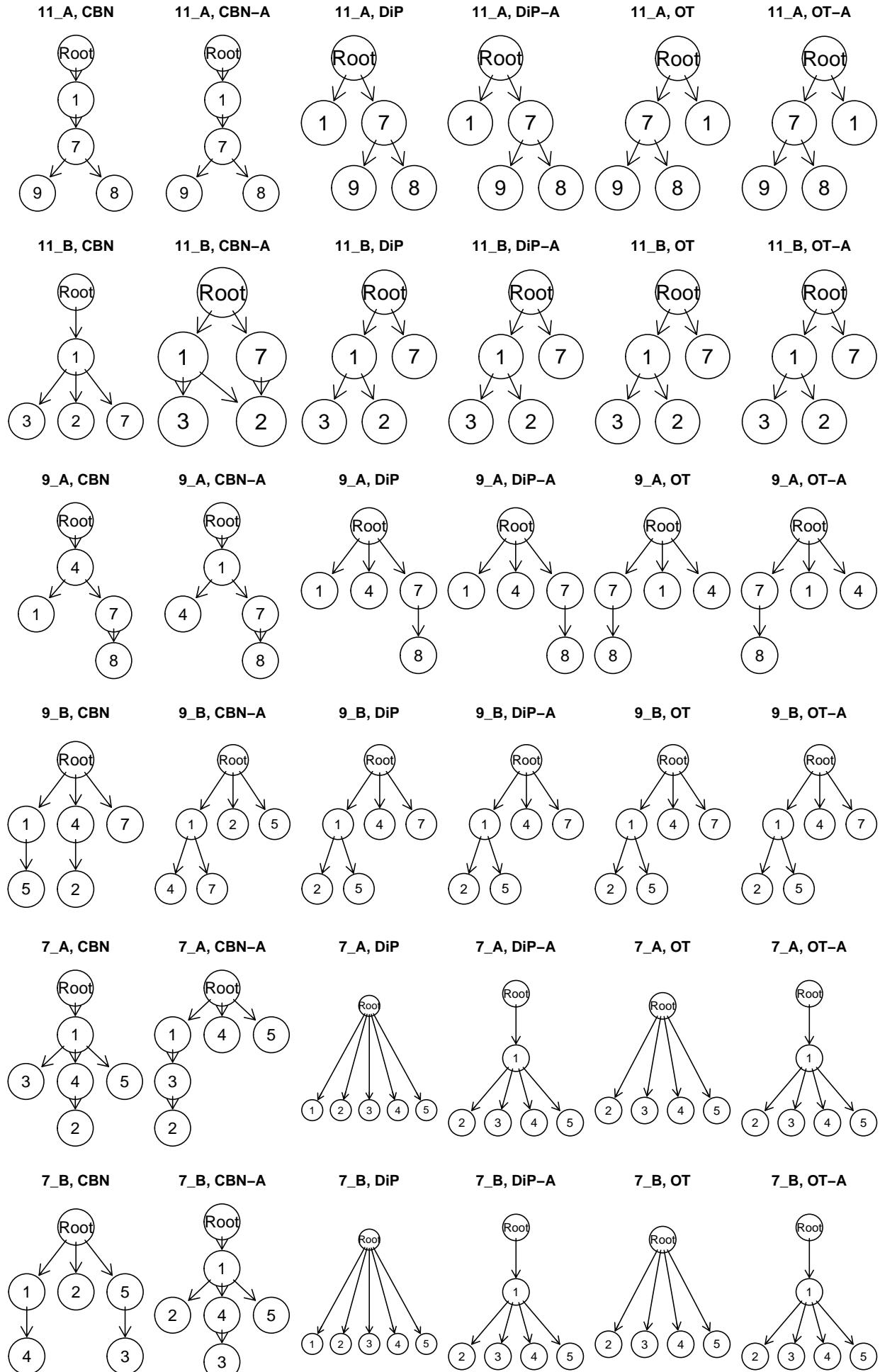
Filtering = J1. Model = Bozic



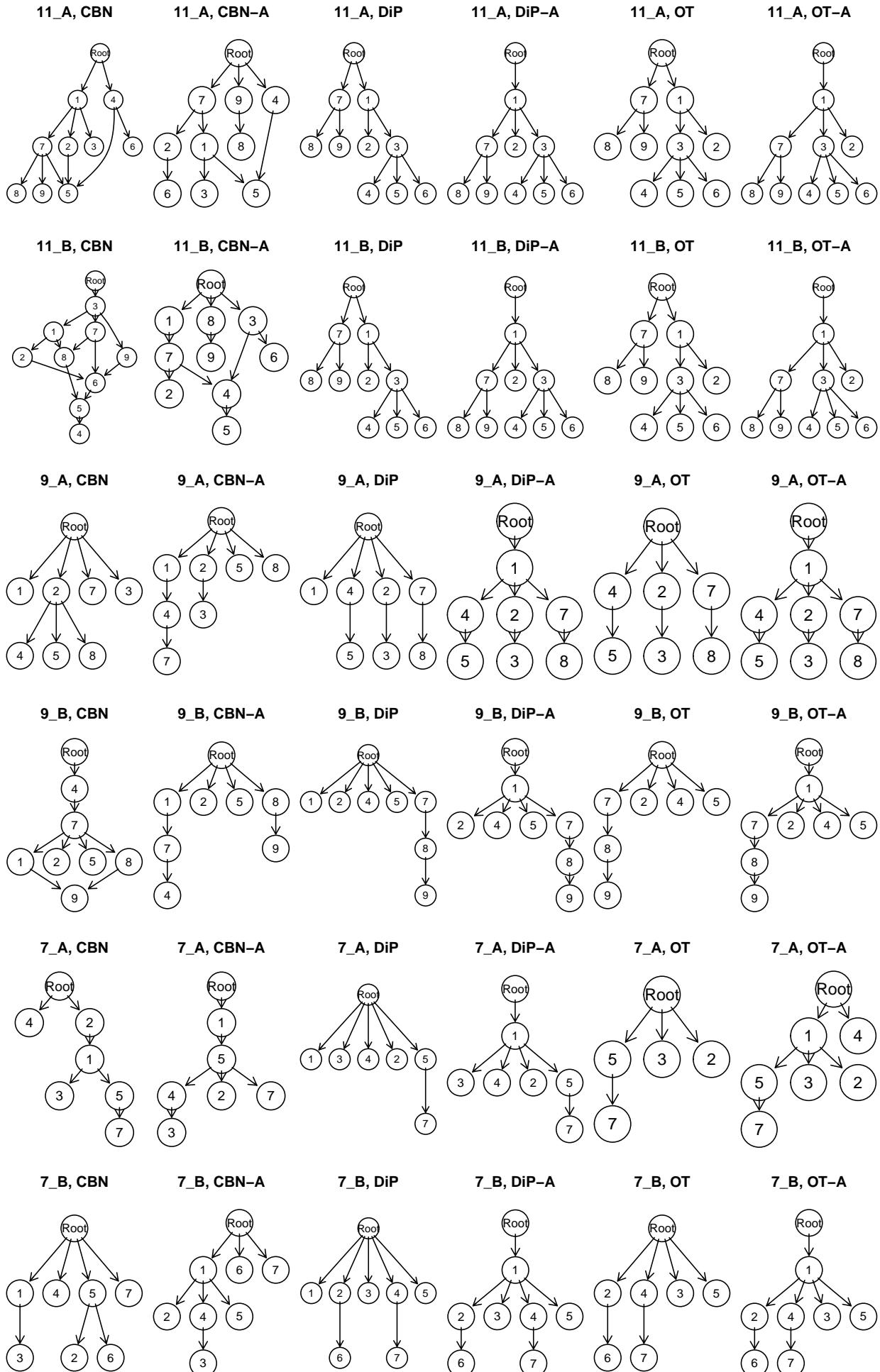
Filtering = J1. Model = exp



Filtering = J1. Model = McF_4

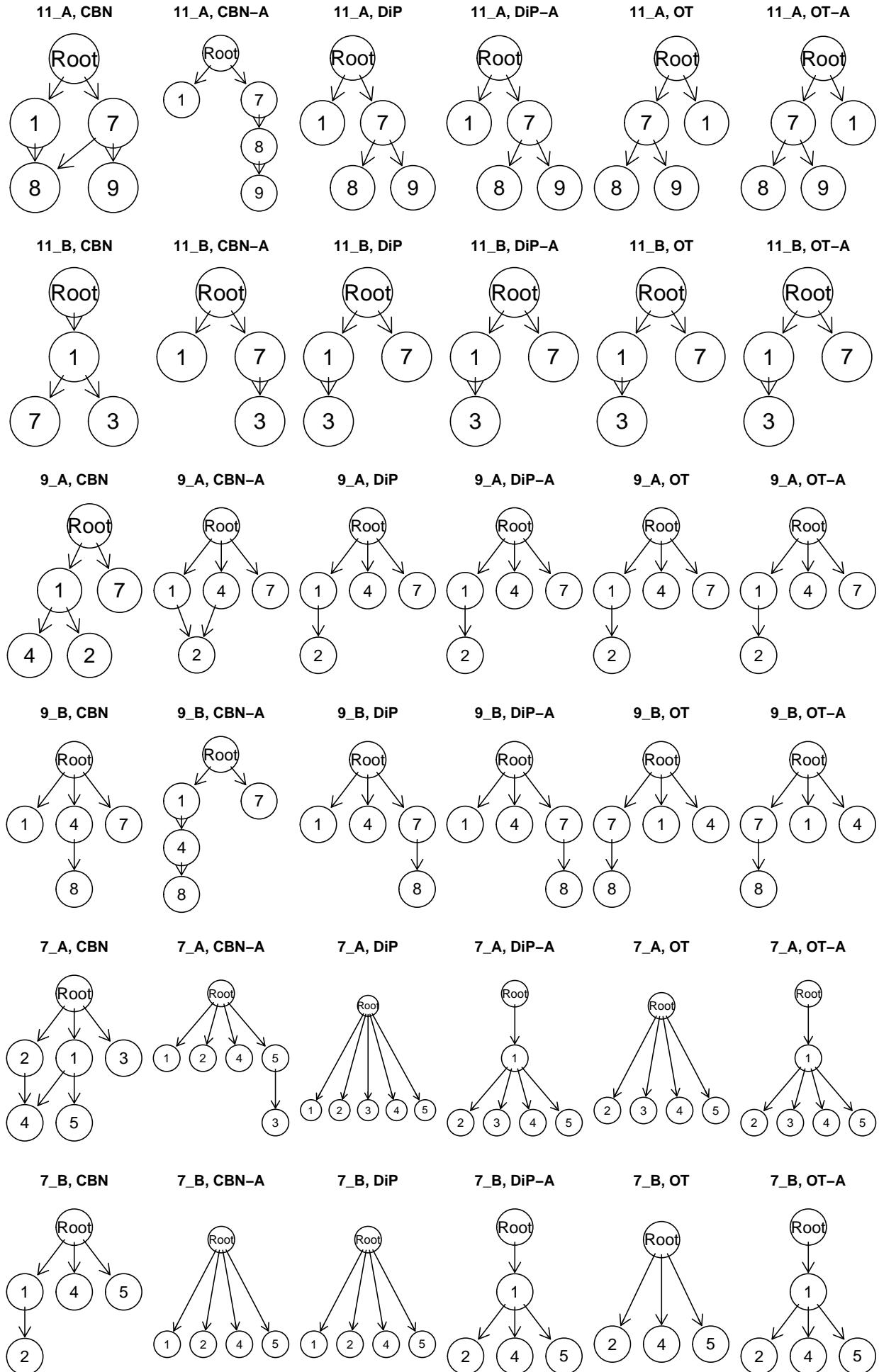


Filtering = J1. Model = McF_6

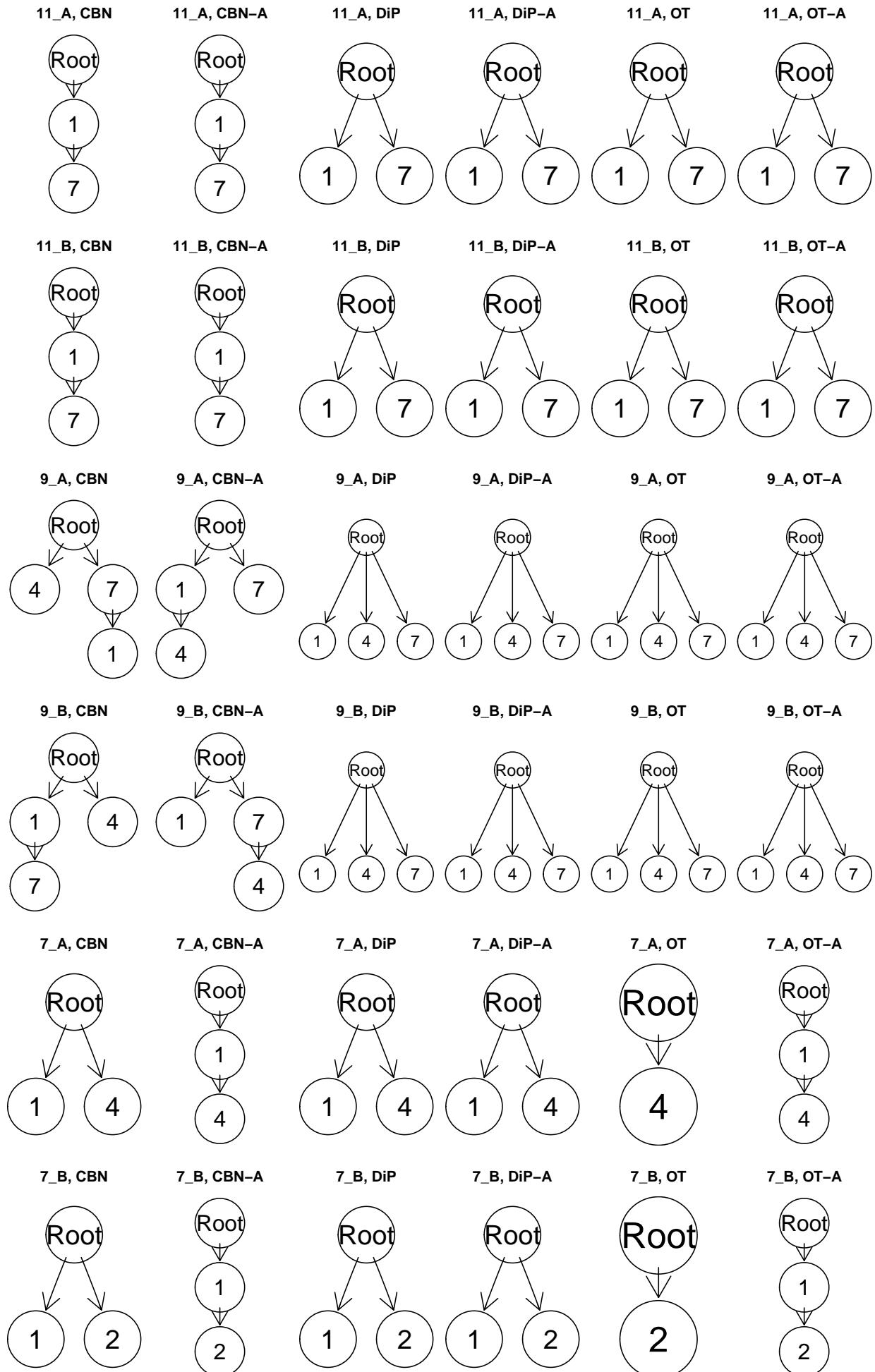


6 Drivers Unknown: Filtering = J5

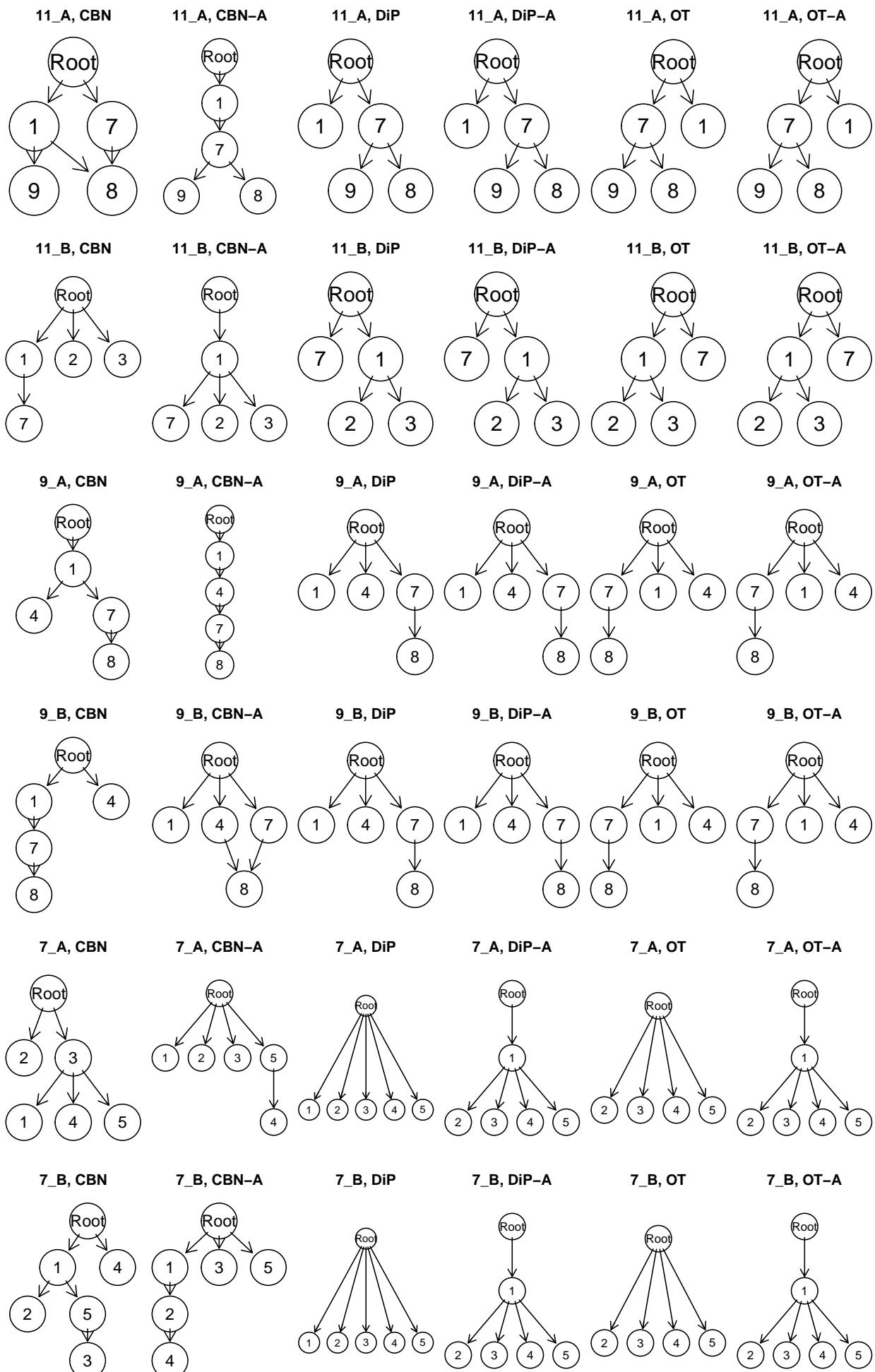
Filtering = J5. Model = Bozic



Filtering = J5. Model = exp



Filtering = J5. Model = McF_4



Filtering = J5. Model = McF_6

