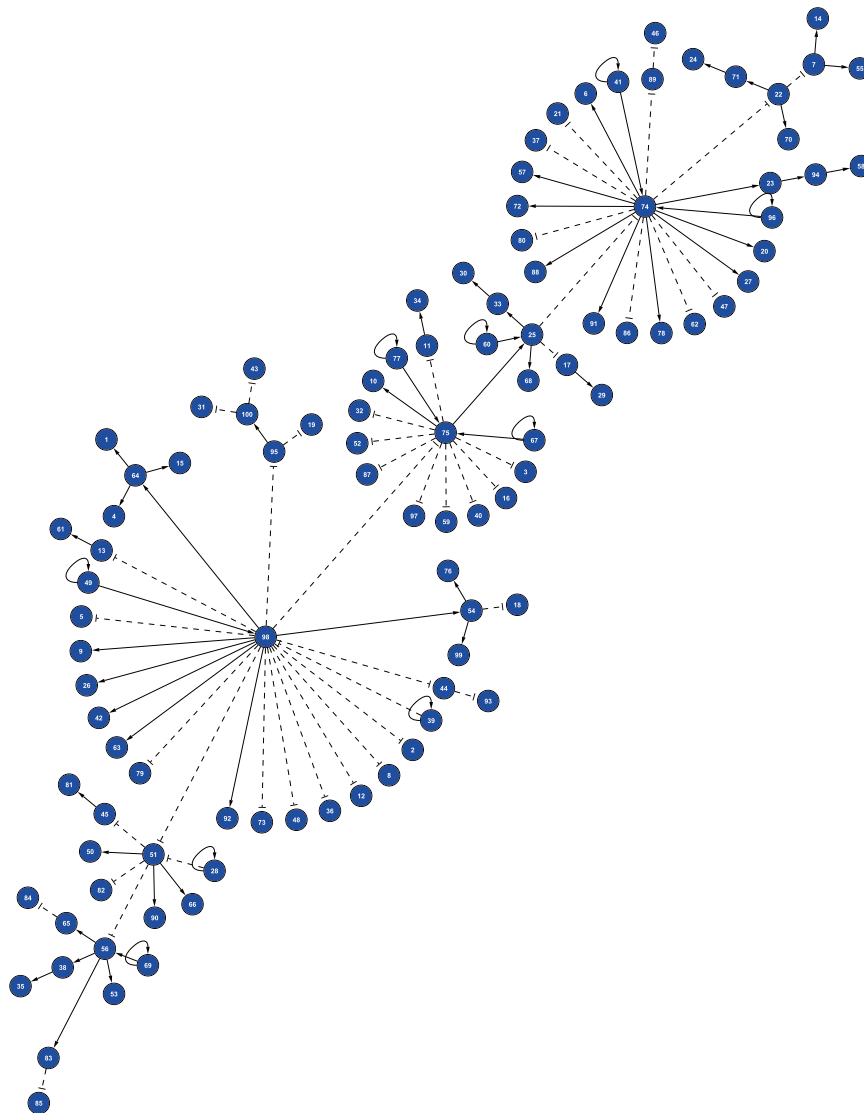


Additional File 1: Structures of Simulated Scale-Free Networks

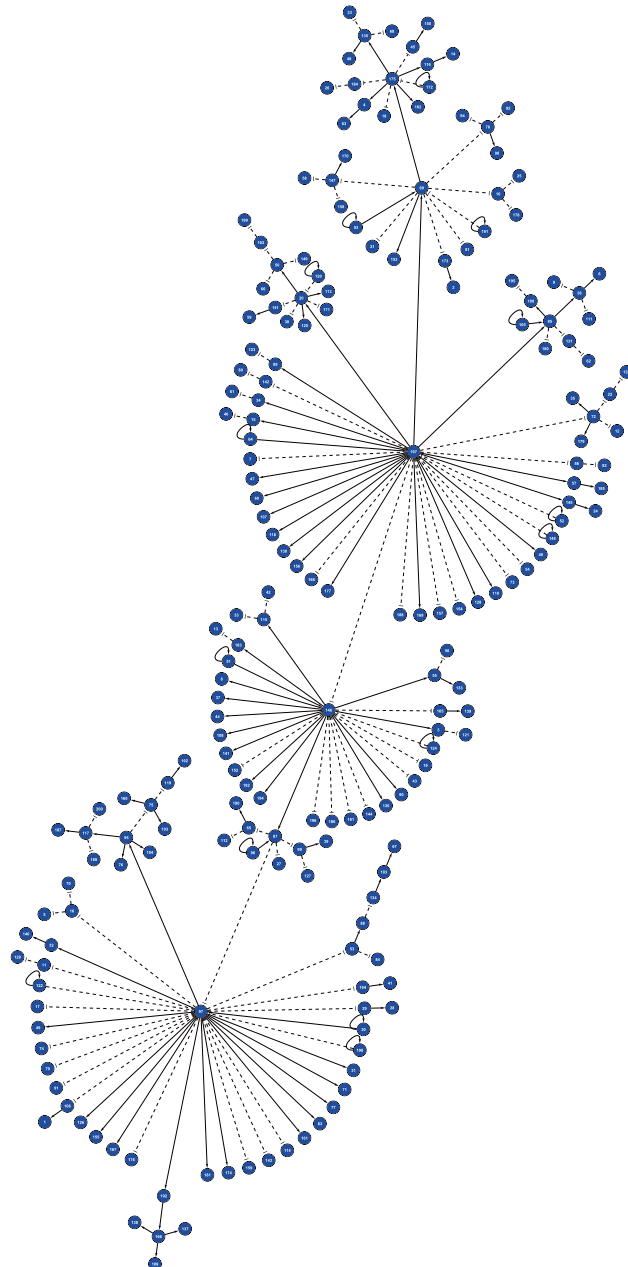
Additional Figure 1 – An example of the simulated network for the setting of $m = 100$

The solid lines indicate positive coefficients and the dotted lines negative coefficients in the coefficient matrix of the VAR model.



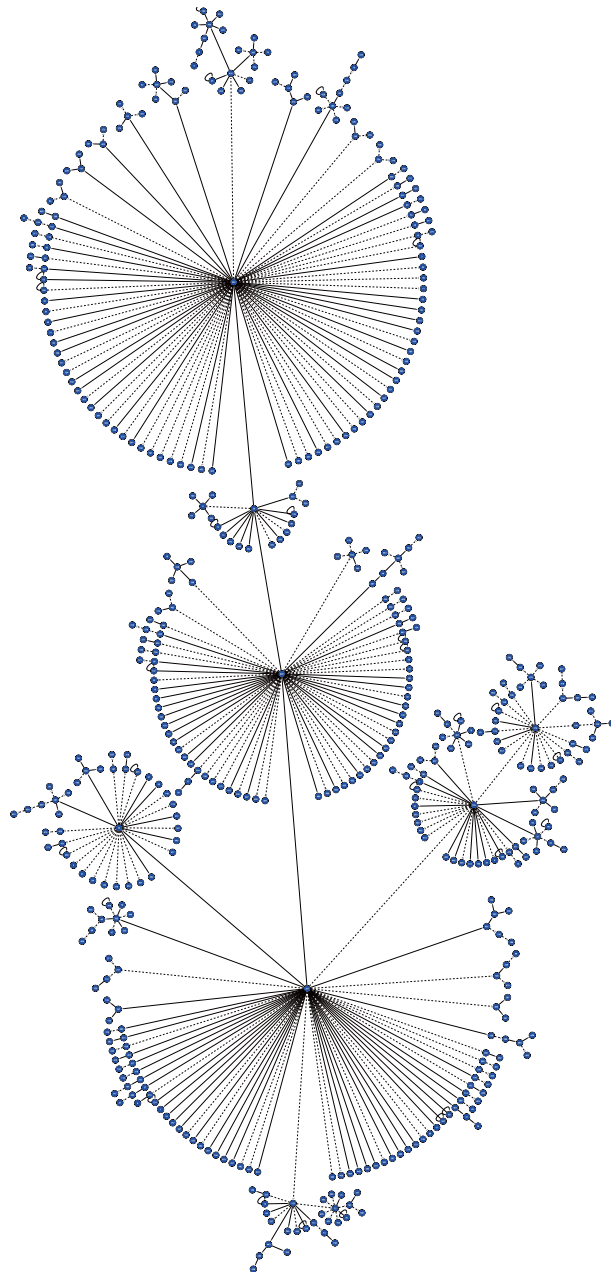
Additional Figure 2 – An example of the simulated network for the setting of $m = 200$

The solid lines indicate positive coefficients and the dotted lines negative coefficients in the coefficient matrix of the VAR model.



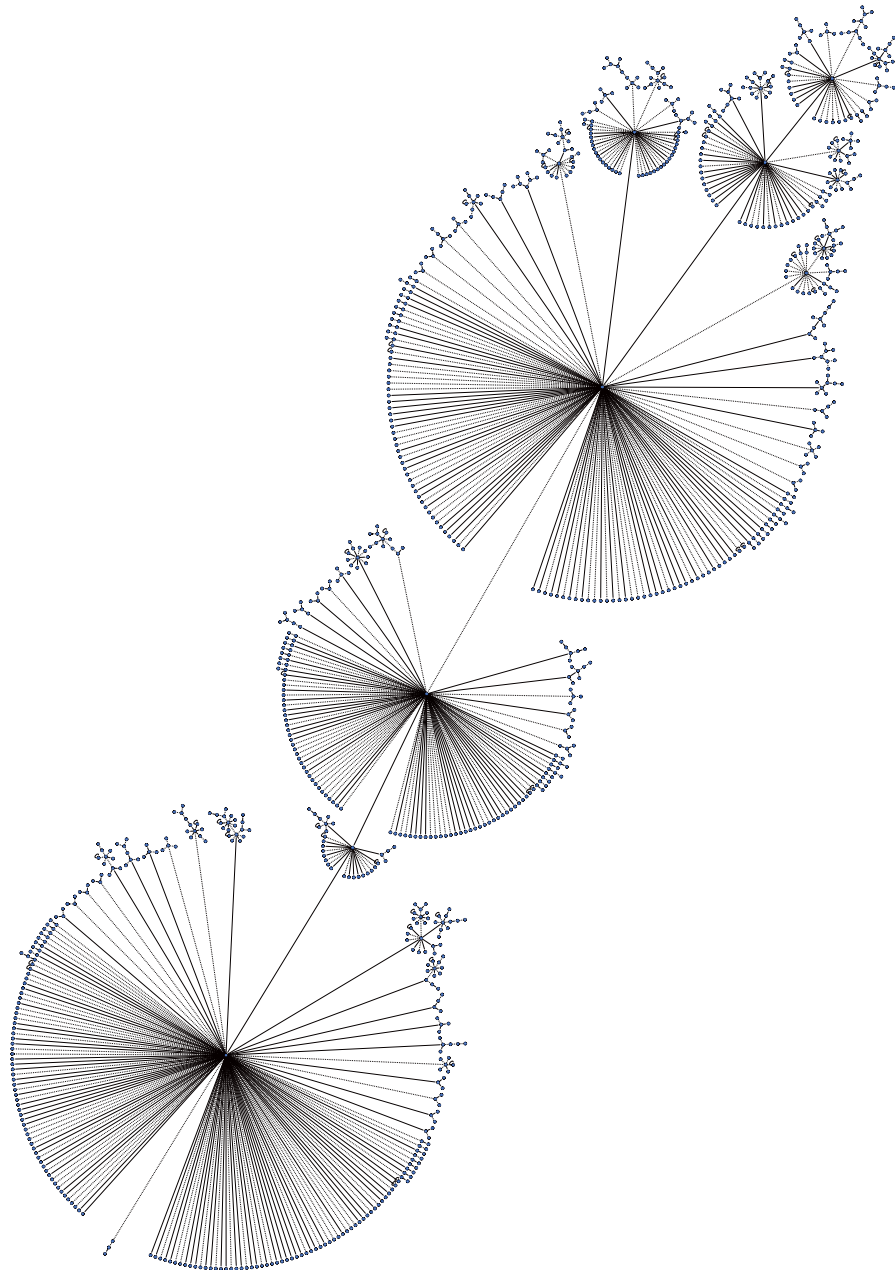
Additional Figure 3 – An example of the simulated network for the setting of $m = 500$

The solid lines indicate positive coefficients and the dotted lines negative coefficients in the coefficient matrix of the VAR model.



Additional Figure 4 – An example of the simulated network for the setting of $m = 1000$

The solid lines indicate positive coefficients and the dotted lines negative coefficients in the coefficient matrix of the VAR model.



Additional Figure 5 – An example of the simulated network for the setting of $m = 2000$

The solid lines indicate positive coefficients and the dotted lines negative coefficients in the coefficient matrix of the VAR model.

