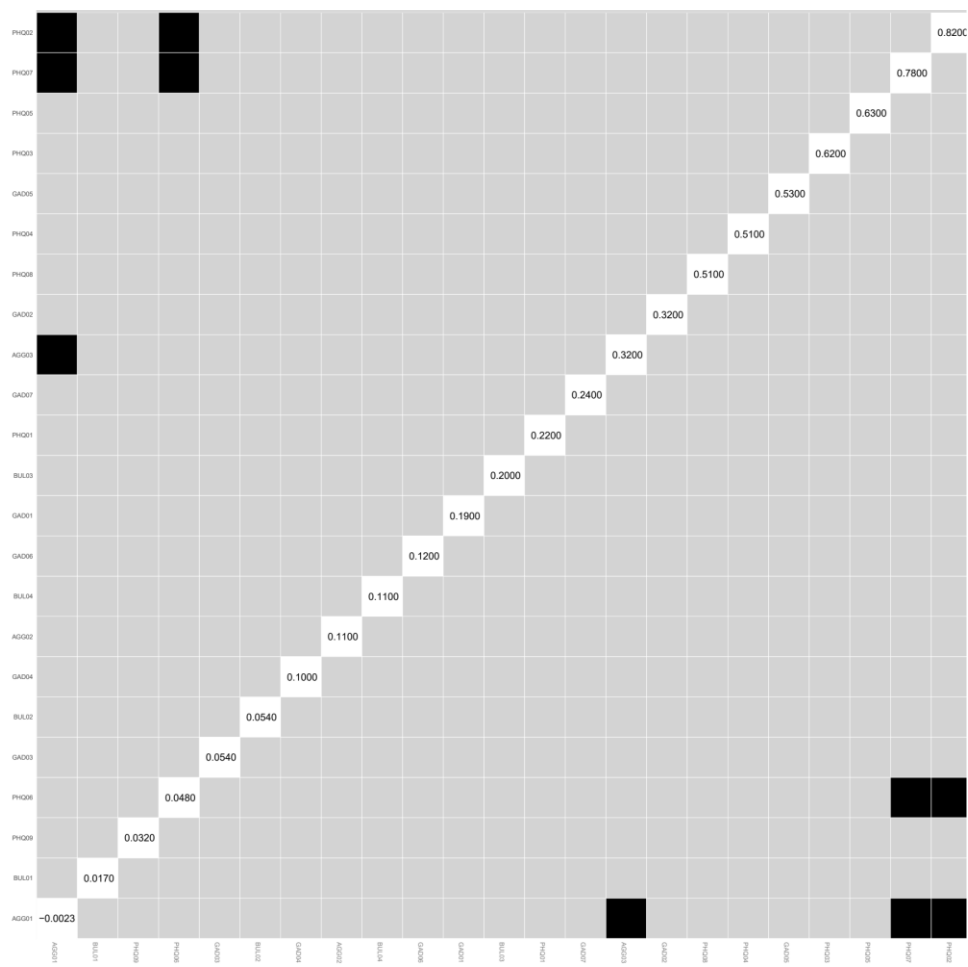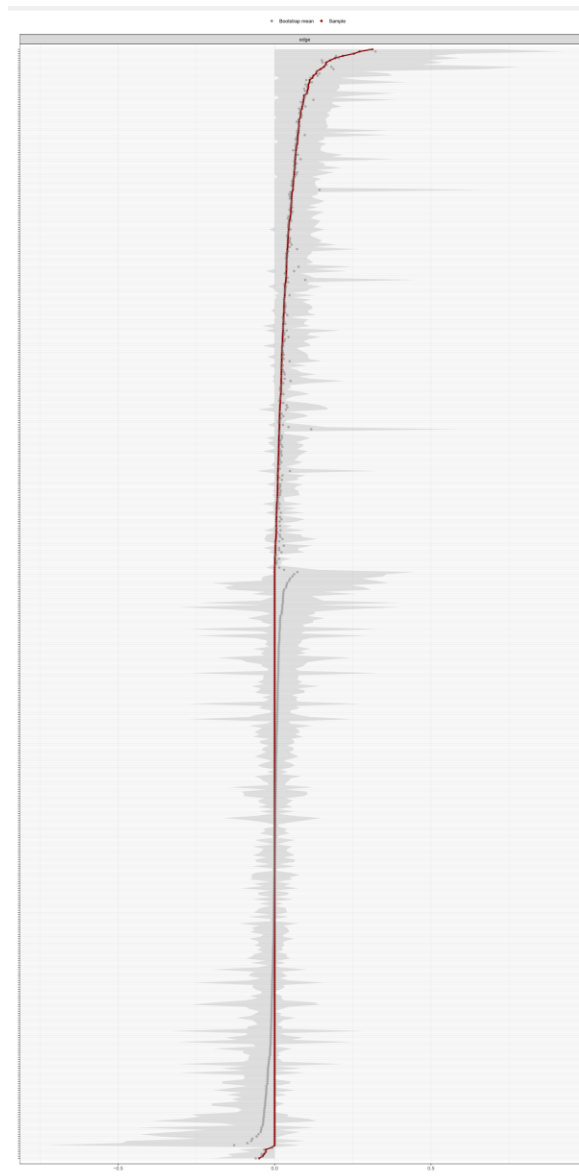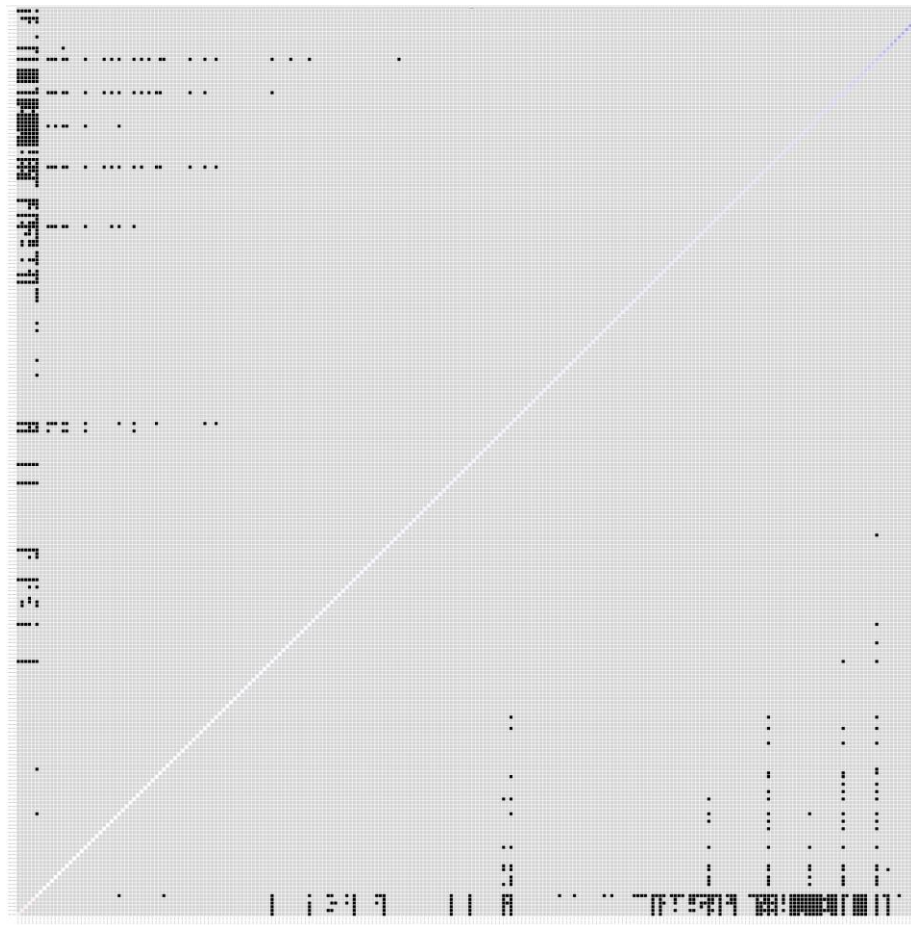**Supplementary Figure 1 Stability of the key elements for cross-lagged panel network.**

Supplementary Figure 2 Bootstrapped the key elements difference for cross-lagged panel network, the black box represents a significant non-zero difference between two nodes, while the gray box is not significant.

Supplementary Figure 3 95% confidence intervals of each edge. The red dots represent sample edge weights, the gray dots represent the average edge weights from bootstrap, and the gray area represents the 95%confidence interval.

Supplementary Figure 4 Bootstrapped difference tests between edge weights, the black box represents a significant non-zero difference between the weights of two edges, while the gray box is not significant.