



**Supplementary Figure 3.** Stability of strength and expected influence by case dropping subset bootstrap. The x-axis represents the percentage of cases of original sample used at each step. The y-axis represents the average of associations between the expected influence from the original network and that from the re-estimated networks after dropping increasing percentages of cases. The line indicates the average correlations of with original sample in the expected influence, while areas indicate 95% confidence interval. COVID-19, coronavirus disease-2019.