**S4 Table. Comparison of the forecasting performance of 3-month short-term intervention models for all countries.** Calculations of the performance metrics are based on the intervention period. The three-parameter form has a better performance in predicting intervention effects for air passengers in the U.S. and Singapore and air freight in the U.S.

| Indicators         | Linear | Non-linear two-parameter | Non-linear three-parameter |
|--------------------|--------|--------------------------|----------------------------|
|                    | MAPE (%) | MAE | RMSE | MAPE (%) | MAE | RMSE | MAPE (%) | MAE | RMSE |
| China air passengers | 43.18 | 25.54 | 27.071 | 18.12 | 3.68 | 4.82 | - | - | - |
| U.S. air passengers | - | - | - | - | - | - | 0.00061 | 0.00011 | 0.00015 |
| Singapore air passengers | - | - | - | - | - | - | 63.36 | 0.25 | 0.26 |
| China air freight   | 13.94 | 0.091 | 0.098 | 6.16 | 0.028 | 0.038 | - | - | - |
| U.S. air freight    | 31.68 | 152.44 | 157.028 | 15.76 | 37.092 | 38.13 | 2.39 | 11.12 | 14.74 |
| Singapore air freight | 22.22 | 0.021 | 0.027 | 8.81 | 0.0045 | 0.0052 | - | - | - |