**Table S8.** Evaluation of IPSO-LSTM model prediction results, comparing target stock independent prediction with matching stock prediction.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Stocks** | **Prediction Type** | **MAPE** | **RMSE** | **MAE** | **R2** |
| Tongrentang-Xizang | **independent** | 0.0031 | 0.2440 | 0.1532 | 0.9887 |
| **matching** | 0.0027 | 0.1962 | 0.1292 | 0.9927 |
| Jichuan-Mayinglong | **independent** | 0.0050 | 0.2104 | 0.1580 | 0.9897 |
| **matching** | 0.0054 | 0.2007 | 0.1667 | 0.9906 |
| Jichuan-Darentang | **independent** | 0.0050 | 0.2104 | 0.1580 | 0.9897 |
| **matching** | 0.0048 | 0.1961 | 0.1522 | 0.9910 |

Note: Root Mean Square Error, RMSE; Mean Absolute Error, MAE; Mean Absolute Percentage Error, MAPE; coefficient of determination, R2.