**Table S1. Potential predictors collated for generalised linear model (GLM) analysis**

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| Predictor name | Description |
| WaterResources | Surface Water Resources (100 million cu.m) |
| popSize | Resident Population (10, 000 persons) |
| sampleSize | Total number of sequences used in the analysis |
| ruralPop | Rural Population (%) |
| poultrySales | Sales of Poultry Per Capita Rural Household (kg) |
| natureReserves | Percentage of Nature Reserves in the Region (%) |
| pollution | Sum of Smoke and Dust, Sulphur Dioxide, Nitrogen Oxides (10 000 tonnes) |
| humidity | Average Relative Humidity of Major Cities (%) |
| Average Distance | Distance between two locations, calculated using latitude and longitude coordinates |