Table S1. Origins of ethnic Chinese individuals used in the study

| Item      | Total case | Rate (%) |
|-----------|------------|----------|
| Macau     | 4,302      | 22.8     |
| Shanghai  | 2,520      | 13.4     |
| Zhejiang  | 1,413      | 7.5      |
| Hubei     | 1,090      | 5.8      |
| Fujian    | 959        | 5.1      |
| Guangdong | 919        | 4.9      |
| Gansu     | 559        | 3.0      |
| Shandong  | 481        | 2.6      |
| Sichuan   | 456        | 2.4      |
| Guizhou   | 390        | 2.1      |
| Hunan     | 375        | 2.0      |
| Liaoning  | 319        | 1.7      |
| Hebei     | 317        | 1.7      |
| Neimenggu | 273        | 1.4      |
| Jiangsu   | 213        | 1.1      |
| Henan     | 163        | 0.9      |
| Xizang    | 137        | 0.7      |
| Guangxi   | 96         | 0.5      |
| Shaanxi   | 92         | 0.5      |
| Shanxi    | 75         | 0.4      |
| Tianjin   | 72         | 0.4      |
| Anhui     | 70         | 0.4      |
| Beijing   | 106        | 0.6      |
| Jiangxi   | 45         | 0.2      |
| Jilin     | 40         | 0.2      |
| Heilongjiang | 31    | 0.2      |
| Chongqing | 21         | 0.1      |
| Yunnan    | 11         | 0.1      |
| Others    | 642        | 3.4      |
| Singapore |            |          |
| Total*    | 18,844     | 100.0    |

* 642 individuals with unknown origin were not included in the table