### Table S1. Distribution of *E. bieneusi* genotypes in humans in China.

| Genetic group | ITS genotypes (n) | Location | Reference |
|---------------|-------------------|----------|-----------|
| **Group 1**   |                   |          |           |
| PigEBITS5 (3), CC2 (2), CQ-H2 (2), CQ-H3 (2), CQ-H1 (1), CQ-H4 (1) | Chongqing | [8] |
| D (11), type IV (8), PigEBITS7 (7), EbpC (4), GX25 (1), GX456 (1), GX458 (1) | Guangxi | [24] |
| EbpC (39), D (12), type IV (7), PigEBITS7 (1), Peru8 (1), EbpD (1), LW1 (1) a, Henan-II (1), Henan-III-Henan-V (1 each), Perui11 (1) | Henan | [46] |
| EbpC (11), Henan-IV (3), CS-4 (2), NEC1–NEC5 (1 each) | Heilongjiang | [51] |
| D (4), **HLJ-CPI (1)** | Jilin | [55] |
| CHN4 (3) | Shanghai | [45] |
| Peru11 (6), SH2 (3), EbpA (2), D (1), EbpC (1), LW1 (1) a, SH1 (1), SH3 (1), SH4 (1), SH6 (1), SH8 (1), **SH9–SH11 (1 each)**, type IV (1) a | Hubei | [48] |
| D (1) | Xinjiang | [36] |
| NIA1 (19), D (6), A (3), EbpA (3), CHJH1 (1), KB-1 (1) | Yunnan | [12] |
| Peru 6 (21), YN104 (1), YN241 (1), YN249 (1) | Chongqing, Hubei, Shandong b | [53] |
| D (1), **CQH5 (1)**, **CQH9 (1)**, **CQH10 (1)**, **CQH11 (1)** | Guangxi | [17] |
| D (4), Macaque3 (2) a, **MEB5 (1)** | Henan | [52] |
| D (17), PigEBITS7 (2), CM8 (1) | Henan | [52] |
| **Subtotal** | | | |
| D (57), EbpC (55), Peru6 (21), NIA1 (19), type IV (16), PigEBITS7 (10), Peru11 (7), EbpA (5), Henan-IV (4), A (3), CHN4 (3), SH2 (3), PigEBITS5 (3), CC2 (2), Macaque3 (2), CQ-H2 (2), CQ-H3 (2), CS-4 (2), LW1 (2), CM8 (1), CQ-H1 (1), CQ-H4 (1), CQ-H5 (1), CQH9 (1), CQH10 (1), CQH11 (1), **CXJH1 (1)**, EbpD (1), GX25 (1), GX456 (1), GX458 (1), Henan-II (1), Henan-III (1), Henan-V (1), **HLJ-CPI (1)**, MEB5 (1), KB-1 (1), NEC1–NEC5 (1 each), Peru8 (1), SH1 (1), SH3 (1), SH4 (1), SH6 (1), SH8 (1), **SH9–SH11 (1 each)**, YN104 (1), YN241 (1), YN249 (1) | Henan | [52] |
| **Group 2** | | | |
| **BEB4 (5)** a, CHN3 (4), I (3), J (3), **CHN2 (2)** | Jilin | [55] |
| **BEB6 (1)** a | Shanghai | [45] |
| CXJH 2 (1), CXJH 3 (1), CHN6 (1) | Xinjiang | [36] |
| J (2), **BEB6 (1)** | Henan | [52] |
| **Subtotal** | | | |
| BEB4 (5), J (5), CHN3 (4), I (3), BEB6 (2), **CHN2 (2)**, CHN6 (1), CXJH2 (1), **CXJH3 (1)** | Chongqing, Hubei, Shandong b | [53] |
| **Group 5** | | | |
| **CQH6 (1)**, **CQH7 (1)**, **CQH8 (1)** | Chongqing, Hubei, Shandong b | [53] |

The bolded genotypes are found only in humans.

[a] Four genotypes in Table S1 have been changed to the first published names instead of genotype names described in original papers (SH5 to
BEB6, CHN1 to BEB4, SH12 to type IV, SH7 to LW1, Henan I to LW1, CM1 to Macaque3).

Unspecific geographical distribution of the genotypes in one study conducted in Chongqing, Hubei, Shandong by Zang et al. (2021) [44].