**Supplementary Fig. S1** Locations of tomato and potato growing areas where 40 *P. infestans* isolates used in this study were collected

1 = Nubaria; 2 = Salem gad; 3 = Ibsheway; 4 = Yousef El-Sedeq; 5 = Hana habeeb; 6 = EL-Ayyt; 7 = EL-Badrasheen; 8 = Bergash; 9 = Qalyub; 10 = Qasaseen; 11 = Salhaiy; 12 = Qallin; 13 = Sakha; 14 = Kafrelsheikh; 15 = Sidi Ghazy; 16 = EL-Hamoul; 17 = Balteem. Cairo, the captial of Egypt, is indicated by a dot.