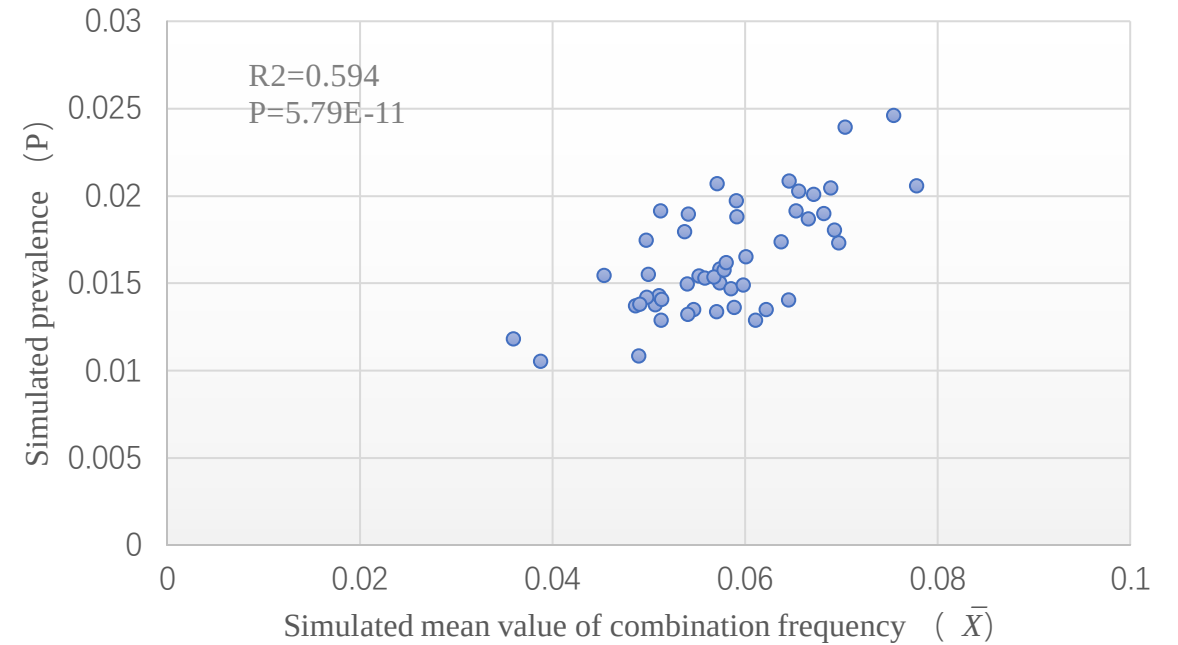
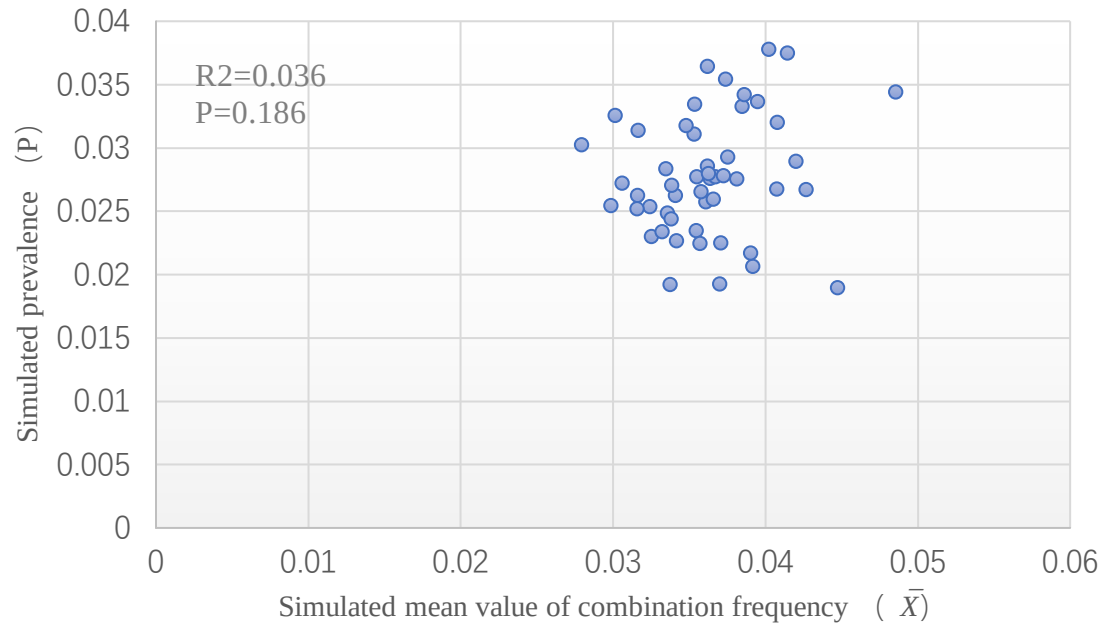


Supplementary Figure 4. The linear relationship between P and $\bar{X}$ in 50 populations



(a) when the frequencies were too closed by generated from randomly computer simulation, the scattered points generated with P and $\bar{X}$ looks like a concentrated circle; (b) When the frequencies generated by a random computer simulation are dispersed, the scatter looks like an ellipse, the linear relationship was significant.