**Table S7** AMOVA result of all populations

| Source | Degree of freedom(df) | The sum of squares(SS) | The mean sum of squares(MS) | Estimation of variance components. (Est. Var.) | Participation/ % (%) |
|---|---|---|---|---|---|
| Among Pops | 12 | 457.323 | 38.110 | 1.099 | 14% |
| Within Pops | 329 | 2278.627 | 4.392 | 7.030 | 86% |
| Total | 341 | 2735.994 | | 8.129 | 100% |
| | | | $F_{ST}$ = 0.135 | | |