|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Source of variation** | **d.f.** | **Sum of squares** | **Variance components** | **Percentage of variation** |  |
| **Seasonal model of variation** | Among populations | 3 | 2.636 | **0.01609 Va** | 3.47 | **FST = 0.035** |
| Within populations | 111 | 49.660 | **0.44739 Vb** | 96.53 |  |
| **Spatial model of variation** | Among groups | 3 | 25.180 | 0.12998Va | 2.38 | FCT= 0.024 |
| Among populations | 3 | 16.016 | 0.00120Vb | 0.02 | FSC= 0.0002 |
| Within populations | 109 | 579.856 | 5.31978Vc | 97.59 | FST= 0.023 |

**Table S5.** AMOVA analysis results for both seasonal and spatial models of variation. Significant values are shown in bold (P<0.05)