**S5 Table**. **Genetic diversity indices for the three clusters identified by GENELAND**. Number of individuals (n), mean number of alleles (A), private alleles (Pa) observed (Ho) and expected (He) heterozygosities, overall Fis, Hardy-Weinberg equilibrium p-value, and Mantel’s correlation (r) of IBD tests, p<0.001).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cluster** | **n** | **A** | **Pa** | **Ho** | **He** | **Fis** | **HWE**  | **Mantel’s r** |
| GL\_red | 126 | 5.56 | 14 | 0.49 | 0.57 | 0.152 | <0.001 | 0.227 |
| GL\_green | 150 | 5.78 | 19 | 0.53 | 0.6 | 0.129 | <0.001  | 0.145 |
| GL\_yellow | 57 | 3.82 | 0 | 0.47 | 0.52 | 0.117 | <0.001  | 0.272 |
| total | 333 | 6.6 | 33 | 0.49 | 0.6 | 0.167 | <0.001  |  0.295 |