**Table S2. Results of SAMOVA for the NL and OL datasets (1858 and 145 SNPs, respectively).** The best representation of the observed clusters was obtained without previously defined groups.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NL** | | | | |
| **Two groups** | **Source of varation** | **% of variance** | **Fixation index** | ***p*- value** |
| [SRO-SON-LOR-LPA-TSA-SIN-NAY-COL-MCH-GRO-PTO-OAX-SLV-CRI-PAN-ECU]  +  [CLB] | Among groups | 3.43 | FCT = 0.0342 | NS |
| Among populations within groups | -2.95 | FSC = -0.0305 | NS |
| Among individuals within population | 5.15 | FIS = 0.0517 | 0.001 |
| Within populations | 94.37 | FST = 0.0562 | 0.03 |
| **OL** | | | | |
| **Two groups** | **Source of varation** | **% of variance** | **Fixation index** | ***p*- value** |
| [SRO-SON-LOR-LPA-TSA-SIN-NAY-COL-MCH-GRO-PTO-OAX-SLV-CRI]  +  [PAN-CLB-ECU] | Among groups | 48.29 | FCT = 0.4860 | 0.001 |
| Among populations within groups | 0.68 | FSC = 0.0270 | NS |
| Among individuals within population | -0.28 | FIS = -0.0054 | NS |
| Within populations | 51.31 | FST = 0.4972 | < 0.001 |

**Note:** NS = no significant