**Table S2.** AMOVA analysis based on variability of 11 nuclear microsatellites in four studied groups (Banat donkey, BanD, potential hybrids, HY, and two sub-populations of the Balkan donkey, BalkD-BGP and BalkD-RGP).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Source of variation** | **d.f.** | **Sum of squares** | **Variance components** | **% of variation** | **Fixation indices** | ***P-*value** |
| Among population | 3 | 22.750 | 0.178 | 6.63 | *FST* = 0.066\*\*\* | 0.000 |
| Among individuals  within populations | 64 | 138.544 | -0.340 | -12.69 | *FIS* = -0.136 | 1.000 |
| Within individuals | 68 | 193.500 | 2.846 | 106.06 | *FIT* = -0.061 | 1.000 |
| Total | 135 | 354.794 |  |  |  |  |

d.f., degrees of freedom.

\**P* < 0.05; \*\**P* < 0.01; \*\*\**P* < 0.001.