**Table S9.** Global testsof deviation from Hardy-Weinberg equilibrium by heterozygote excess and heterozygote deficiency conducted in GenePop, across 15 populations of lumpfish genotyped using 10 microsatellite loci (\*denotes significant deviation after Bonferroni correction).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Population | Het excess | | Het deficiency | |
| *P* | S.E. | *P* | S.E. |
| FB | 0.971 | 0.005 | 0.042 | 0.005 |
| CB | 0.955 | 0.005 | 0.060 | 0.007 |
| WB | 0.998 | 0.001 | 0.001\* | 0.001 |
| Ha | 0.676 | 0.014 | 0.332 | 0.016 |
| Kl | 1.000 | 0.001 | 0.001\* | 0.001 |
| VB | 0.904 | 0.011 | 0.099 | 0.008 |
| OH | 0.906 | 0.011 | 0.100 | 0.010 |
| We | 0.849 | 0.011 | 0.160 | 0.013 |
| Gu | 0.521 | 0.017 | 0.493 | 0.016 |
| Na | 0.994 | 0.002 | 0.004 | 0.001 |
| Av | 0.306 | 0.014 | 0.689 | 0.014 |
| Ro | 0.376 | 0.011 | 0.580 | 0.009 |
| KB | 0.996 | 0.001 | 0.006\* | 0.001 |
| Öl | 1.000 | 0.001 | 0.001\* | 0.001 |
| GS | 1.000 | 0.001 | 0.001\* | 0.001 |