**S4 Table.** **Summary statistics for genetic variation at 6 microsatellite loci in 9 populations of small abalone.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Population (*N*) | MS-1 | MS-2 | MS-3 | MS-7 | MS-11 | MS-19 | Average |
| JW-W (8) | *A* | 5 | 3 | 4 | 3 | 6 | 7 | 4.67 |
|  | Ar | 4.850  | 2.875  | 3.867  | 3.000  | 5.733  | 6.733  | 4.51 |
|  | *H*o | 0.500  | 0.375  | 1.000  | 0.286  | 0.375  | 0.375  | 0.485  |
|  | *H*e | 0.675  | 0.542  | 0.675  | 0.473  | 0.808 | 0.883  | 0.676  |
|  | *F*IS | 0.273 | 0.323 | -0.534 | 0.415 | 0.553\* | 0.592\* | 0.297\* |
| JF-W (12) | *A* | 4 | 6 | 8 | 3 | 10 | 9 | 6.67 |
|  | Ar | 3.004  | 5.139  | 6.754  | 2.877  | 8.266  | 7.298  | 5.56 |
|  | *H*o | 0.333  | 0.750  | 0.917  | 0.091  | 0.333  | 0.667  | 0.515  |
|  | *H*e | 0.308  | 0.688  | 0.870  | 0.498  | 0.913  | 0.880  | 0.693  |
|  | *F*IS | -0.086 | -0.094  | -0.057  | 0.825\*  | 0.645\*  | 0.251  | 0.265\* |
| JS-W (12) | *A* | 5 | 6 | 8 | 2 | 8 | 7 | 6.00 |
|  | Ar | 3.691  | 5.192  | 6.291  | 1.980  | 7.130  | 6.412  | 5.12 |
|  | *H*o | 0.167  | 0.833  | 0.667  | 0.167  | 0.091  | 0.500  | 0.404  |
|  | *H*e | 0.435  | 0.746  | 0.848  | 0.290  | 0.887  | 0.859  | 0.678  |
|  | *F*IS | 0.627\* | -0.122  | 0.221  | 0.436  | 0.902\*  | 0.429\*  | 0.415\* |
| TE-W (12) | *A* | 3 | 5 | 9 | 3 | 7 | 13 | 6.67 |
|  | Ar | 2.941  | 4.565  | 6.589  | 2.577  | 5.781  | 9.709  | 5.36 |
|  | *H*o | 0.333  | 0.667  | 0.583  | 0.333  | 0.333  | 1.000  | 0.542  |
|  | *H*e | 0.620  | 0.790  | 0.808  | 0.409  | 0.804  | 0.942  | 0.729  |
|  | *F*IS | 0.473 | 0.162\*  | 0.287\*  | 0.193  | 0.596\*  | -0.065  | 0.265\* |
| TH-W (12) | *A* | 3 | 6 | 7 | 2 | 5 | 12 | 5.83 |
|  | Ar | 2.878  | 5.042  | 5.272  | 1.980  | 4.842  | 8.776  | 4.80 |
|  | *H*o | 0.364  | 0.417  | 0.750  | 0.167  | 0.500  | 0.667  | 0.477  |
|  | *H*e | 0.537  | 0.743  | 0.736  | 0.290  | 0.772  | 0.917  | 0.666  |
|  | *F*IS | 0.333 | 0.450\*  | -0.021  | 0.436  | 0.362\*  | 0.282  | 0.292\* |
| TP-C (10) | *A* | 2 | 5 | 5 | 1 | 6 | 8 | 4.50 |
|  | Ar | 1.997  | 4.665  | 4.100  | 1.000  | 5.303  | 6.700  | 3.96 |
|  | *H*o | 0.400  | 0.800  | 0.800  | 0.000 | 0.300  | 0.900  | 0.640  |
|  | *H*e | 0.337  | 0.768  | 0.600  | 0.000 | 0.789  | 0.837  | 0.666  |
|  | *F*IS | -0.200  | -0.043  | -0.358  | NA | 0.633\* | -0.080  | 0.042\* |
| TM-C (10) | *A* | 2 | 7 | 6 | 1 | 7 | 7 | 5.00 |
|  | Ar | 1.982  | 6.285  | 5.524  | 1.000  | 6.384  | 6.018  | 4.53 |
|  | *H*o | 0.300  | 0.300  | 0.900  | 0.000 | 0.600  | 0.800  | 0.580  |
|  | *H*e | 0.268  | 0.858  | 0.811  | 0.000 | 0.847  | 0.832  | 0.723  |
|  | *F*IS | -0.125  | 0.663\*  | -0.117  | NA | 0.303\* | 0.040  | 0.207\* |
| TE-C (10) | *A* | 4 | 5 | 4 | 2 | 7 | 9 | 5.17 |
|  | Ar | 3.682  | 4.399  | 3.400  | 1.700  | 6.367  | 8.093  | 4.61 |
|  | *H*o | 0.600  | 0.800  | 0.500  | 0.100  | 0.500  | 0.900  | 0.567  |
|  | *H*e | 0.642  | 0.747  | 0.574  | 0.100  | 0.816  | 0.921  | 0.633  |
|  | *F*IS | 0.069  | -0.075  | 0.135  | 0.000  | 0.400 | 0.024  | 0.110 |
| TK-C (10) | *A* | 5 | 6 | 7 | 3 | 7 | 10 | 6.33 |
|  | Ar | 4.400  | 5.318  | 5.704  | 3.000  | 6.236  | 8.246  | 5.48 |
|  | *H*o | 0.600  | 0.700  | 0.700  | 0.600  | 0.200  | 0.900  | 0.617  |
|  | *H*e | 0.758  | 0.805  | 0.689  | 0.700  | 0.847  | 0.889  | 0.782  |
|  | *F*IS | 0.217\*  | 0.137  | -0.016  | 0.150  | 0.774\* | -0.013  | 0.220\* |

*N* = number of samples, *A* = allele number, Ar = allele richness, *H*e = expected heterozygosity, *H*o = observed heterozygosity, *F*IS = ﬁxation index, HWE = Hardy–Weinberg equilibrium test. *P <* 0.05.