**Supplementary Material**

Lack of genetic structure in Kentish Plover *Charadrius alexandrines* from the Iberian coast. What’s wrong with the endangered north-western population?

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Table S1. Geographic location and population group of 31 Kentish Plover sites sampled.

|  |  |  |  |
| --- | --- | --- | --- |
| BEACH | POPULATION (Primary Level) | POPULATION (Secondary Level) | UTM Coordinates |
| Altar | North Galicia | Atlantic Coast | 29T 641620 / 4825440 |
| Pampillosa | 29T 637742 / 4828442 |
| Vilarrube | 29T 573944 / 4832921 |
| Valdoviño | 29T 567537 / 4829297 |
| Ponteceso | Central Galicia | 29T 505014 / 4785990 |
| Traba | 29T 496413 / 4782201 |
| Nemiña | 29T 478940 / 4761876 |
| Rostro | 29T 478365 / 4757118 |
| Caldebarcos-Carnota | 29T 491408 / 4741514 |
| Louro | 29T 492147 / 4733296 |
| Balieiros | South Galicia | 29T 493885 / 4714705 |
| Corrubedo | 29T 496461 / 4713593 |
| Corna | 29T 504196 / 4714993 |
| Lanzada | 29T 510275 / 4699875 |
| Moledo | North Portugal | 29T 511022 / 4632663 |
| Áncora | 29T 511070 / 4628133 |
| Afife | 29T 510551 / 4624400 |
| Carreço | 29T 510765 / 4620255 |
| Costa Nova | Central Portugal | 29T 521223 / 4498144 |
| Tocha | 29T 513110 / 4463937 |
| Cova | 29T 511640 / 4441156 |
| Leirosa | 29T 509019 / 4432624 |
| Melides | South Portugal | 29S 518376 / 4220757 |
| Ilha Deserta | 29S 600595 / 4091796 |
| Odiel | Huelva | 29S 685687 / 4114198 |
| La Mata | Alicante | Mediterranean Coast | 30S 704566 / 4212074 |
| El Moncayo | 30S 706131 / 4212662 |
| Serradal | Castellón | 31T 246938 / 4433345 |
| Trabucador | Cataluña | 31T 311091 / 4502100 |
| Eucalyptus | 31T 313208 / 4503188 |
| Fangar | 31T 313969 / 4515149 |

Table S2. Haplotypes, polymorphic nucleotide positions and number of Kentish Plovers found for haplotype in the sampled populations in the coastal Iberian Peninsula. Sampled populations: NG, North Galicia; CG, Central Galicia; SG, South Galicia; NP, North Portugal; CP, Central Portugal; SP, South Portugal; H, Huelva; AL, Alicante; CS, Castellón, CT, Cataluña.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Polymorphic positions** | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 1 | 1 | 2 | 2 | 2 | 4 |  | | | | | | | | | |  |
|  | 2 | 9 | 0 | 5 | 1 | 1 | 7 | 9 | **POPULATIONS** | | | | | | | | | |  |
| **Haplotype** | 2 | 0 | 4 | 2 | 1 | 3 | 1 | 4 | NG | CG | SG | NP | CP | SP | H | AL | CS | CT | TOTAL |
| Ch1 | C | A | A | C | T | C | C | G | 4 | 24 | 9 | 8 | 3 | 3 | 7 | 4 | 5 | 10 | 77 |
| Ch2 | - | - | - | - | - | - | - | A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Ch3 | - | - | G | - | - | - | - | - | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| Ch4 | G | - | - | - | - | - | - | - | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| Ch5 | - | - | - | - | - | T | - | - | 0 | 1 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 7 |
| Ch6 | - | - | - | - | A | - | - | - | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Ch7 | - | T | - | - | - | - | - | - | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ch8 | - | - | - | T | - | - | - | - | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Ch9 | - | - | - | - | - | - | A | - | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total birds |  |  |  |  |  |  |  |  | 5 | 27 | 12 | 9 | 12 | 3 | 8 | 4 | 5 | 11 | 96 |

Table S3.*Nm* values found for microsatellites data in the sampled populations. Abbreviations: See Table S2.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | NG | CG | SG | NP | CP | SP | H | AL | CS | CT |
| NG | - | 99999 | 99999 | 15.59 | 99999 | 9.46 | 108.41 | 20.4 | 22.77 | 99999 |
| CG |  | - | 99999 | 20.72 | 18.43 | 28.87 | 7.81 | 9.19 | 6.99 | 9.81 |
| SG |  |  | - | 99999 | 99999 | 99999 | 42.64 | 99999 | 13.28 | 532.31 |
| NP |  |  |  | - | 99999 | 6.11 | 5.28 | 18.04 | 3.36 | 11.50 |
| CP |  |  |  |  | - | 11.19 | 137.2 | 99999 | 6.51 | 28.18 |
| SP |  |  |  |  |  | - | 5.74 | 9.02 | 5.74 | 78.3 |
| H |  |  |  |  |  |  | - | 16.54 | 4.42 | 57.23 |
| AL |  |  |  |  |  |  |  | - | 3.27 | 99999 |
| CS |  |  |  |  |  |  |  |  | - | 3.38 |
| CT |  |  |  |  |  |  |  |  |  | - |