# Supplementary Tables

Table S1: Microsatellite marker information

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Locus | Primer sequence (5'-3') | *T*A | Size | Fluo | Motif | *F*IS | *P*-Val |
| *D10S1432* | Fwd:CAGTGGACACTAAACACAATCCRev:TAGATTATCTAAATGGTGGATTTCC | 54 | 150 | Fam | TATC | -0.042  | 0.576  |
| *D10S2483* | Fwd:CAGGTTTTGCAATTGCTTTCRev:AACCATCTCCACCCACATAA | 55 | 170 | Fam | GATA | 0.150  | 0.170  |
| *D10S676* | Fwd:GAGAACAGACCCCCAAATCTRev:ATTTCAGTTTTACTATGTGCATGC | 61 | 210 | Tamra | GATA | 0.262  | 0.142  |
| *D12S375* | Fwd:TTGTTGAGGGTCTTTCTCCARev:TCTTCTTATTTGGAAAAGTAACCC | 60 | 180 | Tamra | TATC | -0.101  | 0.606  |
| *D14S306* | Fwd:AAAGCTACATCCAAATTAGGTAGGRev:TGACAAAGAAACTAAAATGTCCC | 52 | 190 | Tamra | GATA | -0.089  | 0.076  |
| *D19S248* | Fwd:GTCCAAGGAGACAGAGCCARev:ACTGTGCCTGACTTCTGCT | 61 | 104 | Hex | GATA | -0.152  | 0.127  |
| *D19S582* | Fwd:TGTGAGCAGAGAGATGGACARev:ACAGTGAGTTTGATCTCTAGCA | 61 | 130 | Fam | TATC | -0.117  | 1.000  |
| *D21S2054* | Fwd:GCAGTAAATGTCTATGAAACAAGGRev:ATGATAGGTAGATGGATCAATTAGA | 53 | 180 | Tamra | TATC | 0.034  | 0.201  |
| *D3S1766* | Fwd:ACCACATGAGCCAATTCTGTRev:ACCCAATTATGGTGTTGTTACC | 60 | 230 | Hex | TATC | -0.160  | 0.368  |
| *D6S1036* | Fwd:ATCCCAACTCTTAAATGGGCRev:TTCCATGGCAGAAATTGTTT | 53 | 260 | Tamra | TATC | 0.059  | 0.160  |
| *D6S1040* | Fwd:GAATGCAGGACTGTTTCTGGRev:TATATTTCTTGGGAAAGATAGATGG | 60 | 220 | Tamra | TATC | 0.013  | 0.835  |
| *D6S501* | Fwd:GCTGGAAACTGATAAGGGCTRev:GCCACCCTGGCTAAGTTACT | 58 | 160 | Fam | TATC | 0.016  | 0.827  |
| *D7S1804* | Fwd:TTCAAGTGGTTGGGTTCACTRev:TGGGTCTAGTCCAGTGGTGT | 60 | 240 | Hex | TATC | 0.031  | 0.326  |
| *D7S2204* | Fwd:TCATGACAAAACAGAAATTAAGTGRev:AGTAAATGGAATTGCTTGTTACC | 54 | 260 | Hex | TATC | -0.001  | 0.420  |
| *D7S820* | Fwd:ATGTTGGTCAGGCTGACTATGRev:GATTCCACATTTATCCTCATTGAC | 61 | 250 | Hex | GATA | 0.088  | 0.862  |
| *D8S1049* | Fwd:TAAGTCAAACAAGCAAAGTGCRev:CCTCCTATTGCTTTTTCCAAA | 55 | 140 | Fam | GATA | -0.071  | 0.731  |
| *D9S252* | Fwd:ACCATGATTTGTCAACTCCTARev:ACAATGAACATCCATATACCC | 56 | 220 | Tamra | GATA | 0.112  | 0.378  |
| *D9S905* | Fwd:GTGGGAAAATTGGCCTAAGTRev:CTTCTGAGCCTCACACCTGT | 54 | 280 | Hex | ATTC | -0.061  | 0.095  |
| *TPOX* | Fwd:GCACAGAACAGGCACTTAGGRev:CCAAAATTGAACTCCTCA | 61 | 230 | Hex | AATG | 0.034  | 0.530  |

\* *T*A denotes the annealing temperature of the primers (°C), size denotes the size of PCR products (bp), Fluo denotes the fluorescence label, *N* denotes the number of individuals types, *F*IS denotes the Wright’s inbreeding coefficient, *P*-Val denotes the Hardy-Weinberg equilibrium test.

Table S2: Prior distributions for model parameters used in divergence model comparisons (Fig. 3a).

|  |  |
| --- | --- |
| Parameter | Scenario |
| Prior Distribution | Minimum | Maximum |
| Effective population size |
| NA | uniform | 10 | 200000 |
| N1 | uniform | 10000 | 1000000 |
| N2 | uniform | 10000 | 2000000 |
| N3 | uniform | 10000 | 2000000 |
| Time of events |
| t1 | uniform | 10 | 400000 |
| t2 | uniform | 10 | 1000000 |
| Mean mutation rate uniform | uniform | 1.0×10-7 | 1.0×10-5 |
| Individual locus mutation rate | Gamma | 1.0×10-8 | 1.0×10-5 |
| Mean coefficient *P* | uniform | 0.1 | 0.7 |
| Individual locus coefficient *P* | Gamma | 0.01 | 0.9 |

3 Table S3 the seven bioclimatic variables that were used in ecological niche modelling.

|  |  |
| --- | --- |
| Code | Bioclimatic variable |
| BIO2 | Mean Diurnal Range (Mean of monthly (max temp - min temp)) |
| BIO5 | Max Temperature of Warmest Month |
| BIO6 | Min Temperature of Coldest Month |
| BIO7 | Temperature Annual Range (BIO5-BIO6) |
| BIO14 | Precipitation of Driest Month |
| BIO15 | Precipitation Seasonality (Coefficient of Variation) |
| BIO18 | Precipitation of Warmest Quarter |

4 Figure S1 the posterior probabilties of the ten scenarios

