**Supplementary Table S2:**

**Microsatellite, mitochondrial and sexing primers used in this study.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Oligo Name** | **Sequence (5' to 3')** | **5' Dye** | **Reference** |
| **Genotyping:** |  |  |  |
| **Microsatellite multiplex 1 (P1):** |  |  |  |
| Emu03\_Eleph\_F | AGAAGCAAAACCCATGAAGC | NED | Kongrit et al. 2008 |
| Emu03\_Eleph\_R | TTGAAACTTGCCAGCCTCTT |  |
| Emu04\_Eleph\_F | TGACTCTCCCTCTTCTGCATC | FAM | Kongrit et al. 2008 |
| Emu04\_Eleph\_R | GGCTGAGAGGGAAAGAAATTG |  |
| Emu07\_Eleph\_F | GAGCAGTGCCTTTCGTGAC | VIC | Kongrit et al. 2008 |
| Emu07\_Eleph\_R | AGCCTGGGAGGTAAGTAGCA |  |
| Emu12\_Eleph\_F | CAAAGAAGACCCATGTTCC | PET | Kongrit et al. 2008 |
| Emu12\_Eleph\_R | CTGACTATGGGGGAGACTGC |  |
| FH48\_Eleph\_F | GAGTCTCCATAATCAAGAGCG | FAM | Comstock et al. 2000 |
| FH48\_Eleph\_R | CCTCCCTGGAATCTGTACAG |  |
| **Microsatellite multiplex 2 (P2):** |  |  |  |
| Emu10\_Eleph\_F | AATCGACTCAGCAGCAACAG | FAM | Kongrit et al. 2008 |
| Emu10\_Eleph\_R | CCAGTAAATCCATATCACTCGTC |  |
| Emu15\_Eleph\_F | TTCGGGATGTTCTCTTCTGT | NED | Kongrit et al. 2008 |
| Emu15\_Eleph\_R | GGGGCTTAACTAATAGGCTTCA |  |
| Emu17\_Eleph\_F | CACTCAGAGTTCCAAGAAGCAG | VIC | Kongrit et al. 2008 |
| Emu17\_Eleph\_R | TGCCAGCCATTTCCTCTC |  |
| LafMS03\_Eleph\_F | CATATGAACATACCGGAAC | PET | Nyakaana and Arctander 1998 |
| LafMS03\_Eleph\_R | GAAACTCCTCGAGTAGTAGAA |  |
| **Mitochondrial:** |  |  |  |
| AEL\_dloop\_1360\_F | GCATCACATTATTTACCCCATGC | N/A | This study |
| AEL\_dloop\_1564\_R | GGTTGATGGTTTCTCGGAGG |  |
| CR\_F1\_AEL\_RZSS | TTAAATGCTCGTCCCCATACA | N/A | This study |
| CR\_R1\_AEL\_RZSS | ACGATCAAGAGCTTTAATGTGC |  |
| **Sexing:** |  |  |  |
| PLP1\_Ele\_SEXF | CCCACTTCTGCCATATCTGC | N/A | Ahlering et al. 2011 |
| PLP1\_Ele\_SEXR | GCAGAGGCTCCAACTCAATC |  |
| AMELY2\_Ele\_SEX\_F | CAGGGAGGTTTTACGTTAGGG | N/A | Ahlering et al. 2011 |
| AMELY2\_Ele\_SEX\_R | GCGATTTGAAGCTGAAAAGG |  |
| SRY1\_Ele\_SEX\_F | CCAGTGGAAAATGCTTACGG | N/A | Ahlering et al. 2011 |
| SRY1\_Ele\_SEX\_R | GCATTGCCCTTAGTCTCTGC |  |