**S4 Table.** The primers used for “Spike PCR” (L15996 e H16401) and detection of aDNA relative to bovine (Bov84/90-F/R), pig (Sus85-F/R; Sus98-F/R), ovine (Ovis-F/R), chicken (Gall-F/R) and fishes (Fish\_miniA\_F/R; Fish\_miniC\_F/R) were shown. In addition, length of PCR amplicons and annealing temperatures were also reported.

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| --- | --- | --- | --- |
| **Primer** | **Sequence** | **Product length** | **Ta** |
| L15996 | CGAAGCTTCTCCACCATTAGCACCCAAAG | 405 bp | 60 °C |
| H16401 | GCGGGATATTGATTTCACGG |
| Bov84-F | TTAGTTGAATTAGGCCATGAAGCA | 84 bp | 54 °C |
| Bov84/90-R | GTTTAAATAGGGTTAAGATGCACTCAATC |
| Bov90-F | GAGTGCTTAGTTGAATTAGGCC | 90 bp | 54 °C |
| Bov84/90-R | GTTTAAATAGGGTTAAGATGCACTCAATC |
| Sus85-F | GGAGCAGTGTTCGCCATTAT | 85 bp | 57 °C |
| Sus85-R | TTTTTGCTCATGCTTGGTTG |
| Sus98-F | GCGGGTACTGGATGAACTGT | 98 bp | 57 °C |
| Sus98-R | CCTGCAAGGTGTAGGGAGAA |
| Ovis-F | CCCTAGGTTTCATCTTTCTTTTCACA | 67 bp | 60 °C |
| Ovis-R | AGGGAGGAGTTGGCTAGAACAA |
| Gall-F | AACCTCCTCCAGCGGATAATAAT | 66 bp | 59 °C |
| Gall-R | TTTGTTGGTGGCTGCTTGAA |
| Fish\_miniA\_F | CACGACGTTGTAAAACGACACIAAICAIAAAGAYATYGGC | 129 bp | 46 °C |
| Fish\_miniA\_R | GGATAACAATTTCACACAGGAARAAAATYATAACRAAIGCRTGIGC |
| Fish\_miniC\_F | CACGACGTTGTAAAACGACACYAAICAYAAAGAYATIGGCAC | 127 bp | 46 °C |
| Fish\_miniC\_R | GGATAACAATTTCACACAGGGAARATCATAATGAAGGCATGIGC |