| Marker | 1a | 2a | 2b | 3a | 3b | 3c | 3d | 3e | 3f | 3g | 3h | 4a | 5a | 5b | 5c | 5d | 5e | 6a | 6b | 7a | 8a | 8b | 9a | 9b | 10a |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CR1- | E | Y2 | X2 | F2 | X2 | F2 | Y4 | X2 | D2 | D2 | D2 | H2 | C2 | B2 | B2 | C | (GGLTR4a) | B2 | C | C | B2 | B2 | (GGERV-18LTR) | (GGERV-18LTR) | D2 |
| *Taeniopygia guttata* | - | | | | | | | | | | | | | | | | | | | | | | | | |
| *Anas crecca* | + | - | | - | - | | - | - | - | - | - | - | | - | - | - | - | - | - | - | | | - | - | |
| *Cairinia moschata* | | - | | - | - | | | - | | | | | | - | - | | - | - | - | - | | | - | - | |
| *Alectura lathami* | + | - | - | - | - | - | - | - | - | | | - | - | - | - | - | - | - | - | - | - | | - | - | - |
| *Crax fasciolata* | + | + | + | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | - | - | | - | - | + |
| *Crax alecotor* | | + | + | | - | - | - | - | | | | - | - | - | - | - | - | - | - | | - | | - | - | + |
| *Numida meleagris* | + | + | + | + | + | + | + | + | + | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| *Callipepla squamata* | | + | + | + | + | + | + | + | | + | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| *Colinus virginianus* | | + | + | + | + | | + | + | | | | + | - | - | - | - | - | - | - | - | - | - | | - | - |
| *Rollulus rouloul* | | + | + | + | + | + | + | | | | | + | + | + | + | + | + | - | - | - | - | - | - | - | - |
| *Gallus gallus* | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - | + | + | - |
| *Gallus lafayettii* | | + | + | + | + | | + | + | | | | + | | + | + | + | + | + | + | - | - | - | + | + | - |
| *Coturnix japonica* | | + | + | + | + | + | | + | | | | + | + | + | + | + | + | | + | | - | - | - | - | - |
| *Afropavo congensis* | | + | + | + | + | + | + | | | | | + | | + | + | + | + | | + | + | - | - | - | - | |
| *Pavo cristatus* | | + | + | + | + | + | | + | | | | + | | + | + | + | + | | + | + | - | - | - | - | |
| *Pavo muticus* | | + | + | + | + | + | + | + | | | | + | + | + | + | + | + | | + | + | - | - | - | - | - |
| *Tragopan caboti* | | + | + | + | + | + | | + | | | | + | | + | + | + | + | | + | + | + | + | - | | |
| *Perdix perdix* | | + | + | + | + | + | + | + | | | | + | + | + | + | + | + | + | + | + | + | + | - | | - |
| *Chrysolophus amherstiae* | | + | + | + | + | + | + | + | | | | | | + | + | | + | + | + | + | + | | - | - | |
| *Chrysolophus pictus* | | + | + | + | + | + | + | + | | | | + | + | + | + | + | + | | | + | + | + | - | - | - |
| *Tetrao tetrix* | | + | + | + | + | + | + | + | | | | + | + | + | + | + | + | + | + | + | + | + | - | - | - |
| *Tympanuchus cupido* | | + | + | + | + | + | + | + | | | | + | + | + | + | + | + | | + | + | + | + | - | - | - |
| *Meleagris gallopavo* | | + | + | + | + | + | + | + | | | | + | + | + | + | + | + | + | + | + | + | + | - | - | - |

Table S2. Presence (+) and absence (-) patterns. 1a-10a correspond to the analyzed markers. Row 2 denotes the CR1 subtypes or LTR elements (in brackets) present in the (+) state. For empty cells no data was obtained.

## Table S3. Oligonucleotides used for PCR amplifications

| primer | (5’-3’) |
|---|---|
| 1a-F | TGCCCATCTTGATGATAATGAGAG |
| 1a-R | TCTCGCCTGCAATGTAAGTGAC |
| 2a-F (5b) | CATTCCAGTGTCTGATGAAGCAG |
| 2a-R (5b) | GTCAGAAGTAGCCACCATAGACAC |
| 2b-F (8a) | GGAGGGACCTGGCAGCAC |
| 2b-R (8a) | CAACACCGTGGACAGCATTG |
| 3a-F | AAAGTTCGCTACGTGAAGCTG |
| 3a-R | CTTCCTTGGTTTTCTCATCCAC |
| 3b-F | AAGGTGACCCAGGTATTGAAG |
| 3b-R | TTCTCACCTTTTCTCCTTTCAG |
| 3c-F | CCACCACAGGGAGCTTCAG |
| 3c-R | GGTTTCAACAAATCTCCTGGAC |
| 3d-F | CCTCACAGCGAGTAACCATGAC |
| 3d-R | GAACCAAGAAAATACATTGCTGC |
| 3e-F | GGCTTAATGATTTCATTCAGAAG |
| 3e-R | ATTTCCAAGATAGATTGAACTTCAG |
| 3f-F | CTCTAACAATGAGCGAGAAGCG |
| 3f-R | AGGTGATCCAGTTCCAGCATATC |
| 3g-F | GTGACAGGAGTCCAGGTGATCTG |
| 3g-R | GGAGCCACCACTGTGATGCAG |
| 3h-F | CACGTGGAGATGAAGCAGAAC |
| 3h-R | CTCCAGGTAGTTGTAGCCTTCATAG |
| 4a-F | CATCAGACACCTCCTGGGTCAT |
| 4a-R | GGCTGCTCAGCTTGCTGAC |
| 5a-F (10a) | ATACCGCCTGTTCACACTGCT |
| 5a-R | CGTACATTGCAAAGGATATCACAG |

| | |
|---|---|
| (10a) | |
| 5a-Fa (10a) | TCATAGATGAGCTGAAACAG |
| 5a-Ra (10a) | GAAATCATCGATTTGTGG |
| 5c-F | GAGTTGGAGTGGTGATCGAAGC |
| 5c-R | TTTTCTGTACCCCACGCATTAC |
| 5c-Fa | GTGATCGAAGCTACGTAAG |
| 5c-Ra | TTACCATACACATATGCCTAG |
| 5d-F | TGACACTGTTTTATGTACACATCAAC |
| 5d-R | TCCAGAATGAGAGAAGTAGCAGC |
| 5e-F | CCAGTAATCCAGGATCTCTGTCAC |
| 5e-R | GGACTATCCGTGACAAGTTTGC |
| 6a-F | CGTGTATTTCTGGTGCACAGC |
| 6a-R | ATGGTTTGCTGACAGCTATGC |
| 6a-Fa | GAGTAAAATGACATGATTGC |
| 6a-Ra | AGAAGCCATACGGATCTC |
| 6b-F | CTACAGTAACACTCAGCATGTCTGC |
| 6b-R | GTCCCATATCAGCAATCTTGTACTC |
| 7a-F | GCAGGCACAGTTGGTAAAG |
| 7a-R | TGATTCATTCGTCTCAGCTC |
| 7a-Fa | CTGACTCTGAATTGGTCTCAG |
| 7a-Ra | TATCCAAAGACCATGACCG |
| 7a-Fb | TCCAGAATTGCAGTAGCTG |
| 7a-Rb | AGCCTTCTGAGCCAATTG |
| 8b-F | CCGTGAGCGCAACAAGACG |
| 8b-R | CGGTGATGCCAGAGAACTTCTC |
| 9a-F | TGCATAATAAGTCATCTGAGCTTC |
| 9a-R | CGTCAAGCAGAGATTACCAGAC |
| 9b-F | TCTGGCTTCTTTTCTAATAGCAATG |
| 9b-R | TGCTGATTTTTGAAAACTTGATAGA |

Primer names correspond to markers in Table S2. (F) denotes forward primers, (R) denotes reverse primers.