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| Table S1. The List of primer pairs sequence for reverse transcription PCR | 　 |
| \*Primer/Gene (Accession. Nos) | Sequence (5` → 3`) | Tm (°C) | †Expected length (bp) |
|
| α | F : TACACTTTCCAGTTCCGCCA | 64 °C | 1427 bp |
| R : AGGTATCCACAGCCCCGA |
| E1S3 | F : TTTTCCCCCTCCTTTTCTGT | 58 °C | 799 bp |
| R : TGACCCCGTTTTTCCACCTC |
| E1S1 | F : AGGCTGGGGAGGAAAGATGG | 60 °C | 953 bp |
| R : GGTGGTAATGCTGGAGGGGA  |
| E1B1 | F : CAGACAGTTAGTGGAGGATGGAA | 60 °C | 899 bp |
| R : AAGGATGGGAACAAAGCAAGA |
| E1S2 | F : AACAGGTGGCGGAAGAGGAA | 64 °C | 840 bp |
| R : AAACAGGAGTGGGACAGGGG |
| E1S4 | F : AGTGGGTTTTCATTTTGGG | 60 °C | 1429 bp |
| R : GGGTCTTATCTGGTAGGCA |
| E1N1 | F : GGCATCCTACCATTTTTACCCTCT | 66 °C | 1512 bp |
| R : AAAGTCCCTTGTATCCTCCCTTG |
| E1N2 | F : GTCTCACACTCAATAACCGCCT | 66 °C | 1084 bp |
| R : TACTCTCAGCAGCCGTCCTAAA |
| E1A | F : AGAAGAAAGGGTGGGGGAAAAAC | 66 °C | 1649 bp |
| R : ACGGGAGGGGTCAGTAGAGCA |
| E1B | F : ATTCCCGTTCCCTTACTCGTTTT | 66 °C | 1676 bp |
| R : TCCCTTGTATCTTCCTTGGTTGG |
| E1C | F : ATTACCACAGAGGGGACAAGGG | 66 °C | 1426 bp |
| R : GCAAATCCAGTAGGACAGCAACA |
| E1D | F : TACAAGGGACTGTTGATGGGCTT | 63 °C | 1508 bp |
| R : TGAAAATAGAGTAGGAGGGAGGGG |
| E1E | F : CCCATCCCCATTCAACTTCC | 60 °C | 1355 bp |
| R : GCGACCTACACCACAGCCC |
| E1F | F : TTCCCACCTAACTCCCTTTTCCT | 66 °C | 1664 bp |
| R : ACAGTCCCAAATGCCCTCCC |
| E1G | F : GCCCTCTAACTTTTTACATTACCCC | 66 °C | 1706 bp |
| R : GCACAAGAACCCAGACAAATACATC |
| E1H | F : GCCTTGTCTTGGGACTGTTACTATG | 64 °C | 1455 bp |
| R : GTATGGGCTGCTGTTTGATGGA |
| E2 | F : CATCAAACAGCAGCCCATACTC | 63 °C | 1390 bp |
| R : ATCATTTCTAAGCCCTCACTTCAG |
| E2EL*\*\** | F : GGAGCATCAACCAGCCCC | 63 °C | 9538 bp (1868 bp) |
| R : GACACAGAAGCATACAAAGCACGA |
| ELB1 | F : TTTCGTGCTTTGTATGCTTCTGTG | 64 °C | 1014 bp |
| R : GAGTAAGGTGTTGCTGGCTGATG |
| ELS1 | F : GAAGCACCAAGACCAAGGGAA | 64 °C | 1535 bp |
| R : CCACAGGCACAACAACGAGG |
| ELB2 | F : TTCCTTCATTTCTTTCCTCTTACC | 60 °C | 1697 bp |
| R : AGTCTTTCATTCATCAGGCATTT |
| ELS2 | F : GTGAGGCAGGCATTATCTCTACAA | 60 °C | 980 bp |
| R : CCCATCTCGTCAATCAGGCA |
| ELB3 | F : CTTGCTCCTTTGCCTGATTG | 58 °C | 1071 bp |
| R : TTTCACTCCATTTCTTCTTACTGTTG |
| ELS3 | F : TGCCAGAGAGTCAGAAAGCCA | 58 °C | 1571 bp |
| R : GAAATGAGGGGGAACAAAGGAA |
| ELS4 | F : CAGAGAGGGTGGGATAGGAGGAAG | 58 °C | 860 bp |
| R : TGTTTCACATCAGTTCACAAGTCCA |
| β | F : CTCTTTCTTGAGGTGGGGGT | 64 °C | 860 bp |
| R : GCTCCTGCTTGGTAATGGG |
| *SRY*  (NM\_214452.3) | F : CTGGGATGCAAGTGGAAAAT | 62 °C | 250 bp |
| R : GGCTTTCTGTTCCTGAGCAC |
| *GAPDH\*\** (NM001206359) | F : GGTCGGAGTGAACGGATTTG  | 62 °C | 276 bp (174 bp) |
| R : GCCGTGGGTGGAATCATACT  |
| \*Primers were designed to result from BLAST analysis and the homologue region in sus scrofa 10.2 scafford sequence was used (GenBank acc. no. NW\_003612825.1) except *SRY* and *GAPDH*.*\*\**The primer sets were designed to span intron  |
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| †The length in parenthesis represent the size of cDNA PCR amplicons |  |  |