**Supplemental Table 1: List of RT-qPCR primers**

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| --- | --- | --- | --- |
| **Target** | **Ensembl-IDII** | **Primer sequences (5´ to 3´)** | **Reference** |
| FOXP3 | ENSSSCG00000012300 | GAA ACA GCA CGT TCC CAG ATGAA CAT GCG TGT GAA CCA GT | This study |
| GATA3 | ENSSSCG00000011125 | ACC TAC CCG CCC TAC GTCGGT CGA TTC TGT CCG TTC AT | This study |
| IFNƴ | ENSSSCG00000000481 | GGC CAT TCA AAG GAG CAT GGA TGTTGC TCT CTG GCC TTG GAA CAT AGT | This study |
| IL12b | ENSSSCT00000018557.3 | CAG AGT GGA GTG TCA GGA GGTCA GCT GCA GAT TCT TGG GA | This study |
| PKCtheta | ENSSSCG00000011131 | GGT GCA CCT ACT TCA AGC TCCTC CCT CCA GAG CTT TGA GT | This study |
| RPL19 | ENSSSCT00000019062 | AACTCCCGTCAGCAGATCCAGTACCCTTCCGCTTACCG | Meurens et al. (2009) |
| TBET | ENSSSCG00000017517 | AAT CAG CAC CAA ACC GAG ATAAT CTG GGT GGA CGT ACA GG | This study |
| TBP-1 | ENSSSCT00h000029370 | AACAGTTCAGTAGTTATGAGCCAGAAGATGTTCTCAAACGCTTCG | Meurens et al. (2009) |
| ZIP4‑003 | ENSSSCT00000033246 | ACTAGCGCCCAGTGATCTCCGCGAAGTCCCCCAGCTC | This study |
| ZIP4-004 | ENSSSCT00000032816 | AGGGCCAGGCGGATGGCGAAGTCCCCCAGCTC | This study |
| ZIP4‑201 and ZIP4‑001I | ENSSSCT00000006485ENSSSCT00000035628 | ACGTCATCCAGACCTTCCTGTTTGGGTCCTCTGGGTCTG | This study |
| ZnT1 | ENSSSCT00000024989 | CCAGGGGAGCAGGGAACCGATCAGCCCGTTGGAGTTGCTGC | Martin et al. (2013) |
| ZnT2 | ENSSSCT00000025811 | GACAGCGCCAGCCAGCATCAGGCAGCCACCAAAACGCCCA | Martin et al. (2013) |
| ZnT5 | ENSSSCT00000029407 | ACCAGTCTCAGTTGGAGGGCTGATCCATGGGTATGGGTGTGGGCA | Martin et al. (2013) |

ITranscripts ZIP4‑201 and Zip4‑001 both include all 12 exons of the *ZIP4* gene but they differ in their TSS; the given primer pair amplifies both transcripts and does not discriminate them.

IIGenome assembly: Sscrofa10.2 (GCA\_000003025.4).