**Effects of spermine** **on** **the antioxidant status and gene expression of antioxidant-related signalling molecules** **in the liver and longissimus dorsi of piglets**

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**Table S1** *Primers sequences of target genes selected for analysis by real-time PCR*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Genes | Primers | Sequences (5’-3’) | Size (bp) | Tm (℃) | Accession no. |
| SOD1 | Forward | GATCAAGAGAGGCACGTTGGA | 62 | 58 | AF396674.1 |
|  | Reverse | GTGGCCACACCATCTTTGC |  |  |  |
| CAT | Forward | GGACGTGCAGCGCTTCA | 52 | 58 | NM\_214 |
|  | Forward | CCGCACCTGGGTGACATTA |  |  |  |
| GPX1 | Forward | GGCGGCGGGTTCGA | 55 | 58 | NM\_214201.1 |
|  | Reverse | CGCCATTCACCTCACACTTCT |  |  |  |
| GST | Forward | TCCCCACGGTGAAGAAGTTT | 57 | 58 | Z69586.1 |
|  | Reverse | CGTCAGTGGGAGGCTTCCT |  |  |  |
| GR | Forward | CAGTAGAGGTCAACGGGAAGAAGT | 59 | 58 | AY368271.1 |
|  | Reverse | GCCGCCTGTGGCAATC |  |  |  |
| Nrf2 | Forward | GCCCCTGGAAGCGTTAAAC | 67 | 58 | XM\_003133500.5 |
|  | Reverse | GGACTGTATCCCCAGAAGGTTGT |  |  |  |
| Keap-1 | Forward | ACGACGTGGAGACAGAAACGT | 56 | 58 | NM\_001114671.1 |
|  | Reverse | GCTTCGCCGATGCTTCA |  |  |  |
| mTOR | Forward | CAGGCATACGGTCGAGACTTAA | 56 | 58 | XM\_013998977.1 |
|  | Reverse | CGCCTGAACACGTGGTAATAGA |  |  |  |
| S6K1 | Forward | CCCTGCACTCGGTGGTACA | 116 | 58 | NM\_001243214.1 |
|  | Reverse | CCACGTAGCCATCACTAAAAACC |  |  |  |
| 4EBP1 | Forward | GGCGGGCGGTGAAGAG | 58 | 58 | NM\_001244225.1 |
|  | Reverse | GATCCCATGGCTGGTCCTTT |  |  |  |