**Table S1. The qPCR primer sequences were used in the present study.**

|  |  |  |
| --- | --- | --- |
| **Gene Name**  | **Primers** | **Accession number** |
|  **Forward** **Reverse** |
| *AR* | CAGTGGATGGGCTGAAAAAT | GGAGCTTGGTGAGCTGGTAG | XM\_018043830.1 |
| *LHR* | GAAAGCACAGCAAGGAGACC | CAGTCACATTTCCCGTGATG | NM\_001314279.1 |
| *FSHR* | GCAATTCTTTCATGGGGCTA | GAACGGATCCTGGTTCTTGA | NM\_001285636.1 |
| *StAR* | TACTAAAGGAGCCGTGGATAAAG | CTACAAGTGGTAATGGTTGGGTT | XM\_013975437.2 |
| *3β-HSD* | CTATGTTGGCAATGTGGC | ATCTCGCTGAGCTTTCTTAT | XM\_013962472.2 |
| *TSPO* | ACCCAGTACATCCGTGGAGA  | CCAGATGCGGTAGTTGAGCA | XM\_018048872.1 |
| *INSL3* | GGCTGGAAGGACAACATCTC | GACAGAGGGTCAGCAGGTCT | NM\_001285579.1 |
| *CYP17a1* | GCTCTTGGGTGTCTTTCTGC | GATGGGGCCATATTTTTCCT | NM\_001314145.1 |
| *17β-HSD* | TCAGCTTCCAAGGCTTTTGT | CCACAGGTTTCGTCTCCAAT | XM\_005684148.2 |
| *PGP9.5* | TGCTGAACAAAGTGCTGACC | GTTCCACAGGAGTTGCCAAT | XM\_005681551.3 |
| *DDX4* | ATTTGCCTCTGGGAGGAGTT | AACCCTCTGTTCCGTGTTTG | XM\_005694694.3 |
| *c-Kit* | GGATCACCGAGAAAGCAGAG | GCCACAAACGTCAAATCCTT | NM\_001285724.1 |
| *SCP1* | CCCTGGAACTCAGGAAACAA | TGCTTCGAGCATTTTCTTCA | XM\_018045949.1 |
| *SCP3* | GCTGGAAAGATTTGGAGCTG | ATCCCACTGCTGGAACAAAG | XM\_018048175.1 |
| *AMH* | CGTGAGCTGAGCGTAGACCT | GAGGAGCTTGCCTGTGTAGG | XM\_018050765.1 |
| *SOX9* | CTCAAGGGCTACGACTGGAC | CTCTCGTTCAGCAGTCTCCA | XM\_018063905.1 |
| *β-actin* | CTGAGCGCAAGTACTCCGTGT | GCATTTGCGGTGGACGAT | NM\_001314342.1 |