Table S1 The sequences of primers and gene accession number used in RT-qPCR.

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| Gene | Primer sequence | Gene accession number |
| *GnIH* | Fw: TTGGGAAGTCAGTGCCCATC  Rs: CACGGTGCATCTTTTCTGGG | XM\_015853673.2 |
| *GPR147* | Fw: CACGAGATACATGCAGGCGA  Rs: GTTTGTCAAGCCCACCACAC | NM\_022146.5 |
| *Cdc42* | Fw: GCAATATTGGCTGCCCTGGA  Rs: CAAAAAGGGCTCTGGAAAGGC | FJ358601.1 |
| *Ccnd1* | Fw: CAGACCTTCGTTGCCCTCTG  Rs: CGGGTCACATCTGATCACCTT | KY420723.1 |
| *Pcna* | Fw: GACATCAGCTCAAGTGGCGT  Rs: GTCTTCATTGCCAGCACATTTT | NM\_001034494.1 |
| *Caspase-3* | Fw: AGAAGATACCGGTGGAGGCT  Rs: GTGGAAAGTGGAGTCCAGGG | NM\_009810.3 |
| *Bax* | Fw: GACTCTCCCCGAGAGGTCTT  Rs: GTCCAATGTCCAGCCCATGA | XM\_005895371.1 |
| *Bcl-2* | Fw: CCTGTGGATGACCGAGTACC  Rs: CAGACTGAGCAGTGCCTTCA | MK050976.1 |
| *LHR* | Fw: CGTTGGAGAAACACAGTGCG  Rs: TCCATGAGCAGCAAGTCGTT | NM\_137366.4 |
| *StAR* | Fw:AGCTCATACTAAAGGAGCCGTG  Rs: AAAGATTCCAGTAACATCCTAC | NM\_174189.3 |
| *3β-HSD* | Fw: CGGGTGCTAGACAAAGTCTTC  Rs: GTGTGGATGACCACTGAGGTG | XM\_027535608.1 |
| *Gapdh* | Fw: GGGTCATCATCTCTGCACCT  Rs: GGTCATAAGTCCCTCCACGA | XM\_027541122.1 |

Fw: forward, Rs: reverse.