**Table S1.** Primer sequences used for RT-qPCR analysis.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | sequence（5'-3'） | Length (bp) | Annealing℃ | Reference/accession numbers |
| *GAPDH*-F | GGGCGTGAACCATGAGAAGT | 230 | 60 | NM\_001206359.1 |
| *GAPDH*-R | AAGCAGGGATGATGTTCTGG |
| *BMP15*-F | CCCTCGGGTACTACACTATG | 192 | 60 | AF\_458070.2 |
| *BMP15*-R | GGCTGGGCAATCATATCC |
| *GDF9*-F | GAGCTCAGGACACTGTAAGCT | 272 | 60 | NM\_001001909.1 |
| *GDF9*-R | CTTCTCGTGGATGATGTTCTG |
| *MOS*-F | TGGGAAGAAACTGGAGGACA | 121 | 60 | NM\_001113219.1 |
| *MOS*-R | TTCGGGTCAGCCCAGTTCA |
| *CDK2*-F | AAACAAGTTGACGGGAGA | 298 | 60 | XM\_001928965 |
| *CDK2*-R | GTGAGAATGGCAGAAAGC |
| *CAT*-F | ACACACCTGAAGGATCCGGA | 150 | 60 | NM\_214301.2 |
| *CAT*-R | AACCAGCTTGAAAGTGTGCG |
| *SOD2*-F | TCAAGAGAGGCACGTTGGAG | 157 | 60 | NM\_001190422.1 |
| *SOD2*-R | TCTGCCCAAGTCATCTGGTT |
| *CASPASE3-*F | TTTGCGTGCTTCTAAGCCAT | 147 | 60 | NM\_214131.1 |
| *CASPASE3-*R | GGCAGGCCTGAATTATGAAA |
| *BCL2-*F | GAACTGGGGGAGGATTGTGG | 164 | 60 | XM\_003121700.3 |
| *BCL2-*R | CATCCCAGCCTCCGTTATCC |

**F, forward; R, reverse.**

**Table S2.** List of antibodies used in this study.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Antibody | Catalog Code | Source | Host | Dilution | |
| IF | WB |
| LC3B-1 | ab48394 | Abcam | Rabbit | 1:200 |  |
| LC3B-2 | 3868S | Cell Signaling Technology | Rabbit |  | 1:1000 |
| α-Tubulin | ab64503 | Abcam | Rabbit | 1:200 |  |
| p62 | Ab109012 | Abcam | Rabbit |  | 1:1000 |
| Cleaved Caspase3 | 9664S | Cell Signaling Technology | Rabbit |  | 1:1000 |
| Cleaved Caspase9 | AF5240 | Affinity | Rabbit |  | 1:1000 |
| BAX | T40051S | Abmart | Rabbit |  | 1:1000 |
| BCL2 | T40056S | Abmart | Rabbit |  | 1:1000 |
| Goat Anti-Rabbit IgG | Ab6721 | Abcam | Goat |  | 1:5000 |
| GAPDH | ab9485 | Abcam | Rabbit |  | 1:1000 |