Supplementary table 1 **The sequences of real-time PCR Primers**

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| Gene name | primer sequence | Amplified fragment size |
| LC3A | F:TTCGCCGACCGCTGTAA | 286bp |
|  | R:ATCCGTCTTCATCCTTCTCCT |  |
| Beclin-1 | F:AGTGGCGGCTCCTATTC | 108bp |
|  | R:GGACACCCAAGCAAGAC |  |
| Bcl-2 | F:CACGGTGGTGGAGGAAC | 254bp |
|  | R:ACAGCCAGGAGAAATCAAA |  |
| Bax | F:CAAACTGGTGCTCAAGGC | 146bp |
|  | R:TCCCGAAGTAGGAAAGG |  |
| Β-actin | F:CACGATGGAGGGGCCGGACTCATC | 252bp |
|  | R:TAAAGACCTCTATGCCAACACAGT |  |