**Supplement Table 1** Primers for RT-qPCR analysis in *Pelodiscus sinensis*.

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| **Gene name** | **Sense primer (5'-3')** | **Antisense primer (5'-3')** |
| *MFN1* |  GCCGATGTCTTTGTTTTGGT |  GAGCTCGTCAACAAGGAAGG |
| *MFN2* |  CAGAGGGTTTATTGCCTGGA |  TGGATGGAAATCCATTTGGT |
| *OPA1* |  GTGGACATCAAGCTGAAGCA |  TCTTCCAAAGCATTGTGCTG |
| *DRP1* | TGGCTAAATGCAGACAATGG | ATCTGACCCCTTCCACCTCT |
| *FIS1* | GAGTACGCTTGGTGCCTTGT | GGCTCTGTTTTCAGCAGTCC |
| *MAP1LC3B* | GATGTGCGACTGATTCGAGA |  ATAGGGGTTGACACGCTCAC |
| *SQSTM1* |  GGTGCTAGAGCCTCCTTCCT | GGGGAACCTGATATGGGTCT |
| *β-actin* | AGACCCGACAGACTACCTCA | CACCTGACCATCAGGCAACT |