### primers

| gene     | Forward primer label | forward primer sequence | primer length |
|----------|----------------------|-------------------------|---------------|
| ATG4A    | Forward              | TGCTGGTTGGGGATGTATGC     | 20            |
|          | Reverse              | GCGTTGGTATTCTTTTGTTTG    | 22            |
| ATG10    | Forward              | AGACCATCAAAGGACTTCTGA    | 23            |
|          | Reverse              | GGGTAGATGCTCTAGATGTGAC   | 23            |
| MED7     | Forward              | ATCCGCCCTTTTGGAAGTCAG    | 21            |
|          | Reverse              | TGGTGAGGTCGATATTCCATT    | 21            |
| MED11    | Forward              | TGGCGAACAGGAGAAGATACG    | 19            |
|          | Reverse              | ACAGTACCTGACTGTAAGGAT    | 23            |
| TOMM7    | Forward              | CATTCTGCTGGGTCTTATCC     | 20            |
|          | Reverse              | TCTGCAACCCTTATAATCC      | 21            |
| ATP5H    | Forward              | GCTGGGCAGAAAATTTGCTCTA   | 21            |
|          | Reverse              | CCAGTCGATAGCTGGATGATT    | 21            |
| MPRL27   | Forward              | CGGACAGCCGTTACACCTGTT    | 21            |
|          | Reverse              | CTACCACCAGACCTTTGGA      | 20            |
| IFT20    | Forward              | AGCAAGCCATAGAGCTGAGG     | 21            |
|          | Reverse              | AGCACCAGATGGCTGTAGT      | 19            |
| TCTN1    | Forward              | TGTTGATTCGTTACATCAG      | 22            |
|          | Reverse              | GCAAAGGCTAAAGTGTCAGC     | 21            |
| B9D1     | Forward              | TGGAGGAGGGGTCTCTCAG      | 20            |
|          | Reverse              | CGTGAGGTTTGCTTCTT       | 20            |
| human b-actin | Forward           | AAGGTTGACAGCAGTCGTTTT  | 19            |
|          | Reverse              | TGTGTGGACTTGGGAGAGG      | 19            |
| DLGAP1-AS1 | Reverse           | GGGGCAGAGTAAAGTGACC     | 20            |

### siRNAs

| gene     | siRNA   | siRNA sequence |
|----------|---------|----------------|
| ATG4A    | siRNA-1 | CAGATACAGATGAGCTGGTGATGGAT |
|          | siRNA-2 | CATCCTAACCTGGATCCCTCAGTT  |
| DLGAP1-AS1 | siRNA-1 | GGGTAGAGAAGAGACTTCCTGGAGA |
|          | siRNA-2 | CATGATCTAGCAGGCAAAATCGCCTA |
| NC       | siRNA-1 | UUCUCCGAACGUUGACACGUTT    |

**Table S1.** The sequence of the primers and siRNAs used in this study.