**Supplementary material**

**Table 1.** Primer sequences for ANGPTL4 gene cloning, qPCR analysis and promoter cloning.

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| --- | --- | --- |
| **Primer** | **Sequences (5’-3’)** | **Primer Information** |
| *angptl4*-CDS-F | ATGAAGACAACACTGGCAACCGTGACTCTC | CDS cloning |
| *angptl4*-CDS-R | TTATGACTTGTTTTCCACCTCAGCGGGGGCG | CDS cloning |
| *angptl4*-RT-F | GAAGGAGCATGTGGACAAA | RT-qPCR |
| *angptl4*-RT-R | CTCCCTCAACTCGGCTGT | RT-qPCR |
| Angptl4-pro-F | GGCATGAGTCATCCAACAGCTACACTATG | ANGPTL4 promoter |
| Angptl4-pro-R | TGCTGTCGTTGCCTCGAACTGTTGAAATG | ANGPTL4 promoter |
| *ppara*-RT-F | GTCAAGCAGATCCACGAAGCC | RT-qPCR |
| *ppara*-RT-R | TGGTCTTTCCAGTGAGTATGAGCC | RT-qPCR |
| *pparb*-RT-F | GGAGTTGAAGGCGAGGGAAAG | RT-qPCR |
| *pparb*-RT-R | ACGGCGACGAGGTTTGTGAC | RT-qPCR |
| *pparg*-RT-F | TGTCCGAGCTGGAAGACAAC | RT-qPCR |
| *pparg*-RT-R | TGGGGTCATAGGGCATACCA | RT-qPCR |
| *actin*-RT-F | ATCAGGGAGTGATGGTTGGGATG | RT-qPCR |
| *actin*-RT-R | CTCGTAGATGGGTACTGTGTGGG | RT-qPCR |

**Figure**



**Fig. 1.** Nucleotide and deduced amino acids sequences of the ANGPTL4 in large yellow croaker