

**Table S2. Primers used in this study**

Desination	DNA Sequence
ATG8PromFw-EcoRI	5'-GGAATTCGGATCTAAGGTTACCGCTTTCGAC-3'
ATG8TFRv-XhoI	5'-CCGCTCGAGTTAAAACGTGTTTTCTCCGCTGTAAAG-3'
ATG8I32AFw	5'-GCGGACCGTATCCCCGTGGCTTGTGAGAAAGTGGAGAAG-3'
ATG8I32ARv	5'-CTTCTCCACTTTCTCACAAGCCACGGGGATACGGTCCGC-3'
ATG8K48AFw	5'-CCAGAGGTAGATAAGCGGGCTTACCTGGTTCCATGCGACC-3'
ATG8K48ARv	5'-GGTCGCATGGAACCAGGTAAGCCCGCTTATCTACCTCTGG-3'
ATG8L50AFw	5'-GGTAGATAAGCGGAAGTACGCTGTTCCATGCGACCTAACTG-3'
ATG8L50ARv	5'-CAGTTAGGTCGCATGGAACAGCGTACTTCCGCTTATCTACC-3'
ATG8V61AFw	5'-CTAACTGTGGGCCAGTTTGTGGCTGTTATCCGAAAGAGAATTAAG-3'
ATG8V61ARv	5'-CTTAATTCTCTTTCCGATAACAGCCACAAACTGGCCCACAGTTAGGA-3'
ATG8R65AFw	5'-GGGCCAGTTTGTGTACGTTATCGCTAAGAGAATTAAGATCCCATCTG-3'
ATG8R65ARv	5'-CAGATGGGATCTTAATTCTCTTAGCGATAACGTACACAAACTGGCCC-3'
ATG8F104AFw	5'-AGAACATAAAGATGAGGACGGGGCTTGTACGTTCTTTACAGCGGAG-3'
ATG8F104ARv	5'-CTCCGCTGTAAAGAACGTACAAAGCCCCGTCCTCATCTTTATGTTCT-3'
ATG8Y106AFw	5'-GATGAGGACGGGTTTTTGGCTGTTCTTTACAGCGGAGAAAAC-3'
ATG8Y106ARv	5'-GTTTTCTCCGCTGTAAAGAACAGCCAAAACCCGTCCTCATC-3'
HAFw-EcoRI	5'-GGAATTCATGTCTAGATCTATCTTTTACCCATAC-3'
ATG8FGRv-XhoI	5'-CCGCTCGAGTTATCCAAACGTGTTTTCTCCGCTGTA-3'
ATG8A9Rv-XhoI	5'-CCGCTCGAGTTAAGCAGCAGCAGCAGCAGCAGCAGCTCCAAACGTGTTTTCTCCGCTGTA-3'
CFPFw-PstI	5'-AACTGCAGATGGTGAGCAAGGGCGAGGAGC-3'
CFPRv-PstI	5'-AACTGCAGCTTGTACAGCTCGTCCATGCC-3'
YFPFw-HindIII	5'-CCCAAGCTTGTGAGCAAGGGCGAGGAG-3'
YFPRv-HindIII	5'-CCCAAGCTTTTACTTGTACAGCTCGTCCAT-3'
ATG17UPFw-BamHI	5'-CGGGATCCTCATGTAGACCTACAGAGGCCATG-3'
ATG17Rv-XhoI	5'-CCGCTCGAGCTTCTTCCAGTATTGCAATGCGT-3'