**Table S1.** Primers for amplification and sequencing of fragments of the mitochondrial genome of *Pangasius mekongensis, Pangasianodon hypophthalmus*, and *Pangasius krempfi* of the Mekong River, Vietnam

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Primer** | **Sequence (5’ to 3’)** | **Location** | **Primer** | **Sequence (5’ to 3’)** | **Location** |
|  | **Primers for Pangasiidae and catfishes** |  |  | **Primers for *Pangasianodon hypophthalmus*** |  |
| FIC3F | CAYATGGTYGAYCCAAGCCCATG  | *cox*3 | PHY1R | AGTTAAGCCCTCGTTCCACC  | *16S* |
| FIC3R | TGATATGCRTGTGCTTGGTGGG  | *cox*3 | PHY2F | GTATAGGAGGTCTTGCCTGCC  | *16S* |
| FIS16F | ATCTTCGGTTGGGGCGACC  | *16S* | PHY3R | TTTGGTCGTCGCCTAGAAGG  | *cox*1 |
| FIS16R | TGGCTGCTTTTAGGCCCACT  | *16S* | PHY4F | ACCATGCACAACACCTGAAC  | *cox*1 |
| FISTF | GCCGGTCTTGTAATCCGGAG  | *trn*T | PHY5R | GGCTACGGATGAGAAGGCAG  | *cyt*B |
| FISMR | TGGGGTATGGGCCCAAAAGC  | *trn*M | PHY6F | GCCCTAGTAGCAGACGTAGC  | *cyt*B |
| FISIF | GTGCCTGAATGCCCAAGGACC  | *trn*I | PHY7R | CTACTGTGGTTATTATGGGG  | *atp*6 |
| FPHEF | GCATAACACTGAAGATGTTAAGATG | *trn*F | PHY8F | ATCTCCTGCCAGAAGGAAC  | *atp*6 |
| FI12F | TGCCAGCCACCGCGGTTATACG  | *12S* | PHY9R | GTTTAGCTCAGGGCGATCC  | *trn*V |
| FI12R | GCACCTTCCGGTACACTTACCATG  | *12S* | PHY10F | GTCCTAGGCTACATACAACTAC  | *trn*L2 |
| FIN5F | AAAAAAATYGTAGCATTCTCAACATCAAG | *nad*5 | PHY11R | GATCAGCTTATTGCTAGTG  | *nad*2 |
| FIN5R | AGTTGRCTTGATGTTGAGAATGCTAC | *nad*5 | PHY13F | CTGCGACCCTCTTATGACACC  | *nad*4L |
| PAN16F | AGCCCCGAAACTAAGTGAGC  | *16S* | PHY14R | GGTTAAGTTTTGGGATGAGAC  | *nad*5 |
| PAN16R | ATAGCGGCTGCACCATTAGG  | *16S* | PHY15F | GCAGGATCAATAGTACTAGC  | *nad*4 |
| FIC1F | GGTGCCTGAGCMGGRATAGTYGG  | *cox*1 | PHY16R | GGAAGATTTGTGGAATCTCTC  | *nad*5 |
| FIC1R | CCRACTATYCCMGCTCAGGCACC  | *cox*1 |  | **Primers for *Pangasius krempfi*** |  |
|  | **Primers for *Pangasius mekongensis*** |  | PKRE1F | AGTTGGTACAGCCCTTAGCC  | *cox*1 |
| PME1F | TTTTGACTACTCCCGCCCTC  | *cox*1 | PKRE2R | GCTATGTCTGGCGCTCCAAT  | *cox*1 |
| PME2R | GACACCCCTGCCAAATGAAG  | *cox*1 | PKRE3F | TCCGCCCCCTTTCTCAATTC  | *cyt*B |
| PME3F | CCCGCCCCATCCAATATCTC  | *cyt*B | PKRE3R | TGTGGCTAAGCTACTAGGGC  | *trn*T |
| PME4R  | CGTTGGCATGTAAGTTGCGG  | *cyt*B | PKRE4R | CAGTACGTACCCGACGAAGG  | *cyt*B |
| PME5R  | GGGGGTTTGTGCTATTTGGC  | D-loop | PKRE5F | TAAAGCTCCCATGCGGACTG  | *12S* |
| PME6F  | GGCATCTGGTTCCTATTTCAGG  | D-loop | PKRE6R | CGGGCCCATTTTGCTTACTG  | *16S* |
| PME7R  | GTTTCAGAGGGGCTGTACCC  | *16S* | PKRE7F | ACAGGGGGTTTCACCCTACA  | *nad*1 |
| PME8F  | AAAGATCCGGCCTAACTCGC  | *16S* | PKRE8R | GTGGGATAGAGTCCTGCAAGT  | *trn*A |
| PME9R  | GCAAGTCTTATACAGGGACTAGG  | *trn*W | PKRE8F | ATGGAGCTACAATCCACCGC  | *trn*Y |
| PME10F  | TGCGACCCAAGAAGCAATCT  | *nad*1 | PKRE9R | CCTGCGCTTAATCGTTTAGCC  | *nad*4 |
| PME11F  | CACAATGCATGACACCTGAAC  | *cox*1  | PKRE10R | AAAAATGCGGTGCTTACGGC  | *nad*5 |
| PME12R  | AGCGCAAGGGGTCGAATAAA  | *atp*6 | PKRE11F | CAGCCCTACTCCACTCAAGC  | *nad*5 |
| PME13R  | GGGTCAGGAGCAGGGTAGTA  | *nad*5 | PKRE13R | CATCCGTAATTTACGTCTCGGC  | *cyt*B |
| PME14F  | CAGCCCTACTCCACTCAAGC  | *nad*5 | PKRE14F | TAGCCGCCACAGGAAAATCC  | *nad*5 |
| PME15R  | TTGCTGCTTTAGGGTTGGCT  | *nad*6 | PKRE15R | GAGCAGGGTAATTGTTGCGG  | *atp*6 |
|  |  |  | PKRE16F | AAGCCCCCTTCACTATTGCC  | *cox*3 |
|  |  |  | PKRE17F | TTCCAACCGGGGGTTAAAGTA  | *cox*1 |