**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 |