

## Supplementary Materials

**Table 1.** List of primers used to amplify different regions of the complete mitochondrial genome of *Labeo rohita*.

Primer name	Sequence	Primer name	Sequence
LCA1-F	5'- GAG GGT CAA CCC ACC CTA T -3'	LCA13-F	5'-CTG TTC CAT CCC TTG GCG TA-3'
LCA1-R	5'- TGG CTT GGT ACG TTC TTG GG -3'	LCA13-R	5'-TGG AAT GGG TGT TCC TTC TGG-3'
LCA2-F	5'- CCC AAG AAC GTA CCA AGC CA -3'	LCA14-F	5'-ACC GTA TAC CTT CAC ACC CA-3'
LCA2-R	5'- TCA CAG GGT AAG CTG ACG AC -3'	LCA14-R	5'-GGA GTG GTA CTT CGA AGG GAT-3'
LCA3-F	5'- CCC CGT TAA ACC TCA CCA CT -3'	LCA15-F	5'-AGC CTT CTA CCA CTC AAG CC-3'
LCA3-R	5'- TCA CCA GGT TCG GTA GGT CT -3'	LCA15-R	5'-AAG AAT GTT CCG GTG GGG TT-3'
LCA4-F	5'- ACA GCC TAT TAA GGG CCA ACC -3'	LCA16-F	5'-GAA TGC GGG TTT GAT CCA CT-3'
LCA4-R	5'- AAG CTC CAA AGG GTC TTC TCG -3'	LCA16-R	5'-TAT GGT TTT GGC TGG CTA GG-3'
LCA5-F	5'- GCG GTA TTT TGA CCG TGC A -3'	LCA17-F	5'-CTT AAT TGC CTC CAT CAG CCT-3'
LCA5-R	5'- AGA GAA CGG GCA CGA TG -3'	LCA17-R	5'-TGG GGT TTG AAT TAG GAT TCC TC-3'
LCA6-F	5'- ATA CTG GGG TGG CAG AGC A -3'	LCA18-F	5'-CGG ATC AAT TTG CCT CCG A-3'
LCA6-R	5'- AAA TAG GAC GGC TGA GAG GGT -3'	LCA18-R	5'-TAA TGT GGT GAG TAG GGG GTA-3'
LCA7-F	5'- GCA CCA TTC GAC TTA ACA GAA GG -3'	LCA19-F	5'- TGG TTA AAA TCC GTG GCT TCC -3'
LCA7-R	5'- TCA GGG GTT TGT TGT GCT TG -3'	LCA19-R	5'- GTA GGG CGG ATA CTG GTG T -3'
LCA8-F	5'- TTT GGA TTC GTC AGG GAG TGG -3'	LCA20-F	5'- CAA CAA ATC TTT GCC CTG TC -3'
LCA8-R	5'- ATC AAC ACC CTA GCA ATT ACC C -3'	LCA20-R	5'- TTG GTG TTT TTA TTG GTA GGA AG -3'
LCA9-F	5'-AAT CAC CGC AAC AAT CAT GGC-3'	LCA21-F	5'- ACC CCA CGA TTC CTA CCA C -3'
LCA9-R	5'-AAG TCA GTT TCC AAA TCC TCC A-3'	LCA21-R	5'- CTT TGG CTG CTG AGC CTT -3'
LCA10-F	5'-CGG AAT AGT AGG AAC CGC CTT-3'	LCA22-F	5'- ACC CTC ATA TCA ACC TCC TCA -3'
LCA10-R	5'-ATG CTC GAG TGT CTA CGT CT-3'	LCA22-R	5'- GTC CTC ATG GAA GGA CGT AG -3'
LCA11-F	5'-CGT TCG GTT ACA TAG GAA TGG TC-3'	LCA23-F	5'- GCA ACA TAC ACG CCA ACG G -3'
LCA11-R	5'-GTG GTT ATG TGG CTG GCT TG-3'	LCA23-R	5'- TGA GGT GTG TAG GAG GGG TA -3'
LCA12-F	5'-CTG CCC TCC TCC TTA TCA CAC-3'	LCA24-F	5'- CCC TTA GTA ACC CCA CCA CAC -3'
LCA12-R	5'-AAG CTG TGA TTA GCT CCA CA-3'	LCA24-R	5'- CCC CAC AAT TAT TGC CCC TGA -3'