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Puntius chalakkudiensis mitochondrion, complete genome

NCBI Reference Sequence: NC_018566.1

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LOCUS NC_018566 16989 bp DNA circular VRT 17-SEP-2012
 DEFINITION Puntius chalakkudiensis mitochondrion, complete genome.
 ACCESSION NC_018566
 VERSION NC_018566.1
 DBLINK Project: [174507](#)
 BioProject: [PRJNA174507](#)
 KEYWORDS RefSeq.
 SOURCE mitochondrion Sahyadria chalakkudiensis (chalak barb)
 ORGANISM [Sahyadria chalakkudiensis](#)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
 Cypriniformes; Cyprinidae; Sahyadria.
 REFERENCE 1 (bases 1 to 16989)
 AUTHORS Joseph,T.C., Lalitha,K.V., Baby,A., Gopalakrishnan,A., Antony,T.P.,
 Basheer,V.S., Sajeela,K.A. and Jena,J.K.
 TITLE The complete mitochondrial genome of Puntius chalakkudiensis
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 16989)
 CONSRTM NCBI Genome Project
 TITLE Direct Submission
 JOURNAL Submitted (06-SEP-2012) National Center for Biotechnology
 Information, NIH, Bethesda, MD 20894, USA
 REFERENCE 3 (bases 1 to 16989)
 AUTHORS Joseph,T.C., Lalitha,K.V., Baby,A., Gopalakrishnan,A., Antony,T.P.,
 Basheer,V.S., Sajeela,K.A. and Jena,J.K.
 TITLE Direct Submission
 JOURNAL Submitted (13-JUL-2012) Central Institute of Fisheries Technology &
 National Bureau of Fish Genetic Resources, Cochin, Kerala, India
 COMMENT REVIEWED [REFSEQ](#): This record has been curated by NCBI staff. The
 reference sequence is identical to [JX311437](#).

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##Assembly-Data-START##
Assembly Method      :: Vector NTI Advance v. 11
Sequencing Technology :: Sanger dideoxy sequencing
##Assembly-Data-END##
COMPLETENESS: full length.
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 STFAGGWGGLNQTQLRKILAYSSVTHMGWMIIVIQYAPQLTLIALGVYIVTTSATFLT
 MKTLKSTKINTLTTVWPKNPPLTSMALTLTSLGGLPPLTGFIKWLILQELTKQDMA
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AINFITTIINMKPPTTSQYQTPLFVWSVLVAVLLLLLSLPVLAAGITMLLTDRNLNTT
FFDPAGGGDPILYQHLFWFFGHPEVYILILPGFGIISHVVAYYSKGKPEFGYMGMVWA
MMAIGLLGFIVWAHMFVGMVDVTRAYFTSATMIIAIPVGVKVFVSWLATLHGGSIKW
ETPMLWALGFIFLFTVGGLTGIILSNSSLDIVLHDTYYVVAHFHYVLSMGAVFAIMAA
FVHWFPLFTGYTLHNAWTKIHFGVMFIGVNLTFPPQHFLGLAGMPRRYSYDPDAYALW
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FENWSSLMLLEDA"
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HKTESWDWPW"
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/gene="ATP6"
/db_xref="GeneID:13543370"
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 MGFVAVPLWLATVIIGMRNQPTIALGHLLPEGTPIPLIPVLIIEETISLFIPLALGVR
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[gene](#) 8800..9584
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 QSLTTLTILLGLYFTALQAMEYYEAPFTIADGVYGSTFFVATGFHGLHVIIGSTFLAIC
 LLRQIQYHFTSEHHFGFEAAAWYWHFVDVVWLFYVSIYWWGS"
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[CDS](#) /db_xref="GeneID:[13543372](#)"
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KAHVEAPVAGSMVLA AVLKLGGMRRMMIMLDPPSKELAYPFIIILALWGIIMTGS I
CLRQTDLKS LIAYSSVSHMGLVAAGILIQTPWGFSGAIIILMIAHGLVSSALFCLANTM
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tRNA 11817..11884
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tRNA 11886..11958
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gene 11961..13781
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/db_xref="GeneID:13543376"
CDS complement (13778..14299)
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/codon_recognized="ACA"

tRNA

complement(15585..15655)

/product="tRNA-Pro"

/codon_recognized="CCA"

D-loop

15656..16582

ORIGIN

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