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Puntius denisonii mitochondrion, complete genome

NCBI Reference Sequence: NC_021973.1

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LOCUS NC_021973 16899 bp DNA circular VRT 06-AUG-2013

DEFINITION Puntius denisonii mitochondrion, complete genome.

ACCESSION NC_021973

VERSION NC_021973.1

DBLINK BioProject: [PRJNA214384](#)

KEYWORDS RefSeq.

SOURCE mitochondrion Sahyadria denisonii (Denison barb)

ORGANISM [Sahyadria denisonii](#)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
 Cypriniformes; Cyprinidae; Sahyadria.

REFERENCE 1 (bases 1 to 16899)

AUTHORS Gopalakrishnan,A., Joseph,T.C., Baby,A., Sajeela,K.A.,
 Lalitha,K.V., Antony,T.P., Basheer,V.S., Kumar,R.G. and Jena,J.K.

TITLE The complete mitochondrial genome of Puntius denisonii

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 16899)

CONSRM NCBI Genome Project

TITLE Direct Submission

JOURNAL Submitted (06-AUG-2013) National Center for Biotechnology
 Information, NIH, Bethesda, MD 20894, USA

REFERENCE 3 (bases 1 to 16899)

AUTHORS Gopalakrishnan,A., Joseph,T.C., Baby,A., Sajeela,K.A.,
 Lalitha,K.V., Antony,T.P., Basheer,V.S., Kumar,R.G. and Jena,J.K.

TITLE Direct Submission

JOURNAL Submitted (08-MAY-2013) Microbiology Fermentation and Biotechnology
 Division, Central Institute of Fisheries Technology & National
 Bureau of Fish Genetic Resources- Kochi unit, Cochin, Kerala, India

COMMENT PROVISIONAL [REFSEQ](#): This record has not yet been subject to final
 NCBI review. The reference sequence is identical to [KF019637](#).

##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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 /db_xref="GeneID:[16489348](#)"

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MMAIGLLGFIVWAHMHFTVGMVDVTRAYFTSATMIIAIPGVKVFVSWLATLHGGSIKW
ETPMLWALGFIFLFTVGGLTGIVLSNSSLDIVLHDTYYVVAHFHYVLSMGAVFAIMAA
FVHWFPLLTGYTLHNAWTKIHFGVMFIGVNLTFPPQHFLGLAGMPRRYSYDPDAYALW
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gene 7191..7881
/gene="COX2"
/db_xref="GeneID:[16489349](#)"

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HSWAVPSLGMKMDAVPGRLNQTAFIASRPGLFYGCSEICGANHSFMPIVVESVPLEH
FENWSSLMLEDA"

tRNA 7882..7957
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gene 7959..8123
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HKTEAWDWPW"

gene 8117..8800
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 MGFVAVPLWLATVIIGMRNQPTVALGHLLPEGTPIPLIPVLIIEIETISLFIIRPLALGVR
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gene 8800..9584
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 QSLALTILLGLYFTALQAMEYYEAPFTIADGVYGSTFFVATGFHGLHVIIGSSFLAVC
 LLRQIQYHFTSEHHFGFEAAAWYWHFVDVWVWFLYVSIYWWGS"

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gene 9658..10006
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tRNA 10007..10076
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gene 10077..10373
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 /db_xref="GeneID:[16489354](#)"

CDS 10077..10373
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 LLVALLLLQYSSGTLMLILQYSQPLQLNSWGHMIWWAGCLIAFLVKMPLYGVHLWLP
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 CLRQTDLKS LIAYSSVSHMGLVAGGILIQTPWGFSGAITLMIAHGLVSSALFCLGNTM
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tRNA 11818..11884
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tRNA 11887..11959
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gene 11962..13782
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 /db_xref="GeneID:[16489356](#)"

CDS 11962..13782
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 KDAIIEALNTSYLNSWALTTLIATSFTAVYSFRLVYFVIMGTPRFLPLSPINENDLL
 AINPIKRLAWGSI IAGLIITQSFPPMKTPIMTMPMIMKTAALAVTIIIGLLTAMELTNM
 TSKQVKITPMTKIHHSNMLGFFPMI IHRLLPKLKLTLGQTAATQLDKTTLKKNIGPKN
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 /db_xref="GeneID:[16489357](#)"

CDS complement (13779..14300)
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 /db_xref="GeneID:[16489357](#)"
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 LTRGLDRGTLRAV"

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gene 14375..15511
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 /db_xref="GeneID:[16489358](#)"

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/product="tRNA-Pro"
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D-loop 15654..16899

ORIGIN

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