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Entrez PubMed Nucleotide Protein Genome Structure PMC Taxonomy

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1: J01394[gi:336430] **This record was replaced or removed.** See [revision history](#) for details.

LOCUS BOVMT 16338 bp DNA circular MAM 11-APR-2001

DEFINITION Bos taurus mitochondrion, complete genome.

ACCESSION J01394

VERSION J01394.1 GI:336430

KEYWORDS .

SOURCE mitochondrion Bos taurus (cow)

ORGANISM [Bos taurus](#)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea; Bovidae; Bovinae; Bos.

REFERENCE 1 (bases 1 to 16338)

AUTHORS Anderson,S., de Bruijn,M.H., Coulson,A.R., Eperon,I.C., Sanger,F. and Young,I.G.

TITLE Complete sequence of bovine mitochondrial DNA. Conserved features of the mammalian mitochondrial genome

J. Mol. Biol. 156 (4), 683-717 (1982)

MEDLINE [83010260](#)

PUBMED [7120390](#)

REFERENCE 2 (bases 12708 to 12931)

AUTHORS Hauswirth,W.W. and Laipis,P.J.

TITLE Mitochondrial DNA polymorphism in a maternal lineage of Holstein cows

Proc. Natl. Acad. Sci. U.S.A. 79 (15), 4686-4690 (1982)

MEDLINE [83014954](#)

PUBMED [6289312](#)

COMMENT [WARNING] On Oct 22, 2003 this sequence was replaced by a newer version gi:[12800](#).

FEATURES

Location/Qualifiers

source

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/organelle="mitochondrion"

/mol_type="genomic DNA"

/strain="breed Holstein H15"

/db_xref="taxon:9913"

/tissue_type="heart; liver; brain"

[D-loop](#)

join(15792..16338,1..363)

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/product="tRNA-Phe"

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/anticodon=(pos:395..397,aa:Phe)

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431..1385

/gene="12S rRNA"

[rRNA](#)

431..1385

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[tRNA](#)

1386..1452

/product="tRNA-Val"

/note="codon recognized: GUA; NAR: 2099"

/anticodon=(pos:1416..1418,aa:Val)

[rRNA](#)

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[tRNA](#)

3024..3098

/product="tRNA-Leu"

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 FMANSTTTTSLSHTWNKTPIMTVLILATLLSMGGLPPLSGFMPKWMI IQEMTKNNSI
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 SLYLHDNT"

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QALFITITLGVYFTLLQASEYYEAPFTISDGVYGSTFFVATGFHGLHVIIGSTFLIVC
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 12038..12108

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ORIGIN

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