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 Show:
 1: NC_001941. Ovis aries mitoch...[gi:5835554]

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LOCUS NC_001941 16616 bp DNA circular MAM 23-SEP-2002
 DEFINITION *Ovis aries* mitochondrion, complete genome.
 ACCESSION NC_001941
 VERSION NC_001941.1 GI:5835554
 KEYWORDS .
 SOURCE mitochondrion *Ovis aries* (sheep)
 ORGANISM [Ovis aries](#)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea;
 Bovidae; Caprinae; *Ovis*.
 REFERENCE 1 (bases 1 to 16616)
 AUTHORS Hiendleder,S., Lewalski,H., Wassmuth,R. and Janke,A.
 TITLE The complete mitochondrial DNA sequence of the domestic sheep (*Ovis aries*) and comparison with the other major ovine haplotype
 JOURNAL J. Mol. Evol. 47 (4), 441-448 (1998)
 MEDLINE [98440761](#)
 PUBMED [9767689](#)
 REFERENCE 2 (bases 1 to 16616)
 AUTHORS Hiendleder,S.
 TITLE A low rate of replacement substitutions in two major *Ovis aries* mitochondrial genomes
 JOURNAL Anim. Genet. 29 (2), 116-122 (1998)
 MEDLINE [98364427](#)
 PUBMED [9699271](#)
 REFERENCE 3 (bases 1 to 16616)
 AUTHORS Hiendleder,S., Mainz,K., Plante,Y. and Lewalski,H.
 TITLE Analysis of mitochondrial DNA indicates that domestic sheep are derived from two different ancestral maternal sources: no evidence for contributions from urial and argali sheep
 JOURNAL J. Hered. 89 (2), 113-120 (1998)
 MEDLINE [98203262](#)
 PUBMED [9542158](#)
 REFERENCE 4 (bases 1 to 16616)
 AUTHORS Hiendleder,S., Wassmuth,R. and Lewalski,H.
 TITLE Direct Submission
 JOURNAL Submitted (19-AUG-1998) Animal Breeding and Genetics, Justus-Liebig-University, Ludwigstr. 21B, Giessen 35390, Germany
 REMARK Sequence update by submitter
 REFERENCE 5 (bases 1 to 16616)
 AUTHORS Hiendleder,S., Wassmuth,R. and Lewalski,H.
 TITLE Direct Submission
 JOURNAL Submitted (26-JUN-1997) Animal Breeding and Genetics, Justus-Liebig-University, Ludwigstr. 21B, Giessen 35390, Germany
 COMMENT PROVISIONAL [REFSEQ](#): This record has not yet been subject to final NCBI review. The reference sequence was derived from [AF010406](#).
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 /db_xref="taxon:9940"

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QALFITIALGVYFTLLQASEYYEAPFTISDGVYGSTFFVATGFHGLHVIIGSTFLIVC
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A H V E A P I A G S M V L A A I L L K L G G Y G M M R I T L L L N P I T D F M A Y P F I M L S L W G M I M T S S I C
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E R V H S R T M I L A R G L Q T L L P L M A A W W L L A S L T N L A L P P S I N L I G E L F V V M S T F S W S N I T
I I L M G L N M V I T A L Y S L Y M L I T T Q R G K H T H H I N N I L P S F T R E N A L M S L H M L P L L L L S L N
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F S M W Y M H S D P N I N Q F F K Y L L L F L I T M L I L V T A N N L F Q L F I G W E G V G I M S F L L I G W W Y G
R T D A N T A A L Q A I L Y N R I G D I G F I L A M A W F L I N L N T W D L Q Q I F M L N P N D S N L P L M G L I L
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M V Y Y V L K D K E V E I V F K F N G M G D W V I Y D T G D S G F F S E E A M G I A A L Y S Y G T W L V I V T G W S
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VEWIWGGFSVDKATLTRFFAFHFIFPFI AALAMVHLLFLHETGSNNPTGIPSDTDKI
PFHPYYTIKDILGAILLILMLLVLF TPDLLGDPDNYTPANPLNTPPHIKPEWYFLF
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[tRNA](#)

[tRNA](#)

[misc_feature](#)

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16441 ctgctgtatc thgtcathth atathctth thccccctt cccctthaat atththacc
16501 atthththaa cgctthcccc thagaththaa thathathth thcccgccctc aathactcaa
16561 thcathctcc aaccgagth aathathagc cacctgggtc acathacata cgcata
```

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